

Title	Journal	Link	Publication date	References	Top Paper
Protocol to detect and quantify tumor hypoxia in mice using photoacoustic imaging	STAR Protocols		2024	Tao, Dai, Laurie J., Rich, Mukund, Seshadri, Subhamoy, Dasgupta	Yes
Ultrasound and Microbubble-Induced Reduction of Functional Vasculature Depends on the Microbubble, Tumor Type and Time After Treatment	Ultrasound in Medicine and Biology		2025	Sofie, Snipstad, Caroline, Einen, Andrea Berge, Kastellet, Jessica Lage, Fernandez, Melina, Mühlenfordt, Anna, Kurbatskaya, Charlotte, Årseth, Sigrid, Berg, Astrid, Bjørkøy, Catharina de Lange, Davies	Yes
An injectable nanocomposite hydrogel with deep penetration ability for enhanced photothermal and chemotherapy	Journal of Colloid and Interface Science		2025	Yuru, Chen, Ziteng, Fan, Wenya, Xu, Ziyi, Zhu, Zhen, Tan, Yaqin, Hu, Irina, Kurzina, Nadezhda, Cherdyntseva, Wen Jing, Yang, Lianhui, Wang	Yes
In Vivo Ultrasound and Photoacoustic Imaging of Nanoparticle-Engineered T Cells and Post-Treatment Assessment to Guide Adoptive Cell Immunotherapy	ACS Nano		2025	Kelsey P., Kubelick, Jinhwan, Kim, Myeongsoo, Kim, Xinyue, Huang, Chenxiao, Wan, Geoyoon, Song, Younan, Xia, Stanislav Y., Emelianov	Yes
Heterogeneous tumor blood oxygenation dynamics during phototherapy deciphered with real-time label-free photoacoustic imaging	npj Acoustics		2025	Andrew, Langley, Allison, Sweeney, Ronak T., Shethia, Brooke, Bednarke, Faizah, Wulandana, Marvin, Xavierseivan, Srivalleesha, Mallidi	Yes
Theranostic Pthalocyanine and Naphthalocyanine Nanoparticles for Photoacoustic Imaging and Photothermal Therapy of Tumors	Nanotheranostics		2024	Yiran, Tian, Nicole, Carrillo-Malani, Kailin, Feng, Joann, Miller, Theresa M., Busch, Karthik M., Sundaram, Zhiliang, Cheng, Ahmad, Amirshaghghi, Andrew, Tsourkas	Yes
A simple and robust nanosystem for photoacoustic imaging of bladder cancer based on p531-targeted gold nanorods	Journal of Nanobiotechnology		2023	Massimo, Alfano, Elisa, Alchera, Angelina, Sacchi, Alessandro, Gori, Giacomo, Quilici, Irene, Locatelli, Chiara, Venegoni, Roberta, Luciano, Anna Maria, Gasparri, Barbara, Colombo, Giulia, Taiè, Jithin, Jose, Paolo, Armanetti, Luca, Menichetti, Giovanna, Musco, Andrea, Salonia, Angelo, Corti, Flavio, Curnis	Yes
Carbon dots-mediated synthesis of gold nanodendrites with extended absorption into NIR-II window for in vivo photothermal therapy	Journal of Nanobiotechnology		2023	Guoyong, Liu, Shuxian, Wang, Shumin, Wang, Rongrong, Wu, Hui, Li, Menglei, Zha, Jibin, Song, Yuxin, Yin, Kai, Li, Jing, Mu, Yu, Shi	Yes
Dual Nanozyme-Driven PtSn Bimetallic Nanoclusters for Metal-Enhanced Tumor Photothermal and Catalytic Therapy	ACS Nano		2023	Yanlin, Zhu, Ruoxi, Zhao, Lili, Feng, Chen, Wang, Shuming, Dong, Mikhail V., Zyuzin, Alexander, Timin, Narisa, Hu, Bin, Liu, Piaoping, Yang	Yes
Combination Therapy with a Bispecific Antibody Targeting the hERG1/β1 Integrin Complex and Gemcitabine in Pancreatic Ductal Adenocarcinoma	Cancers	http://www.ncbi.nlm.nih.gov/pubmed/37046674	2023	Tiziano, Lottini, Claudia, Duranti, Jessica, Iorio, Michele, Martinelli, Rossella, Colasurdo, Franco Nicolás, D'Alessandro, Matteo, Buonamico, Stefano, Coppola, Valentina, Devescovi, Vincenzo, La Vaccara, Alessandro, Coppola, Roberto, Coppola, Elena, Lastraioli, Annarosa, Arcangeli	Yes
Generation of liver metastases in a mouse model using ultrasound-guided intravenous injection	STAR Protocols	https://linkinghub.elsevier.com/retrieve/pii/S2666166723001211	2023	Amanda, Labora, Hailey, Lee, Charlotte, Chan, Erin, Tabornal, Thuc, Le, Khalid, Rashid, Evan, Abt, Takanobu, Yamao, Hanna, Mandl, Amanda, Creech, Alykhan, Premji, Luyi, Li, Jason, Link, Nanping, Wu, Calus, Radu, Timothy, Donahue	Yes
Assessment of Transarterial Chemoembolization Using Super-resolution Ultrasound Imaging and a Rat Model of Hepatocellular Carcinoma	Ultrasound in Medicine & Biology	https://doi.org/10.1016/j.ultrasmedbio.2023.01.021	2023	Katherine G. Brown, Junjie, Li, Ryan, Margolis, Brian, Trinh, John R, Eisenbrey, Kenneth, Hoyt	Yes
Early diagnosis of bladder cancer by photoacoustic imaging of tumor-targeted gold nanorods	Photoacoustics	https://www.sciencedirect.com/science/article/pii/S2213597922000659?via%3Dihub	2022	Elisa, Alchera, Matteo, Monieri, Mirko, Maturi, Irene, Locatelli, Erica, Locatelli, Silvia, Tortorella, Angelina, Sacci, Angelo, Corti, Manuela, Nebuloni, Roberta, Luciano, Filippo, Pederzoli, Francesco, Montorsi, Andrea, Salonia, Sandra, Meyer, Jithin, Jose, Pierangelo, Giustetto, Mauro Comes, Franchina, Flavio, Curnis, Massimo, Alfano	Yes
Magnetic black phosphorus microbubbles for targeted tumor theranostics	Nanophotonics	https://www.degruyter.com/document/doi/10.1515/nanoph-2021-0085/html	2021	Yao, Zhu, Yingying, Liu, Zhongjian, Xie, Tianzhen, He, Lili, Su, Fengjuan, Guo, Gulzira, Arkin, Xiaoshu, Lai, Jinfeng, Xu, Han, Zhang	Yes
Morphological, functional, and molecular assessment of breast cancer bone metastases by experimental ultrasound techniques compared with magnetic resonance imaging and histological analysis	Bone	https://www.sciencedirect.com/science/article/pii/S8756328220306098?via%3Dihub#...	2021	Henrik, Heinen, Lisa, Seyler, Vanessa, Popp, Konstantin, Hellwig, Alina, Bozec, Michael, Uder, Stephan, Ellmann, Tobias, Bäuerle	Yes
Cysteine depletion induces pancreatic tumor ferroptosis in mice	Science		2020	Michael A., Badgley, Daniel M., Kremer, H., Carlo Maurer, Kathleen E., DelGiorno, Ho Joon, Lee, Vinee, Purohit, Irina R., Sagalovskiy, Alice, Ma, Jonathan, Kapilian, Christina E.M., Firl, Amanda R., Decker, Steve A., Sastra, Carmine F., Palermo, Leonardo R., Andrade, Peter, Sajjakulnukit, Li, Zhang, Zachary P., Tolstyka, Tai, Hirschhorn, Candice, Lamb, Tong, Liu, Wei, Gu, E., Scott Seeley, Everett, Stone, George, Georgioui, Uri, Manor, Alina, Iuga, Geoffrey M., Wahl, Brent R., Stockwell, Costas A., Lysiotis, Kenneth P., Olive	Yes
Contrast-Enhanced Multispectral Photoacoustic Imaging for Irregular Hepatectomy Navigation: A Pilot Study	ACS Biomaterials Science & Engineering	https://pubs.acs.org/doi/10.1021/acsbomaterials.0c00921	2020	Yueming, Zhang, Jing, Lv, Pingguo, Liu, Xingyang, Zhao, Kang, Chen, Qiaolin, Li, Liming, Nie, Chihua, Fang	Yes
Tetrazine-Derived Near-Infrared Dye as a Facile Reagent for Developing Targeted Photoacoustic Imaging Agents	Molecular Pharmaceutics		2020	Samantha, Silkboer, Zoya, Naperstkov, Nancy, Janzen, Amber, Faraday, Yohannes, Soenjaaya, Johann, Le Floch, Salma, Al-Karmi, Rowan, Swann, Kevin, Wyszatko, Christine E. M., Demore, Stuart, Foster, John F., Valliant	Yes
Quantification of Murine Pancreatic Tumors by High-Resolution Ultrasound	Methods in Molecular Biology	http://link.springer.com/10.1007/978-1-62703-287-2	2013	Stephen A., Sastra, Kenneth P., Olive	Yes
Spectral Signatures in the Different Layers of the Human Eyelid by Photoacoustic Imaging	Lasers in Surgery and Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/lsm.23148	2020	Ulf, Dahlstrand, Rafi, Sheikh, Johanna, Berggren, Jenny, Hult, John, Albinsson, Magnus, Cinthio, Malin, Malmström	Yes
Indocyanine Green I Aggregates in Polymersomes for Near-Infrared Photoacoustic Imaging	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsaami.9b14519	2019	Behzad, Changalvaie, Sangheon, Han, Ehsan, Moaseri, Federica, Scaletti, Lauren, Truong, Rosalie, Caplan, Alice, Cao, Richard, Bouchard, Thomas M., Truskett, Konstantin V., Sokolov, Keith P., Johnston	Yes
Label-free Visualization of Early Cancer Hepatic Micrometastasis and Intraoperative Image-guided Surgery by Photoacoustic Imaging	Journal of Nuclear Medicine	http://jnmsnmjournals.org/lookup/doi/10.2967/jnumed.119.233155	2019	Qian, Yu, Shanshan, Huang, Zhiyou, Wu, Jjadi, Zheng, Xiaoyuan, Chen, Liming, Nie	Yes
Development of a Human Photoacoustic Imaging Reporter Gene Using the Clinical Dye Indocyanine Green	Radiology: Imaging Cancer	http://pubs.rsna.org/doi/10.1148/rycan.2019190035	2019	Nivin N., Nystrom, Lawrence C.M., Yip, Jeffrey J.L., Carson, Timothy J., Scholl, John A., Ronald	Yes
Evaluation of ductal carcinoma in situ grade via triple-modal molecular imaging of B7-H3 expression	npj Breast Cancer	http://dx.doi.org/10.1038/s41523-020-0158-y	2020	Sunitha, Bachawal, Gregory R., Bean, Gregor, Krings, Katherine E., Wilson	Yes
Assessment of Metastatic and Reactive Sentinel Lymph Nodes with B7-H3-Targeted Ultrasound Molecular Imaging: A Longitudinal Study in Mouse Models	Molecular Imaging and Biology	http://link.springer.com/10.1007/s11307-020-01478-9	2020	Fengyang, Zheng, Pan, Li, Sunitha V., Bachawal, Huajun, Wang, Chaolun, Li, Wei, Yuan, Beijian, Huang, Ramasamy, Paulmurugan	Yes
Photoacoustic Imaging Quantifies Drug Release from Nanocarriers via Redox Chemistry of Dye-Labeled Cargo	Angewandte Chemie International Edition	https://onlinelibrary.wiley.com/doi/abs/10.1002/anie.201914120	2020	Ananthkrishnan Soundaram, Jeevarathinam, Jeanne E., Lemaster, Fang, Chen, Eric, Zhao, Jesse V., Jøkerst	Yes
Noninvasive monitoring of liver metastasis development via combined multispectral photoacoustic imaging and fluorescence diffuse optical tomography	International Journal of Biological Sciences	http://www.ijbs.com/v16p1616.htm	2020	Jonathan, Lavaud, Maxime, Henry, Pascal, Gayet, Arnold, Fertin, Julien, Voltaire, Yves, Usson, Jean-Luc, Coll, Véronique, Jossierand	Yes
Effect of increasing liver blood flow on nanodrug clearance by the liver for enhanced antitumor therapy	Biomaterials Science	http://xlink.rsc.org/DOI=C8BM01371C	2019	Yongjing, Li, Jiaxun, Wan, Fang, Wang, Jia, Guo, Changchun, Wang	Yes
Serological biomarkers associate ultrasound characteristics of steatohepatitis in mice with liver cancer	Nutrition and Metabolism		2018	Guozhen, Cui, Robert C., Martin, Xingkai, Liu, Qianqian, Zheng, Harshul, Pandit, Ping, Zhang, Wei, Li, Yan, Li	Yes
Experimental imaging in orthotopic renal cell carcinoma xenograft models: comparative evaluation of high-resolution 3D ultrasonography, in-vivo micro-CT and 9.4T MRI	Scientific Reports		2017	Johannes, Linxweiler, Christina, Körbel, Andreas, Müller, Eva, Jünger, Roman, Blaheta, Joana, Heinzelmann, Michael, Stöckle, Kerstin, Junker, Michael D., Menger, Matthias, Saar	Yes

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Intraoperative Resection Guidance with Photoacoustic and Fluorescence Molecular Imaging Using an Anti-B7-H3 Antibody-Indocyanine Green Dual Contrast Agent	Clinical Cancer Research	http://doi.org/10.1158/1078-0432.CCR-18-0417	2018	Katherine E., Wilson, Sunitha V., Bachawal, Juergen K., Willmann	Yes
Spectroscopic photoacoustic molecular imaging of breast cancer using a B7-H3-targeted ICG contrast agent	Theranostics		2017	Katherine E., Wilson, Sunitha V., Bachawal, Lotfi, Abou-Elkacem, Kristen, Jensen, Steven, Mächtaeler, Lu, Tian, Jürgen K., Willmann	Yes
Exploration of melanoma metastases in mice brains using endogenous contrast photoacoustic imaging	International Journal of Pharmaceutics	http://dx.doi.org/10.1016/j.ijpharm.2017.08.104	2017	Jonathan, Lavaud, Maxime, Henry, Jean Luc, Coll, Veronique, Josseland	Yes
Assessment of murine colorectal cancer by micro-ultrasound using three dimensional reconstruction and non-linear contrast imaging	Molecular Therapy – Methods & Clinical Development	http://www.nature.com/articles/mtm201670	2016	Jessica L, Freeling, Khosrow, Rezvani	Yes
High Resolution Ultrasound and Photoacoustic Imaging of Orthotopic Lung Cancer in Mice: New Perspectives for Onco-Pharmacology	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0153532	2016	Florian, Raes, Julien, Sobilo, Marilyne, Le Mée, Stéphanie, Réfif, Sharuja, Natkunarajah, Stéphanie, Lerondel, Alain, Le Pape	Yes
Functional Flow Patterns and Static Blood Pooling in Tumors Revealed by Combined Contrast-Enhanced Ultrasound and Photoacoustic Imaging	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/27325651	2016	Avinoam, Bar-Zion, Melissa, Yin, Dan, Adam, F Stuart, Foster	Yes
High-Frequency Ultrasound-Guided Injection for the Generation of a Novel Orthotopic Mouse Model of Human Thyroid Carcinoma	Thyroid	http://online.liebertpub.com/doi/10.1089/thy.2015.0511	2016	Adelaide, Greco, Sandra, Albanese, Luigi, Auletta, Peppino, Mirabelli, Antonella, Zannetti, Crescenzo, D'Alterio, Genaro, Di Maro, Francesca Maria, Orlandella, Giuliana, Salvatore, Andrea, Soricelli, Marco, Salvatore	Yes
Co-option of Liver Vessels and Not Sprouting Angiogenesis Drives Acquired Sorafenib Resistance in Hepatocellular Carcinoma	Journal of the National Cancer Institute	http://jnci.oxfordjournals.org/lookup/doi/10.1093/jnci/djw030	2016	Elizabeth A., Kuczynski, Melissa, Yin, Avinoam, Bar-Zion, Christina R., Lee, Henriett, Butz, Shan, Man, Frances, Daley, Peter B., Vermeulen, George M., Yousef, F, Stuart, Foster, Andrew R., Reynolds, Robert S., Kerbel	Yes
Ultrasound biomicroscopy permits in vivo characterization of zebrafish liver tumors	Nature Methods	http://www.nature.com/dofinder/10.1038/nmeth1059	2007	Wolfgram, Goessling, Trista E, North, Leonard I, Zon	Yes
Intraluminal gel ultrasound and eco-color doppler: new tools for the study of colorectal cancer in mice.	In vivo (Athens, Greece)	http://www.ncbi.nlm.nih.gov/pubmed/23812213	2013	Antonio, Barbieri, Maria Luisa, Barretta, Domenica, Rea, Carmine, Picone, Olimpia, Fabozzi, Giuseppe, Palma, Luciano, Antonio, Alessandro, Federico, Sabrina, Bimonte, Francesca, Setola, Elisabetta, De Lutio Di Castelguidone, Maria, Castellano, Adolfo Gallipoli, D'Errico, Michele, Caraglia, Claudio, Arra	Yes
Three-dimensional high-frequency ultrasound imaging for longitudinal evaluation of liver metastases in preclinical models.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/15958568	2005	Kevin C, Graham, Lauren a, Wirtzfeld, Lisa T, MacKenzie, Carl O, Postenka, Alan C, Groom, Ian C, MacDonald, Aaron, Fenster, James C, Laceyfield, Ann F, Chambers	Yes
Assessment and Monitoring Tumor Vascularity With Contrast-Enhanced Ultrasound Maximum Intensity Persistence Imaging	Investigative Radiology		2011	Marybeth A, Pysz, Kira, Foygel, Cedric M, Panje, Andrew, Needles, Lu, Tian	Yes
Volume measurement variability in three-dimensional high-frequency ultrasound images of murine liver metastases	Physics in Medicine and Biology	http://www.ncbi.nlm.nih.gov/pubmed/16675858	2006	L a, Wirtzfeld, K C, Graham, a C, Groom, I C, MacDonald, a F, Chambers, A, Fenster, J C, Laceyfield	Yes
Anti-VEGF therapy reduces intestinal inflammation in Endoglin heterozygous mice subjected to experimental colitis	Angiogenesis	http://www.ncbi.nlm.nih.gov/pubmed/24510304	2014	Daniela S, Ardelean, Melissa, Yin, Mirjana, Jerkic, Madonna, Peter, Bo, Ngan, Robert S, Kerbel, F Stuart, Foster, Michelle, Letarte	Yes
Antitumor Activity of the Ethanolic Extract from Syzygium aromaticum in Colorectal Cancer Xenograft Mice	Pharmaceutics		2026	Thunyatorn, Yimsoo, Weerakit, Taychaworaditsakul, Hathachanok, Chuntakaruk, Worapapar, Treessuppharat, Sumet, Kongkiatpaiboon, Apipu, Ariyachayut, Sunee, Chansakaow, Teera, Chewonarin, Parirat, Khonsung, Seewaboon, Sireeratawong	No
Autophagy Plays a Suppressive Role in Bladder Tumor Formation in an Orthotopic Mouse Model and Bladder Cancer Patient Specimens	Kaohsiung Journal of Medical Sciences		2026	Wan Ting, Kuo, Chin Chen, Pan, Yi Wen, Liu, Nan Haw, Chow, Hong Lin, Chen, Shao Ying, Wu, Sheng Hui, Lan, Chih Peng, Chang, Hsiao Sheng, Liu	No
In situ self-assembled cell reservoir hydrogel for maneuvering multistage radioimmunotherapy	Nature Communications	https://www.nature.com/articles/s41467-026-68490-5	2026	Yue, Chen, Qinyi, Chen, Yuanuan, Ma, Cheng, Zhang, Jie, Xu, Kejing, Li, Yajie, Sun, Xinge, Su, Mingguang, Wei, Rui, Bao, Tong, Ding, Longguang, Tang, Wenyi, Yu, Shenghong, Ju, Wenpei, Fan	No
Theranostic nanoplatfor for high-performance dual-modal magnetic resonance imaging-guided therapy of orthotopic hepatocellular carcinoma	BMEMat		2026	Jiayin, Lin, Wenbo, Chen, Xiuqi, Hou, Kai, Wang, Fan, Lu, Ruling, Zhang, Zhong, Cao, Jian, Zheng	No
Crotonate suppresses breast cancer metastasis and promotes immunotherapy response by inducing ACS2-mediated EZH2-K348 crotonylation	Sci. Adv	https://www.science.org	2026	Bo, Liu, Xinwei, Duan, Ge, Wang, Youzhi, Tang, Kunhao, Zhou, Jing, Zhang, Yu, Yu, Hongquan, Zhang	No
L19-Conjugated Gold Nanoparticles for the Specific Targeting of EDB-Containing Fibronectin in Neuroblastoma	Pharmaceutics		2025	Chiara, Barisione, Silvia, Ortona, Veronica, Bensa, Caterina, Ivaldo, Eleonora, Ciampi, Simonetta, Astigiano, Michele, Cilli, Luciano, Zardi, Mirco, Ponzone, Domenico, Palombo, Giovanni, Pratesi, Pier Francesco, Ferrari, Fabio, Pastorino	No
Application of group A streptococcal collagen-like protein 1-expressing Lactococcus as a novel immunotherapeutic against pancreatic ductal adenocarcinoma	Scientific Reports	https://www.nature.com/articles/s41598-026-36657-1	2026	Emily A., Godfrey, Soo Jeon, Choi, Michael, Sestito, Tracy W., Liu, Slawomir, Lukomski, Brian A., Boone	No
Shifting the paradigm of PSMA delivery in prostate cancer for internal radiotherapy: An innovative ultrasound-mediated approach	Biomedicine & Pharmacotherapy	https://linkinghub.elsevier.com/retrieve/pii/S0753332226001071	2026	Sophie, Tran, Anne-Laure, Grindel, Dimitri, Kereselidze, Laurene, Jourdain, Caroline, Denis, Benoit, Jégo, Soizic, Martin-Aubert, Jean-Luc, Gennissou, Jean-Michel, Daugas, Anthony, Novell, Charles, Trullet	No
Photothermal Therapy Combined with Chemotherapy and Anti-Inflammation Therapy Weakens the Immunosuppression of Cervical Cancer	Pharmaceutics		2025	Xiaoqing, Yang, Jie, Fu, Yi, Xu, Dejian, Li, Hanru, Ren	No
Transcription factor switching drives subtype-specific pancreatic cancer	Nature Genetics		2025	Shalini V., Rao, Lisa, Young, Danya, Cheeseman, Sean, Flynn, Niklas, Krebs, Dominique Laurent, Couturier, Stephanie, Mack, Rebecca, Brais, Jill, Temple, Amy, Smith, Evangelia, Papachristou, Catarina, Pelicano, Chandra Sekhar Reddy, Chilamakuri, Krzysztof, Herka, Hideo, Baba, Luay, Farah, Phyllis F., Cheung, Jens, Siveke, Stéphane, Guerrier, Luca, Insolia, Michael, Gill, Emily, Archer Goode, Steven, Kupczak, Yi, Cheng, Giacomo, Borsari, Duncan, Jodrell, Clive, D'Santos, Alasdair, Russell, Barbara T., Grünwald, Eva, Serrao, Igor, Chernukhin, Jason S., Carroll	No
Engineered cyclic peptide targeting ITGA5 disrupts tumor-stroma interaction to overcome desmoplasia and resistance in pancreatic ductal adenocarcinoma	Acta Pharmaceutica Sinica B		2025	Deby Fajar, Mardhian, Kunal P., Pednekar, Ahmed G., Hemdan, Praneeth Reddy, Kunitny, Saadia A., Karim, Sabine, de Winter, Josbert M., Metselaar, Jennifer P., Morton, Jai, Prakash	No
Assessing Vessel Reconstruction in Ultrasound Localization Microscopy by Maximum Likelihood Estimation of a Zero-Inflated Poisson Model	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control		2020	Stefanie, Dencks, Marion, Piepenbrock, Georg, Schmitz	No
Fe-doped phase-transition nanodroplets for synergistic photothermal and starvation-enhanced ferroptosis in cancer therapy	Journal of nanobiotechnology		2025	Yuhang, Tian, Xiang, He, Yanchi, Yuan, Chunyue, Wang, Mengchi, Zhang, Hui, Jiang, Huajing, Yang, Kuikun, Yang, Hui, Jing	No
Combination LIGHT overexpression and checkpoint blockade disrupts the tumor immune environment impacting colorectal liver metastases	Sci. Adv	https://www.science.org	2025	Bridget P, Keenan, Guilin, Qiao, Nicholas, Kunda, Lyonell, Kone, Sophia M, Guldberg, Letizia, Todeschini, Prabhakaran, Kumar, Tommaso, Pollini, Sophia, Hernandez, Jianzhong, Qin, Lawrence, Fong, Matthew H, Spitzer, Bellur S, Prabhakar, Ajay V, Maker	No
HSF1-DBCL1 axis drives prostate cancer progression by activating a metastatic transcriptional program	Experimental and Molecular Medicine		2025	Sue Jin, Moon, Hwa Jin, Kim, Joungh Eun, Lim, Sanghoon, Hong, Hong Hee, Won, Byong Chang, Jeong, Jeong Hoon, Kim	No

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Synthesis and Photophysical Characterization of Axially Functionalized Silicon(IV) Naphthalocyanines with Phototherapeutic Potential	ChemistryEurope		2025	Pedro M. R., Santos, Benjamin, Proto, Debalina, Mondal, Alicia, Voge, Christine, Hoskin, Hanyi, Weng, Inés R. M., Santos, Kevin, Stamplescoskie, João P. C., Tomé, Juan, Chen, Nahyun, Kwon, Gang, Zheng	No
Photoactivated Gas-Generating Nanocontrast Agents for Long-Term Ultrasonic Imaging-Guided Combined Therapy of Tumors	ACS Nano		2024	Binbin, Chu, Zhiming, Chen, Xiaofeng, Wu, Haoliang, Shi, Xiangbowen, Jin, Bin, Song, Mingyue, Cui, Yadan, Zhao, Yingying, Zhao, Yao, He, Houyu, Wang, Fenglin, Dong	No
Docetaxel-Encapsulated Catalytic Pt/Au Nanotubes for Synergistic Chemo-Photothermal Therapy of Triple-Negative Breast Cancer	Advanced Healthcare Materials		2024	Haiyan, Yang, Qian, Zhang, Liwei, Dai, Yazi, Wang, Guangrong, Zheng, Xinyue, Zhang, Di, Zheng, Xiaojuan, Ji, Yutao, Sang, Zhihong, Nie	No
PLGA Nanopatform for the Hypoxic Tumor Delivery: Folate Targeting, Therapy, and Ultrasound/Photoacoustic Imaging	ACS Applied Bio Materials		2024	Abhishesh Kumar, Mehata, Jyoti, Bonlawar, Rupen, Tamang, Ankit Kumar, Malik, Aseem, Setia, Shailendra, Kumar, Ranadheer Reddy, Challa, Bhaskar, Vallamkonda, Biplob, Koch, Madaswamy S., Muthu	No
Inhomogeneous Au2S for Photoacoustic Imaging and Photodynamic Tumor Therapy Based on Different Forms of Energy Dissipation	ACS Nano		2024	Ling, Chang, Chao, Liu, Zhaokui, Jin, Kun, Li, Xiang, Ling	No
Photoactivated Formation of an Extravascular Dynamic Hydrogel as an Intelligent Blood Flow Regulator to Reprogram the Immunogenic Landscape	Nano Letters		2024	Yue, Chen, Ajun, Xiang, Yuanyuan, Ma, Zhengzheng, Qian, Zerui, Ma, Liming, Zhou, Jue, Wang, Hao, Li, Mei, Zhou, Zhenyu, Hou, Xin, Liu, Can, Zhang, Longguang, Tang, Shenghong, Ju, Wenpei, Fan	No
Redox-Sensitive Poly(lactide-co-glycolic acid) Nanoparticles of Palbociclib: Development, Ultrasound/Photoacoustic Imaging, and Smart Breast Cancer Therapy	Molecular Pharmaceutics		2024	Piyush, Dhamija, Abhishesh Kumar, Mehata, Rupen, Tamang, Jyoti, Bonlawar, None, Vaishali, Ankit Kumar, Malik, Aseem, Setia, Shailendra, Kumar, Ranadheer Reddy, Challa, Biplob, Koch, Madaswamy S., Muthu	No
In Vivo Combined Photoacoustic Imaging and Photothermal Treatment of HPV-Negative Head and Neck Carcinoma with NIR-Responsive Non-Persistent Plasmon Nano-Architectures	Advanced Therapeutics		2024	Valentina, Frusca, Chiara, Cavallini, Agata, Zamborlin, Giuliana, Drava, Virginia, Barone, Lisa, Gherardini, Mario, Chiariello, Paolo, Armanetti, Maria Laura, Ermirni, Luca, Menichetti, Valerio, Voliani	No
Dual-Functional Nanodroplet for Tumor Vasculature Ultrasound Imaging and Tumor Immunosuppressive Microenvironment Remodeling	Advanced Healthcare Materials		2024	Yuan, Liang, Siyan, Zhang, Dingyi, Wang, Panpan, Ji, Bin, Zhang, Pengying, Wu, Lantian, Wang, Zhaoyou, Liu, Jia, Wang, Yunyou, Duan, Lijun, Yuan	No
Influence of Phase Change Droplet Activation and Microbubble Cavitation on the Microenvironment of Hepatocellular Carcinoma	Ultrasound in Medicine and Biology		2024	Hebah A., Falatah, Quezia, Lacerda, Corinne E., Wessner, Standley, Lo, Margaret A., Wheatley, Ji Bin, Liu, John R., Eisenbrey	No
Cancer stem cells release interleukin-33 within large oncosomes to promote immunosuppressive differentiation of macrophage precursors	Immunity		2024	Hannah L., Erickson, Sachiko, Taniguchi, Anish, Raman, Justin J., Leitenberger, Sanjay V., Malhotra, Naoki, Oshimori	No
SPPI is required for maintaining mesenchymal cell fate in pancreatic cancer	Nature		2025	Huafu, Li, Linxiang, Lan, Hengxing, Chen, May, Zaw Thin, Hari, Ps, Jessica K., Nelson, Ian M., Evans, E. Josue, Ruiz, Rongjie, Cheng, Li, Tran, Mark, Allen, Jian, Ma, Tingzhuang, Yi, Chunming, Wang, Yulong, He, Naomi, Guppy, Anguraj, Sadanandam, Shao Zhen, Lin, Changhua, Zhang, Axel, Behrens	No
Intraperitoneal CAR T-cell therapy for peritoneal carcinomatosis from gastroesophageal cancer: preclinical investigations to a phase I clinical trial (NCT0623396)	Journal for immunotherapy of cancer		2025	David, Restle, Alfredo, Amador-Molina, Kyohei, Misawa, Srijita, Banerjee, Geoffrey, Ku, Prasad S., Adusumilli	No
SMAD4 induces opposite effects on metastatic growth from pancreatic tumors depending on the organ of residence.	Nature cancer	http://www.ncbi.nlm.nih.gov/pubmed/40999053	2025	Kaloyan M, Tsanov, Francisco M, Barriga, Yu-Jui, Ho, Direna, Alonso-Curbelo, Geulah, Livshits, Sha, Tian, Richard P, Koche, Timour, Baslan, Janelle, Simon, Alexandra N, Wuest, José, Reyes, Jin, Park, Wei, Luan, John E, Wilkinson, Umesh, Bhanot, Jordana, Ray-Kirton, Ignas, Masilionis, Nevenka, Dimitrova, Christine A, Iacobuzio-Donahue, Ronan, Chaligné, Dana, Peter, Joan, Massagué, Scott W, Lowe	No
An injury-associated lobular microniche is associated with the classical tumor cell phenotype in pancreatic cancer	Nature Communications	https://www.nature.com/articles/41467-025-63864-7	2025	Sara, Söderqvist, Annika, Viljamaa, Natalie, Geyer, Anna-Lena, Keller, Kseniya, Ruksha, Carina, Strell, Neda, Hekmati, Alexandru, Niculae, Jennie, Engstrand, Ernesto, Sparrelli, Caroline, Salmén, Tânia D. F., Costa, Miao, Zhao, Staffan, Strömblad, Argyro, Zacharoul, Poya, Ghorbani, Sara, Harzizi, Youssa, Hamidi, Olga, Khorosjutina, Stefina, Milanova, Bernhard, Schmierer, Béla, Bozóky, Carlos, Fernández Moro, Marco, Gerling	No
Carrier-free nanoparticles based on natural products trigger dual "synergy and attenuation" for enhanced phototherapy of liver cancer	Materials Today Bio		2025	Xiongqin, Wang, Kunhui, Sun, Junlin, Dong, Yanli, Ge, Hafan, Liu, Xinyue, Jin, Xiao, Pei, Ping, Wang, Jianbing, Jiang, Tiejie, Wang, Xuelei, Hu, Shuguang, Yuan, Bing, Wang, Xie an, Yu	No
Multiscale molecular engineering co-modulated dual-mode ratiometric probe for monitoring tumor-associated macrophage repolarization	Biomaterials	https://linkinghub.elsevier.com/retrieve/pii/S0142961225006052	2026	Xinyue, Li, Ning, Li, Zhiang, Duan, Xuan, Zhang, Baodui, Wang	No
Cu2(OH)PO4@PAA Nanoparticles for Highly Effective Combination of Chemodynamic, Photodynamic and Photothermal Therapies Against Bladder Cancer	International Journal of Nanomedicine		2025	Yadong, Liu, Huiyan, Lv, Yaodong, Chen, Shazhou, Ye, Zhong, Zheng, Lei, Chen, Zejun, Yan, Xinyi, Li	No
Comparative analysis of ALA mediated sonodynamic therapy considering tumor size, light combination and ultrasound delivery in murine cutaneous melanoma	Scientific Reports		2025	Erika Toneth Ponce, Ayala, Iago Silva e., Carvalho, Camila Aparecida, Antunes, Aisha, Mahmood, Michelle Barreto, Requena, Fernanda, Alves, Layla, Pires, Vladislav, Yakovlev, Vanderlei Salvador, Bagnato, Sebastião, Pratavieira	No
Calcitriol and Tadalafil Modulate Th17 Differentiation Through Osteopontin Receptors: Age-Dependent Insights from a Mouse Breast Cancer Model	ImmunoTargets and Therapy		2025	Aleksandra, Strzykalska-Augustyniak, Mateusz, Psurski, Honorata, Zachary, Beata, Filip-Psurska, Dagmara, Klopowska, Magdalena, Milczarek, Marta, Switalska, Martyna, Stachowicz-Suhs, Natalia, Labędz, Aleksandra, Ziemblicka, Michalina, Gos, Joanna, Wietrzyk	No
Novel self-assembled metal-phenolic nanoplatforms for triple-negative breast cancer treatment: photothermal chemotherapy/ferroptosis synergy inducing immunogenic cell death	RSC Advances		2025	Bohao, Peng, Ruoyao, Wang, Tian, Li, Xiaoping, Yu, Zhiyu, Wang, Xiyang, Zhang, Yuanfeng, Tan, Long, Cheng, Lu, Yang	No
Cancer Cell Membrane-Wrapped Nanoparticles for Photothermal Therapy and Photoacoustic Imaging of Triple-Negative Breast Cancer	ACS Applied Nano Materials	https://pubs.acs.org/doi/10.1021/acsnm.5c03543	2025	Sara B., Abeelneen, Grace M., Azevedo, Kejian, Li, Avery M., Wolverson, Mackenzie A., Scully, George C., Kramarenko, Emily S., Day	No
Epigenetic modulation with nanosatellite triggers tumoricidal immunity for hepatocellular carcinoma treatment	Nature Communications	https://www.nature.com/articles/41467-025-61974-w	2025	Ying, Qu, Chen, Chen, Felfei, Sun, Shijia, Liu, Guozhi, Zhao, Zhongxi, Zhao, Chang, Liu, Xinyi, Jiang, Tao, Li	No
Xianglian Pill combined with 5-fluorouracil enhances antitumor activity and reduces gastrointestinal toxicity in gastric cancer by regulating the p38 MAPK/NF-κB signaling pathway	Journal of Ethnopharmacology		2024	Lei, Yu, Jun yuan, Qin, Chen, Sun, Fu, Peng, Yan, Chen, Su Juan, Wang, Jun, Tang, Zi Wei, Lin, Liu Jun, Wu, Jing, Li, Xiao yu, Cao, Wen qing, Li, Xiao fang, Xie, Cheng, Peng	No
From breast cancer cell homing to the onset of early bone metastasis: The role of bone (re)modeling in early lesion formation	Sci. Adv	https://www.science.org	2024	Sarah A E, Young, Anna-Dorothea, Heller, Daniela S, Garske, Maximilian, Rummel, Victoria, Qian, Agnes, Elinghaus, Georg N, Duda, Bettina M, Willie, Anika, Grüneboom, Amaia, Ciptria	No
L-DOS47 Elevates Pancreatic Cancer Tumor pH and Enhances Response to Immunotherapy	Biomedicines		2024	Bruna Victorasso, Jardim-Perassi, Pietro, Irrera, Oluwaseyi E., Oluwatola, Dominique, Abrahams, Veronica C., Estrella, Bryce, Ordway, Samantha R., Byrne, Andrew A., Ojeda, Christopher J., Whelan, Jongphil, Kim, Matthew S., Beatty, Sultan, Damgaci-Erturk, Dario Livio, Longo, Kim J., Gaspar, Gabrielle M., Siegers, Barbara A., Centeno, Justin Y.C., Lau, Shari A., Pilon-Thomas, Arig, Ibrahim-Hashim, Robert J., Gillies	No
Maleimide-Thiol Linkages Alter the Biodistribution of SN38 Therapeutic Microbubbles Compared to Biotin-Avidin While Preserving Parity in Tumoral Drug Delivery	Pharmaceutics		2024	Nicola, Ingram, Radwa H., Abou-Saleh, Amanda D., Race, Paul M., Loadman, Richard J., Bushby, Stephen D., Evans, P. Louise, Coletta	No

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Nitric oxide nano-reactor DNMF/PLGA enables tumor vascular microenvironment and chemo-hyperthermia synergistic therapy	Journal of Nanobiotechnology		2024	Ruoyao, Wang, Long, Cheng, Lingyun, He, Chier, Du, Haiyang, Wang, Bohao, Peng, Xiaoping, Yu, Weiwei, Liu, Wenpei, Luo, Haitao, Ran, Lu, Yang	No
Ultrasound enhanced siRNA delivery using cationic liposome-microbubble complexes for the treatment of squamous cell carcinoma	Nanotheranostics		2024	Bin, Qin, Xucai, Chen, Jianhui, Zhu, Jonathan, Kopeček, Brandon, Helfield, Francois, Yu, Jissy, Cyriac, Linda, Lavery, Jennifer R., Grandis, Fiordeliza S., Villanueva	No
Super-Resolution Ultrasound Imaging for Monitoring the Therapeutic Efficacy of a Vascular Disrupting Agent in an Animal Model of Breast Cancer	Journal of Ultrasound in Medicine		2024	Kenneth, Hoyt	No
A Preliminary Investigation of Radiation-Sensitive Ultrasound Contrast Agents for Photon Dosimetry	Pharmaceuticals		2024	Bram, Carlier, Sophie V., Heymans, Sjoerd, Nooijens, Gonzalo, Collado-Lara, Yosra, Toumja, Laurence, Delombaerde, Gato, Paradossi, Jan, D'hooge, Koen, Van Den Abeele, Edmond, Sterpin, Uwe, Himmelmreich	No
Riboflavin-targeted polymers improve tolerance of paclitaxel while maintaining therapeutic efficacy	Nanomedicine: Nanotechnology, Biology, and Medicine		2024	Milita, Darguzyte, Elena, Rama, Anne, Rix, Jasmin, Baier, Juliana, Hermann, Sima, Rezvantabab, Mohammad, Khedri, Joachim, Jankowski, Fabian, Kiessling	No
Novel strategies for enhanced fluorescence visualization of glioblastoma tumors based on HPMA copolymers conjugated with tumor targeting and/or cell-penetrating peptides	VIEW		2024	Eliška, Grosmanová, Robert, Pola, Marcela, Filipová, Maxime, Henry, Jean Luc, Coll, Tomáš, Etrych	No
Rhein-based Pickering emulsion for hepatocellular carcinoma: Shaping the metabolic signaling and immunactivation in transarterial chemoembolization	Aggregate		2024	Xiaoliu, Liang, Hui, Liu, Hu, Chen, Xuqi, Peng, Zhenjie, Li, Minglei, Teng, Yisheng, Peng, Jiwei, Li, Linyu, Ding, Jingsong, Mao, Chengchao, Chu, Hongwei, Cheng, Gang, Liu	No
Promising two-dimensional rhenium diselenide nanosheets: Facile Preparation, characterization, in vivo tumor photoacoustic imaging and photothermal therapy	Nano Today		2024	Yufeng, Yuan, Yiwan, Song, Jianchang, Hu, Sihao, Wu, Yiping, Wang, Xiaoying, Zhang, Jun, Song, Liwei, Liu, Feng, Rao, Shuwen, Zeng, Xiao, Peng, Junjie, Qu	No
Tumor promoting effect of spheroids in an orthotopic prostate cancer mouse model	Scientific Reports		2024	Julius Lars Daniel, Bastian, Philip, Zeuschner, Michael, Stöckle, Kerstin, Junker, Johannes, Linxweiler	No
Coiled-Coil Protein Hydrogels Engineered with Minimized Fiber Diameters for Sustained Release of Doxorubicin in Triple-Negative Breast Cancer	ACS Biomaterials Science and Engineering		2024	Dustin, Britton, Jakob, Legocki, Deven, Paul, Olga, Katsara, Orlando, Aristizabal, Neelam, Pandya, Orin, Mishkit, Yingxin, Xiao, Matias, Aristizabal, Neha, Rahman, Robert, Schneider, Youssef Z., Wadghiri, Jin Kim, Montclare	No
Ultrasound imaging guided targeted sonodynamic therapy enhanced by magnetophoretically controlled magnetic microbubbles	International Journal of Pharmaceutics		2024	Yao, Zhu, Gulzira, Arkin, Tianzhen, He, Fengjuan, Guo, Ling, Zhang, Yu, Wu, Paras N., Prasad, Zhongjian, Xie	No
A novel combined therapeutic strategy of Nano-FN-IR@Lip mediated photothermal therapy and stem cell inhibition for gastric cancer	Biomedicine and Pharmacotherapy		2024	Liping, Yang, Yan e., Du, Fangli, Liao, Tong, Huang, Yandong, Liu, Junzhao, Liu, Can, Wang, Zhi, Zhan, Yang, Cao, Zhigang, Wang, Weixian, Chen	No
Irradiation with Carbon Ions Effectively Counteracts Hypoxia-related Radioresistance in a Rat Prostate Carcinoma	International Journal of Radiation Oncology Biology Physics		2024	Christin, Glowa, Alina L., Bendinger, Rosemarie, Euler-Lange, Peter, Peschke, Stephan, Brons, Jürgen, Debus, Christian P., Karger	No
Identification and characterization of TM4SF1+ tumor self-seeded cells	Cell Reports		2024	Haotian, Yang, Haolu, Wang, Yaowu, He, Yang, Yang, Erik W., Thompson, Di, Xia, Leslie J., Burke, Lu, Cao, John D., Hooper, Michael S., Roberts, Darrell H.G., Crawford, Xiaowen, Liang	No
Toward Smart Ultrasound Image Augmentation to Advance Tumor Treatment Monitoring: Exploring the Potential of Diffusion Generative Model	Journal of Medical Devices		2024	Emmanuel, Yangue, Ashish, Ranjan, Yu, Feng, Chenang, Liu	No
Mitochondrial DNA-boosted dendritic cell-based nanovaccination triggers antitumor immunity in lung and pancreatic cancers	Cell Reports Medicine		2024	Lihuan, Shang, Xue, Jiang, Xinbao, Zhao, Xi, Huang, Xiaojuan, Wang, Xiangzhan, Kong, Mingkang, Yao, Shanping, Jiang, Ping Pui, Wong	No
Topographic modification of the extracellular matrix precedes the onset of bladder cancer	Matrix Biology Plus		2024	Chiara, Venegoni, Filippo, Pederzoli, Irene, Locatelli, Elisa, Alchera, Laura, Martinez-Vidal, Alessia, Di Coste, Marco, Bandini, Andrea, Necchi, Francesco, Montorsi, Andrea, Salonia, Marco, Moschini, Jithin, Jose, Federico, Scarfó, Roberta, Luciano, Massimo, Alfano	No
Mortalin promotes the evolution of androgen-independent prostate cancer through Wnt/β-catenin signaling pathway	Cancer Cell International		2024	Ying, Chang, Jinyuan, Sui, Qiang, Fu, Zhongqi, Lu, Zhengri, Piao, Tiefeng, Jin, Meihua, Zhang	No
Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunosuppression and immunotherapy resistance	Nature Cancer		2024	Tommaso, Scolaro, Marta, Manco, Mathieu, Pecqueux, Ricardo, Amorim, Rosa, Trotta, Heleen H., Van Acker, Matthias, Van Haele, Niranjan, Shirgaonkar, Stefan, Naulaerts, Jan, Daniluk, Fran, Prenen, Chiara, Varamo, Donatella, Ponti, Ginevra, Doglioni, Ana Margarida, Ferreira Campos, Juan, Fernandez Garcia, Silvia, Radenkovic, Pegah, Rouhi, Aleksandar, Beatovic, Ljwei, Wang, Yu, Wang, Amalia, Tzoumpa, Asier, Antoranz, Ara, Sargsian, Mario, Di Matteo, Emanuele, Berardi, Jermaine, Goveia, Bart, Ghesquière, Tania, Roskams, Stefaan, Soenen, Thomas, Voets, Bella, Manshian, Sarah Maria, Fendt, Peter, Carmeliet, Abhishek D., Garg, Ramanuj, Dasgupta, Baki, Topal, Massimiliano, Mazzone	No
Boosting the sonodynamic performance of CoBiMn-layered double hydroxide nanoparticles via tumor microenvironment regulation for ultrasound imaging-guided sonodynamic therapy	Journal of Nanobiotechnology		2024	Shuqing, Yang, Tingting, Hu, Gareth R., Williams, Yu, Yang, Susu, Zhang, Jiayi, Shen, Minjiang, Chen, Ruizheng, Liang, Lingchun, Lyu	No
APPLIED SCIENCES AND ENGINEERING Ultrasensitive and multiplexed tracking of single cells using whole-body PET/CT	Sci. Adv	https://www.science.org	2024	Hieu T M, Nguyen, Neeladrisingha, Das, Matthew, Ricks, Xiaoxu, Zhong, Eri, Takematsu, Yuting, Wang, Carlos, Ruvalcaba, Brahim, Mehadiji, Emilie, Roncali, Charles K F, Chan, Guillem, Praxt	No
Synthesis and biological evaluation of panitumumab-IRDye800 conjugate as a fluorescence imaging probe for EGFR-expressing cancers	MedChemComm		2014	Sibaprasad, Bhattacharyya, Nimit L., Patel, Ling, Wei, Lisa A., Riffle, Joseph D., Kalen, G. Craig, Hill, Paula M., Jacobs, Kurt R., Zinn, Eben, Rosenthal	No
Combined UTMD-Nanoplatfor for the Effective Delivery of Drugs to Treat Renal Cell Carcinoma	International Journal of Nanomedicine		2024	Ting, Dai, Qimeihui, Wang, Lingyu, Zhu, Qiang, Luo, Jiayu, Yang, Xia, Meng, Hui, Wang, Zhixia, Sun	No
Probiotics functionalized with a gallium-polyphenol network modulate the intratumor microbiota and promote anti-tumor immune responses in pancreatic cancer	Nature Communications		2024	Zi Yi, Han, Zhuang Jiong, Fu, Yu Zhang, Wang, Cheng, Zhang, Qi Wen, Chen, Jia Xin, An, Xian Zheng, Zhang	No
PEDE-Enriched Extracellular Vesicle for Vessel Normalization to Potentiate Immune Checkpoint Blockade Therapy	Biomaterials Research		2024	Sol, Shin, Chan Ho, Kim, Soyoung, Son, Jae Ah, Lee, Seunglee, Kwon, Dong Gil, You, Jungmi, Lee, Jeongyun, Kim, Dong Gyu, Jo, Hyeon, Ko, Jae Hyung, Park	No
In-Situ Grown Nanocrystal TiO2 on 2D Ti3C2 Nanosheets with Anti-Tumor Activity from Photo-Sonodynamic Treatment and Immunology	International Journal of Nanomedicine		2024	Hailing, Yu, Yongquan, Huang, Zhisheng, Nong, Xi, Lin, Kevin, Tang, Zeyu, Cai, Kaichen, Huang, Ting, Yu, Huimin, Lan, Qianqian, Zhang, Qiang, Wang, Lei, Yang, Jingchuan, Zhu, Lili, Wu, Hui, Luo	No
Pan-lysyl oxidase inhibition disrupts fibroinflammatory tumor stroma, rendering cholangiocarcinoma susceptible to chemotherapy	Hepatology Communications		2024	Paul R., Burchard, Luis I., Ruffolo, Nicholas A., Ullman, Benjamin S., Dale, Yatee A., Dave, Bailey K., Hilly, Jian, Ye, Mary, Georger, Rachel, Jewell, Christine, Miller, Luis, De Las Casas, Wolfgang, Jarolimek, Lara, Perryman, Matthew M., Byrne, Anthony, Loria, Chelsea, Marin, Mariana Chávez, Villa, Jen Jen, Yeh, Brian A., Belt, David C., Linehan, Roberto, Hernandez-Alejandro	No
Rosiglitazone and trametinib exhibit potent anti-tumor activity in a mouse model of muscle invasive bladder cancer	Nature Communications		2024	Sakina A., Plumber, Tiffany, Tate, Hikmat, Al-Ahmadie, Xiao, Chen, Woonyoung, Choi, Merve, Basar, Chao, Lu, Aaron, Viny, Ekatherina, Baturina, Jiaqi, Li, Kristjan, Getrarsson, Basmira, Alija, Andrei, Molotkov, Gregory, Wiessner, Byron Hing Lung, Lee, James, McKiernan, David J., McConkey, Colin, Dinney, Bogdan, Czerniak, Cathy Lee, Mendelsohn	No

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19F MRI/CEUS Dual Imaging-Guided Sonodynamic Therapy Enhances Immune Checkpoint Blockade in Triple-Negative Breast Cancer	Advanced Science		2024	Qiu, Chen, Hong, Xiao, Lijun, Hu, Yongquan, Huang, Zhong, Cao, Xintao, Shuai, Zhongzhen, Su	No
Bioluminescence and photoacoustic dual-modality imaging of apoptosis using a duramycin-immobilized gold nanorod probe	Cell Reports Physical Science		2024	Jingyu, Zhang, Bin, Guo, Yiyi, Jiang, Xiaorui, Shi, Chong, Hu, Zhao, Jiao, Fu, Wang	No
Aminolysis-mediated single-step surface functionalization of poly(l-butyl cyanoacrylate) microbubbles for ultrasound molecular imaging	Journal of Nanobiotechnology		2024	Junlin, Chen, Bi, Wang, Anshuman, Dasgupta, Céline, Porte, Lisa, Eckardt, Jinwei, Qi, Marek, Weiler, Twan, Lammers, Anne, Rix, Yang, Shi, Fabian, Kiessling	No
Biodistribution of PET radiotracers in tumor-bearing TRAMP mice administered by retroorbital or jugular vein injections	Scientific Reports		2024	Catherine C., Applegate, Michael B., Nelappana, Yuxiao, Cui, Goodluck, Okoro, Elaine A., Nielsen, Nicolas P., Dovalovsky, Andrew M., Smith, Iwona T., Dobrucki, Lawrence W., Dobrucki	No
HEALTH AND MEDICINE Reversibly photoswitchable protein assemblies with collagen affinity for in vivo photoacoustic imaging of tumors	Sci. Adv	https://www.science.org	2024	Shuai, Chen, Kaixin, Li, Xin, Chen, Shan, Lei, Jing, Lin, Peng, Huang	No
The pronounced cytotoxic effects of chimeric antigen receptor T cells targeting B7-H3 in organoids and liver xenografts derived from colorectal cancer patients	British Journal of Cancer	https://www.nature.com/articles/s41416-025-03114-1	2025	Yuling, Sheng, Li, Yan, Qi, Liu, Yifan, Peng, Jingyun, Tan, Wenhua, Li, Wei, Mao, Wenqing, Wei, Yanyun, Chang, Linlin, Cao, Yi, Tan, Yanlin, Xiao, Wenyong, Zhang, Jing, Gao, Yang, Xu, Changzheng, Du	No
Semaphorin 3D promotes pancreatic ductal adenocarcinoma progression and metastasis through macrophage reprogramming	Science Advances		2024	Noelle R.J., Thielman, Vanessa, Funes, Sanjana, Davuluri, Hector E., Ibanez, Wei-Chih, Sun, Juan, Fu, Keyu, Li, Stephen, Muth, Xingyi, Pan, Kenji, Fujiwara, Dwayne L. II, Thomas, MacKenzie, Henderson, Selina Shiqing, Teh, Qingfeng, Zhu, Elizabeth, Thompson, Elizabeth M., Jaffee, Alex, Kolodkin, Fengxi, Meng, Lei, Zheng	No
Molecular Engineering of a Tumor-Targeting Thione-Derived Diketopyrrolopyrrole Photosensitizer to Attain NIR Excitation Over 850 nm for Efficient Dual Phototherapy	Advanced Science		2024	Gang, Xu, Yunxia, Song, Haifeng, Jin, Pengmin, Shi, Yubo, Jiao, Fangzhou, Cao, Jie, Pang, Yanyan, Sun, Lei, Fang, Xing Hua, Xia, Jian, Zhao	No
Intraoperative Guidance of Pancreatic Cancer Resection Using a Toll-like Receptor 2-Targeted Fluorescence Molecular Imaging Agent	Cancer Research Communications		2024	Amanda S., Huynh, Allison S., Cohen, Michael, Doligalski, Todd J., Casagni, Valerie E., Moberg, Xuan, Huang, Jennifer, Morse, Dominique, Abrahams, Mark C., Lloyd, Barbara A., Centeno, Margaret K., Baldwin, Mark L., McLaughlin, Josef, Wagner, David L., Morse	No
Versatile Bi2MoO6/Prussian Blue-Au nanoplatform for oxygen-self-produced and GSH-depleted enhanced sonodynamic efficacy	Journal of Colloid and Interface Science		2025	Shuangshuang, Yang, Yufan, Zhang, Ran, Chang, Shengwu, Wen, Yaru, Cheng, Qiqi, Yang, Jinze, Li, Jinlong, Yang, Haifeng, Dong, Xueji, Zhang	No
APPLIED SCIENCES AND ENGINEERING Dormancy-inducing 3D engineered matrix uncovers mechanosensitive and drug-protective FHL2-p21 signaling axis	Sci. Adv	https://www.science.org	2024	Sadra, Bakhshandeh, Unai, Heras, Hubert M, Taleb, Adithi R, Varadarajan, Susanna M, Lisek, Sarah M, Hücker, Xin, Lu, Daniela S, Garske, Sarah A, E Young, Andrea, Abaurrea, Maria M, Caffarel, Ana, Riestra, Paloma, Bragado, Jörg, Contzen, Manfred, Gossen, Stefan, Kirsch, Jens, Warfsmann, Kamran, Honarnejad, Christoph A, Klein, Amaia, Cipitria	No
A PSA SNP associates with cellular function and clinical outcome in men with prostate cancer	Nature Communications		2024	Srilakshmi, Srinivasan, Thomas, Kryza, Nathalie, Bock, Brian W. C., Tse, Kamil A., Sokolowski, Panchadsaram, Janaththani, Achala, Fernando, Leire, Moya, Carson, Stephens, Ying, Dong, Joan, Röhl, Saeid, Alinezhad, Ian, Vela, Joanna L., Perry-Keene, Katie, Buzacott, Robert, Nica, Penny, Wilson, Mohinsh, Sun, Lucy, Side, Gad, Rennett, Judith, Offman, Claire, Moynihan, Anita, Mitra, Christos, Mikropoulos, Alan, Millner, Lovise, Maehele, Jan, Lubinski, Geoffrey, Lindeman, Vincent, Khoo, Óskar Þór, Jóhannsson, Freddie C., Hamdy, Christopher, Foster, Alison, Falconer, Jorunn, Eyfjord, Gareth, Evans, Diana, Eccles, David, Deamaley, Elena, Castro, Chris, Bangma, Audrey, Arden-Jones, Elizabeth, Page, Elizabeth, Bancroft, Manuela, Gago-Dominguez, Jeremy, Clark, Colin, Cooper, Vincent J., Gnanapragasam, Christopher, Woodhouse, Alan, Thompson, Declan, Cahill, Chris, Ogden, David, Nicol, Naami, Mccady, Justyna, Sobczak, Netty, Kinsella, Jane, Mellis, Sue, Moss, Lucia, D'Mello, Anne Marie Borges, Da Silva, Antony, Chamberlain, Sibel, Saya, Christos, Mikropoulos, Alexander, Dias, Jeff, Bamber, Mathew, Perry, Frank, Chingwundoh, Paul, Cathcart, Nandita, de Souza, Aslam, Sohaib, Jack, Schalken, Paul, Pharoah, Sarah, Lewis, Steve, Hazell, Nick, van As, Paul, Arden-Jones, Nening, Dennis, Angela, Wood, Syed, Hussain, Joe, Merson, Deniz, James, Diana, Keating, Eva, McGrowder, Matthew, Hogben, Kathryn, Myhill, Sarah, Thomas, Natalie, Taylor, Rose, Hall, Holly Ni, Raghallaigh, Jana, McHugh, Antonis, Antoniou, Pardeep, Kumar, Johanna, Schlieutker, Christiane, Maier, Kenneth, Muir, Catherine M., Tangen, Henrik, Gronberg, Nora, Pashayan, Demetrios, Albanes, Alicja, Wolk, Janet L., Stanford, Sonja I., Berndt, Lorelei A., Mucci, Stella, Koutros, Olivier, Cussenot, Karina Dalsgaard, Sorensen, Eli Marie, Grindedal, Ruth C., Travis, Christopher A., Haiman, Robert J., MacInnis, Ana, Vega, Fredrik, Wiklund, David E., Neal, Manolis, Kogevinas, Kathryn L., Penney, Borge G., Nordestgaard, Hermann, Brenner, Esther M., John, Marija, Gamulin, Frank, Claessens, Olle, Melander, Anders, Dahlin, Pär, Stattin, Göran, Hallmans, Christel, Häggström, Robert, Johansson, Elin, Thyssell, Ann Charlotte, Rön, Weiqiang, Li, Niels, Brown, Goce, Dimeski, Benjamin, Shepherd, Tokhir, Dadaev, Mark N., Brook, Amanda B., Spurdle, Ulf Häkan, Stenman, Hannu, Koistinen, Zsófia, Kote-Jarai, Robert J., Klein, Hans, Lilja, Rupert C., Ecker, Rosalind, Eeles, Markus, Aly, Maria Elena, Martinez, Steven, Joniau, Tomislav, Kulis, Thomas, Schnoeller, Josef, Hoegel, Ben, Schöttker, Bernd, Holleczek, Xin, Gao, Andreas, Røder, Hein V., Stromberg, Stig E., Bojesen, Meir, Stampfer, Sara, Lindström, Antonio, Alcaraz, Gemma, Castaño-Vinyals, Trinidad, Dierssen-Sotos, Martin, Eklund, Laura, Fachal, Antonio, Gómez-Caamaño, Roger L., Milne, Melissa C., Southey, Xin, Sheng, Loic, Le Marchand, Tim J., Key, Michael, Rorre, Laura E. Beane, Freeman, Edward, Giovannucci, Mitchell J., Machiela, Robert N., Hoover, Gerald L., Andriole, Niclas, Håkansson, Anssi, Auvinen, Teuvo L. J., Tammela, Alison M., Dunning, Tobias, Nordström, Ian M., Thompson, Phyllis J., Goodman, Arttaya, Lophatananon, William J., Blot, Peter, Kraft, Stephen N., Thibodeau, Hardev, Pandha, Lisa, Cannon-Albright, Kay Tee, Khaw, Florence, Menegaux, Ron H.N., van Shaik, Jose Esteban, Castela, Paul A., Townsend, Nawaid, Usmani, Radka, Kaneva, Davor, Lessel, Lisa F., Newcomb, Azad, Razack, Kim, De Ruyck, Susan L., Neuhausen, Manuel R., Teixeira, Jeri, Kim, Sune F., Marmorek, Cezary, Cybulski, Jong Y., Park, Adam S., Kibel, Graham G., Giles, Yong Jie, Lu, Barry S., Rosenstein, Sue Ann, Ingles, Robert J., Hamilton, Jenny L., Donovan, Geraldine, Cancel-Tassin, Catharine M.L., West, Stephanie J., Weinstein, Ying, Wang, Stephen, Chanock, Ali Amin Al, Olama, Sara, Benlloch, Fredrick R., Schumacher, Melissa, Papargiris, Anne, Mearse, Haynes, Lisa, Butler, Renea, Taylor, Lisa, Horvath, Gail P., Risbridger, Wayne, Tilley, Judith, Clements, Jyotsna, Batra	No
2D manganese-doped calcium carbonate nanosheets as activable MRI/US imaging Guided enhanced calcium influx for Boosted regulatory cell death	Chemical Engineering Journal		2025	Mingya, Tan, Linlin, Huo, Jie, Zeng, Shiqi, Zhu, Jianfeng, Bao, Mengke, Fan, Jiangyang, Li, Meiling, Liu, Jiyi, Zhao, Zhenguan, Zhao	No

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Ultrasound-responsive nanocarriers with siRNA and Fe3O4 regulate macrophage polarization and phagocytosis for augmented non-small cell lung cancer immunotherapy	Journal of Nanobiotechnology		2024	Ming, Li, Yuanyuan, Li, Jun, Zheng, Zhen, Ma, Jianye, Zhang, Hao, Wu, Yangyang, Zhu, Pan, Li, Fang, Nie	No
Intermetallics triggering pyroptosis and disulfidoptosis in cancer cells promote anti-tumor immunity	Nature Communications		2024	Yanlin, Zhu, Xinxin, Wang, Lili, Feng, Ruoxi, Zhao, Can, Yu, Yuanli, Liu, Ying, Xie, Bin, Liu, Yang, Zhou, Piaoping, Yang	No
Identification of Contactin-1 as a Potential Biomarker and Therapeutic Target in Neuroblastoma	Biomedicines		2024	Christa N., Grant, Carson A., Wills, Xiaoming, Liu, Longgui, Chen, Zhenqiu, Liu, Hong Gang, Wang	No
Oncogenic properties of wild-type DNA repair gene FANCA in breast cancer	Cell Reports		2025	Liang, Luo, Fenghua, Yuan, Anna, Palovcak, Fang, Li, Qingqi, Yuan, Daniel, Calkins, Zoe, Manalo, Yan, Li, Dazhi, Wang, Mike, Zhou, Catherine, Zhou, Matthew, Li, Yuan De, Tan, Feng, Bai, Yuyuang, Ban, Christian, Mason, Evan, Roberts, Daniel, Bilbao, Zhao Jun, Liu, Karoline, Briegel, Scott M., Welford, Xin Hai, Pei, Sylvia, Dauner, Wenjun, Liu, Yanbin, Zhang	No
Aggregation induced emission luminogen bacteria hybrid bionic robot for multimodal phototheranostics and immunotherapy	Nature Communications		2025	Liwei, Zhu, Guangjie, Song, Wentian, Zhang, Yifan, Wu, Yuling, Chen, Jiayi, Song, Deliang, Wang, Guoxin, Li, Ben Zhong, Tang, Ying, Li	No
IL-33-activated ILC2s induce tertiary lymphoid structures in pancreatic cancer	Nature		2025	Masataka, Amisaki, Abderezak, Zebboudj, Hiroshi, Yano, Siqi Linsey, Zhang, George, Payne, Adrienne Kaya, Chandra, Rebecca, Yu, Pablo, Guasp, Zachary M., Sethna, Akhiro, Ohmoto, Luis A., Rojas, Charlotte, Cheng, Theresa, Waters, Alexander, Solovyov, Stephen, Martis, Ashley S., Doane, Charlotte, Reich, Emmanuel M., Bruno, Martina, Milighetti, Kevin, Soares, Zagaa, Odgerel, John Alec, Moral, Julia N., Zhao, Mithat, Gönen, Rui, Gardner, Alexei V., Tumanov, Abdul G., Khan, Olivia, Vergnolle, Elisabeth K., Nyakatura, Ivo C., Lorenz, Manuel, Baca, Erin, Patterson, Benjamin, Greenbaum, David, Artis, Taha, Merghoub, Vinod P., Balachandran	No
Antisense mediated blockade of Dickkopf 1 attenuates tumor survival, metastases and bone damage in experimental osteosarcoma	Scientific Reports		2025	Andrew, Haskell, Simin, Pan, Robert, Reese, Anthony, Powers, Megan G., Lopez, Sebastian, Lomeli, Christopher, Story, Joshua, Benton, J. Chris, Blazier, Roland, Kaunas, Carl A., Gregory	No
Constructing Intramolecular Electric Fields in NIR-II-Emissive Photosensitizers to Regulate the Local Electron Density for Boosting Hypoxia-Tolerant Cancer Phototheranostics	CCS Chemistry		2025	Xiaoming, Hu, Cheng, Zhang, Jingqi, Lv, Rongtian, Li, Achen, Qin, Caijun, Zhu, Fengwei, Sun, Zejing, Chen, Shenghan, Teng, Hongxin, Lin, Zhen, Yang, Wei, Huang	No
The GLP-1R agonist semaglutide reshapes pancreatic cancer associated fibroblasts reducing collagen proline hydroxylation and favoring T lymphocyte infiltration	Journal of Experimental and Clinical Cancer Research		2025	Chiara, Cencioni, Silvia, Malatesta, Virginia, Vigiano Benedetti, Valerio, Licursi, Livia, Peretto, Federica, Conte, Danilo, Ranieri, Armando, Bartolazzi, Martina, Kunkl, Loretta, Tuoato, Alberto, Larghi, Geny, Piro, Antonio, Agostini, Giampaolo, Tortora, Vincenzo, Corbo, Carmine, Carbone, Francesco, Spallotta	No
Ginsenoside RG3 Synergizes With STING Agonist to Reverse Cisplatin Resistance in Gastric Cancer	Food Science and Nutrition		2025	Zhongqi, Lu, Yifang, Fu, Qiang, Fu, Ying, Chang, Meihua, Zhang, Tiefeng, Jin	No
Hypoxia-tropic delivery of nanozymes targeting transferrin receptor 1 for nasopharyngeal carcinoma radiotherapy sensitization	Nature Communications		2025	Ruofei, Zhang, Yanfang, Shen, Xiaoying, Zhou, Jianru, Li, Hanqing, Zhao, Zixia, Zhang, Jun, Zhao, Hongjun, Jin, Shuanshan, Guo, Hui, Ding, Guohui, Nie, Zhe, Zhang, Ying, Wang, Xiyun, Yan, Kelong, Fan	No
Chemotherapy in synergy with innate immune agonists enhances T cell priming for checkpoint inhibitor treatment in pancreatic cancer	Biomarker Research		2025	Nan, Niu, Keyu, Li, Junke, Wang, Vanessa, Funes, Virginia, Espinoza, Pan, Li, Jianxin, Wang, Melissa, Lyman, Mengni, He, Brian, Herbst, Michael, Wichroski, Ruslan, Novosiadly, Sami, Shoucair, Yiping, Mou, Lei, Zheng	No
Antibody-based delivery of interleukin-2 modulates the immunosuppressive tumor microenvironment and achieves cure in pancreatic ductal adenocarcinoma syngeneic mice	Journal of Experimental and Clinical Cancer Research		2025	Carmine, Carbone, Roberto, De Luca, Emanuele, Pucca, Antonio, Agostini, Alessia, Caggiano, Lorenzo, Priori, Annachiara, Esposito, Serena, Ascriczi, Geny, Piro, Lisa, Salvatore, Francesco, De Sanctis, Stefano, Ugel, Vincenzo, Corbo, Dario, Neri, Giampaolo, Tortora	No
Fractionated low-dose radiotherapy primes the tumor microenvironment for immunotherapy in a murine mesothelioma model	Cancer Immunology, Immunotherapy		2025	Rebecca A., D'Alonzo, Synat, Keam, Suki, Gill, Pejman, Rowshanfarzad, Anna K., Nowak, Martin A., Ebert, Alistair M., Cook	No
Integrating oxygen-boosted sonodynamic therapy and ferroptosis via engineered exosomes for effective cancer treatment	Theranostics		2025	Mingbo, Wu, Zhanlin, Zhang, Dong, Li, Xiaomiao, Ruan, Jingwen, Yang, Siyi, Chen, Xin, Li, Wenwu, Ling	No
Ultrasound irradiation in the presence of microbubbles may enhance the antitumor effect of chemotherapeutic agents against bladder cancer	Journal of Cancer		2025	Takehiro, Suzuki, Takuma, Sato, Ariunbuyan, Sukhbaatar, Maya, Sakamoto, Shiro, Mori, Tetsuya, Kodama, Akihiro, Ito	No
Correlation of Preclinical In Vivo Imaging Modalities and Immunohistochemistry for Tumor Hypoxia and Vasculature	In Vivo		2025	Rebecca A., D'Alonzo, Synat, Keam, Tracy S., Hoang, Suki, Gill, Pejman, Rowshanfarzad, Anna K., Nowak, Alistair M., Cook, Martin A., Ebert	No
Prolonged survival by combination treatment with a standardized herbal extract from Japanese Kampo-medicine (uzentaihol) and gemtacin in an orthotopic transplantation pancreatic cancer model	Frontiers in Oncology		2024	Joanna, Napp, Paulina, Siebel, Hans, Rausch, Kenny, Kuchta, Thomas, Efferth, Frauke, Alves, Volker, Ellenrieder, Silke, Cameron	No
Wearable photobiomodulation halts thyroid cancer growth by leveraging thyroid photosensitivity	Bioengineering and Translational Medicine		2025	Changrui, Zhao, Kun, Fu, Jiameng, Tian, Tian, Long, Jianzhong, Song, Siyu, Chen, Chang, Liu	No
Limiting serine availability during tumor progression promotes muscle wasting in cancer cachexia	Cell Death Discovery		2024	Erica, Pranzini, Livio, Mucclillo, Ilaria, Nesi, Alice, Santi, Caterina, Mancini, Giulia, Lori, Massimo, Genovese, Tiziano, Lottini, Giuseppina, Comito, Anna, Caselli, Annarosa, Arcangeli, Lina, Sabatino, Vittorio, Colantuoni, Maria Letizia, Taddei, Paolo, Cirri, Paolo, Paoli	No
Ultrasound nanodroplets loaded with Siglec-G siRNA and Fe3O4 activate macrophages and enhance phagocytosis for immunotherapy of triple-negative breast cancer	Journal of Nanobiotechnology		2024	Ci, Yin, Guojuan, Wang, Qin, Zhang, Zhendong, Li, Tiantian, Dong, Qi, Li, Nianhong, Wu, Yaqin, Hu, Haitao, Ran, Pan, Li, Yang, Cao, Fang, Nie	No
Protocol for generating brain metastatic tumor cells through repeated intracardiac injections in mice	STAR Protocols		2025	Li, Wang, Xiaoxia, Chen, Chengtao, Dong, Shengqi, Yin, Li, Liang, Aidong, Zhou	No
Ultrasound-guided interstitial photothermal therapy generates improved treatment responses in a 9464D model of neuroblastoma	Bioengineering and Translational Medicine		2025	Grace E., Olsson, Rohan V., Patil, Samantha J., Chin, Katharine N., Rus, Elizabeth E., Sweeney, Karun V., Sharma, Rohan, Fernandes	No
Low-Intensity Focused Ultrasound-Responsive, Phase-Change Nanodroplets to Remodel Macrophage Polarization and Enhance PD-1 Blockade Therapy	Small Structures		2025	Qin, Zhang, Ci, Yin, Junjie, Liu, Hua, Yang, Yanping, Zhang, Qiaoxi, Qin, Nianhong, Wu, Rui, Tang, Yuting, Cao, Min, Zheng, Hongshe, He, Hongmei, Dong, Yang, Zhou, Jianli, Ren, Zhengjiu, Ren, Pan, Li	No
Morphology-dependent near-infrared photothermal activity of plasmonic TiN nanobars and nanospheres for anticancer, antibacterial therapy and deep in vivo photoacoustic imaging	Applied Surface Science Advances		2025	Katerina, Polakova, Sourav, Rej, Sarka, Hradilova, Jan, Belza, Tomas, Malina, Katerina Barton, Tomankova, Renata, Vecerova, Petr, Matous, Petr, Paral, Ariana, Opletalova, Jana, Soukupova, Tomas, Pluhacek, Ludek, Sefc, Radek, Zboril, Stepan, Kment, Alberto, Naldoni	No
Pharmacological rescue of mutant p53 triggers spontaneous tumor regression via immune responses	Cell Reports Medicine		2025	Jiabin, Li, Shuang, Zhang, Baohui, Wang, Yuting, Dai, Jiale, Wu, Dianjia, Liu, Ying, Liang, Shujun, Xiao, Zhengyuan, Wang, Jiaqi, Wu, Derun, Zheng, Xueqin, Chen, Fangfang, Shi, Kai, Tan, Xianting, Ding, Huaxin, Song, Sujiang, Zhang, Min, Lu	No
Anti-miRNA therapeutics for uterine fibroids	Biomedicine and Pharmacotherapy		2025	Sharad, Saxena, Maria Concetta, Volpe, Chiara, Agostinis, Simone, Vodret, Nadia Anneliese, Ruth, Ring, Andrea, Colliva, Roman, Vuerich, Luca, Braga, A., Cook-Calvete, Federico, Romano, Gabriella, Zito, Giovanni Di, Lorenzo, Blendi, Ura, Giuseppe, Ricci, Maurizio, Pinamonti, Roberta, Bulla, Serena, Zacchigna	No

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Oxygen-regulated enzymatic nanoplatfor for synchronous intervention in glycolysis and oxidative phosphorylation to augment antitumor therapy	Journal of Controlled Release		2025	Shanshan, Jiang, Wanyu, Li, Yifan, Zhang, Jing, Lin, Peng, Huang	No
Tumor microenvironment-activated and near-infrared light-driven free radicals amplifier for tetra-modal cancer imaging and synergistic treatment	Journal of Colloid and Interface Science		2025	Yadi, Fan, Jinyu, Shi, Ruolin, Zhang, Feng, Tian, Yu, Zhang, Li, Zhang, Mo, Yang	No
Synergistic drug combination screening using a nanodroplet processing platform to enhance neuroblastoma treatment in TH-MYCn transgenic mice	Bioengineering and Translational Medicine		2025	Yen Tzu, Liao, Zhi Kai, Yu, Yi Xun, Huang, Kuan Hung, Lin, Ching Te, Kuo, Tsai Shan, Yang, Pei Yi, Wu, Chi Tai, Yeh, Yen Lin, Liu, Chien Chin, Chen, Chiung Nien, Chen, Wen Ming, Hsu, Hsin-yu, Lee	No
Glioblastoma targeting by water-soluble hypericin derivate HHL-PVP and photodynamic tumour killing	Biomedicine and Pharmacotherapy		2025	Djenana, Vejzovic, Andreas, Kubin, Karoline, Fechter, Christina, Karner, Jaana, Hartmann, Thomas, Ackerbauer, Branislav, Radović, Gerald, Ritter, Muammer, Uçal, Stefan, Ropele, Karim Mahdy, Ali, Mario, Mischkulnig, Marlene, Leoni, Bernadette, Liegl-Atzwanger, Lionel, Wightman, Beate, Rinner	No
GMMa decorated with mucin 1 Trn/Stn mimetics elicit specific antibodies response and inhibit tumor growth	npj Vaccines		2025	Elica, Pesce, Andrea, Sodini, Elena, Palmieri, Silvia, Valensin, Cristina, Tinti, Marco, Rossi, Antonella, De Rosa, Marco, Fragai, Francesco, Papi, Chiara, Cordiglieri, Francesco, Berti, Renata, Grifantini, Francesca, Micoli, Cristina, Nativi	No
Targeting the hERG1/β1 integrin complex in lipid rafts potentiates statins anti-cancer activity in pancreatic cancer	Cell Death Discovery		2025	Claudia, Duranti, Jessica, Iorio, Valeria, Manganelli, Giacomo, Bagni, Rossella, Colasurdo, Tiziano, Lottini, Michele, Martinelli, Chiara, Capitani, Giulia, Bosco, Franco Nicolas, D'Alessandro, Maurizio, Sorice, Andrea, Becchetti, Roberta, Misasi, Tina, Garofalo, Annarosa, Arcangeli	No
Ultrasound Visualization of Spatiotemporal Autophagy: Regulated Nanodroplets for Amplifying ICB in Melanoma via Remodeling Tumor Inflammatory Microenvironment	ACS Applied Materials and Interfaces		2025	Nianhong, Wu, Qin, Zhang, Rui, Tang, Liming, Deng, Yuting, Cao, Benxin, Fu, Hongmei, Dong, Zeyan, Huang, Li, Wan, Hongye, He, Yi, Lin, Junjie, Liu, Chunyu, Xia, Pan, Li	No
Development of Pd-Loaded Hf-Based Metal-Organic Framework as a Dual-Modal Contrast Agent for Photoacoustic Imaging and Computed Tomography	ACS Biomaterials Science and Engineering		2025	Yen Chang, Chen, Yu Sheng, Yu, Yu Kang, Wang, R. K., Rakesh Kumar, Cho Yin, Lee, Cheng Hsin, Chuang, Lun De, Liao, Kevin C.W., Wu	No
A Bi2O3-TiO2 Heterojunction for Triple-Modality Cancer Theranostics	International Journal of Nanomedicine		2025	Zhiyu, Zheng, Gareth R., Williams, Honghua, Guo, Yifu, Zheng, Mengting, Xiu, Yanyan, Zhang, Huan, Zhang, Kai, Wang, Jindong, Xia, Yu, Wang, Li Min, Zhu	No
Direct Inhibition of RAS Reveals the Features of Oncogenic Signaling Driven by RAS G12 and Q61 Mutations		http://aacrjournals.org/cancerdiscovery/article-pdf/doi/10.1158/2159-8290.CD-24...		Michelangelo, Marasco, Dinesh, Kumar, Santiago, Garcia Borrego, Tessa, Seale, Giulia, Maddalena, Riccardo, Mezzadra, Kylie, Belanger, Soren, Cole, Brayan, Perez, Wei, Luan, Radha, Mukherjee, Ilincă, Aricescu, Vladimir, Markov, Yuxin, Zhu, Sabrina, Arena, Alberto, Bardelli, Elisa, De Stanchina, Scott W, Lowe, Richard A, Burkhart, Jacquelyn W, Zimmerman, Rona, Yaeger, Scott E, Kopetz, Neal, Rosen, Sandra, Misale	No
Sympathetic axonogenesis promotes adenoid cystic carcinoma progression	The Journal of experimental medicine		2025	Chun Hao, Chen, Boris, Reva, Nora, Katabi, Avishai, Wizel, Hongbo, Xu, Alan L., Ho, Luc G.T., Morris, Richard L., Bakst, Anuraag S., Parikh, Yotam, Drier, Sylvie, Deborde, Richard J., Wong	No
Development of ultrasound-visualized tumor-targeting engineered bacteria for precise tumor therapy	Synthetic and Systems Biotechnology		2025	Li, Qu, Zhou, Chi, Zhen Ping, Zou, Ying, Zhou, Bang Ce, Ye	No
In Vitro and In Vivo Photothermal and Photoacoustic Activities of Polymeric Nanoparticles Loaded with Nickel, Palladium, and Platinum-Bis(dithiolene) Complexes	ChemMedChem		2025	Jean Baptiste, Pluta, Lamiaa M.A., Ali, Romain, Guehaichia, Victorien, Massé, Thiviya, Parthipan, Nathalie, Bellec, Sandrine, Cammas-Marion, Francois, Varray, Christophe, Nguyen, Magali, Gary-Bobo, Franck, Camerel	No
PEGylated gas vesicles: a promising novel ultrasound contrast agent for diagnosis and guiding radiofrequency ablation of liver tumor	Journal of Nanobiotechnology		2025	Kezhi, Yu, Yongquan, Huang, Yuanyuan, Wang, Quyan, Wu, Zihang, Wang, Fei, Li, Jiann, Chen, Maierhaba, Yibulayin, Shushan, Zhang, Zhongzhen, Su, Fei, Yan	No
Enhanced Antitumor Efficacy and Reduced Cardiotoxicity of Ultrasound-Mediated Doxorubicin Delivery by Microbubble-Liposome Complexes	Ultrasound in Medicine and Biology		2025	Mingyu, He, Xucai, Chen, Francois, Yu, Bin, Qin, Huizhu, Wang, Linda, Lavery, Flordeliza S., Villanueva	No
Partial hepatectomy accelerates colorectal metastasis by priming an inflammatory premetastatic niche in the liver	Frontiers in Immunology		2024	Jost, Luenstedt, Fabian, Hoping, Reinhild, Feuerstein, Bernhard, Mauerer, Christopher, Berlin, Julian, Rapp, Lisa, Marx, Wilfried, Reichardt, Dominik, von Elverfeldt, Dietrich Alexander, Ruess, Dorothea, Plundrich, Claudia, Laessele, Andreas, Jud, Hannes Philipp, Neeff, Philipp Anton, Holzner, Stefan, Fichtner-Feigl, Rebecca, Kesselring	No
Refining Single-Atom Catalytic Kinetics for Tumor Homologous-Targeted Catalytic Therapy	Nano-Micro Letters		2025	Hengke, Liu, Shan, Lei, Hongyu, Li, Jiayingzi, Wu, Ting, He, Jing, Lin, Peng, Huang	No
Application of bioactive materials primary cilia as a novel delivery vehicle	Bioactive Materials		2025	Ayan K., Barui, Farideh, Amirrad, Vansh, Goel, Sharareh, Ohadi, Rajasekharreddy, Pala, Ashraf M., Mohieldin, Andromeda M., Nauli, Surya M., Nauli	No
Simvastatin-loaded liposomal nanoparticles as treatment for adenomyosis in a patient-derived xenograft mouse model: a pilot study	Journal of Obstetrics and Gynaecology		2025	Rachel, Michel, Kathleen L., Vincent, Gregory W., Kirschen, Massoud, Motamedi, Jamal, Saada, Jiping, Yang, Bulent, Ozpolat, Gokhan S., Kilic, Mostafa A., Borahay	No
Optimization of lymphatic drug delivery system with carboplatin for metastatic lymph nodes	Scientific Reports		2025	Miriu, Miyatsu, Ariunbuyan, Sukhbaatar, Radhika, Mishra, Arunkumar, Doral, Shiro, Mori, Tetsuya, Kodama	No
Attenuation Estimation and Acoustic Characterization of Mouse Lymph Node Tumor Using High-Frequency Ultrasound	Molecular Imaging and Biology		2025	Masaaki, Omura, Kazuki, Maeda, Kazuki, Tamura, Kenji, Yoshida, Ariunbuyan, Sukhbaatar, Tetsuya, Kodama, Tadashi, Yamaguchi	No
An imaging-guided self-amplifying photo-immunotherapeutic nanoparticle for STING pathway activation and enhanced cancer therapy	Journal of Nanobiotechnology		2025	Qiaoqi, Chen, Huilin, Yu, Lin, Li, Hua, Zhang, Mixiao, Tan, Weiwei, Liu, Min, Zheng, Yaqin, Hu, Long, Cheng, Yushi, Chen, Haitao, Ran, Qiu, Zeng, Yuan, Guo	No
Antineoplastic activity of a novel tri-specific single chain antibody targeting the hERG1/β1 integrin complex and TRAIL receptors	Molecular Cancer Therapeutics		2025	Claudia, Duranti, Jessica, Iorio, Chiara, Capitani, Tiziano, Lottini, Michele, Martinelli, Julia, Roos, Nicole, Anderle, Tengku Ibrahim, Maulana, Peter M., Loskill, Rossella, Colasurdo, Cesare, Sala, Lara, Magni, Annarosa, Arcangeli	No
An oxygen-generating nanoplatfor remodels the immunosuppressive tumor microenvironment via synergistic lactate depletion and sonodynamic therapy	Journal of Nanobiotechnology		2025	Chenchen, Tang, Xinyi, Tang, Jingwei, Tang, Jie, Hu, Li, Wan, Jimei, Chen, Ruqian, Fu, Yang, Cao, Rui, Li	No
Multimodal Imaging of Brain Metastasis-Derived Extracellular Vesicles Using Superparamagnetic Iron Oxide Nanoparticle Labeling	International Journal of Nanomedicine		2025	Gitte, Feggin Berle, Sunniva, Julissen, Åurea, Castilho, Ege, Solei, Halala, Sidik Saed, Oliver, Vanderpoorten, Taral R., Lunavat, Frits, Thorsen, Emma, Rigg	No
Genetically engineered bio-composite mediated dual-modality imaging-guided synergistic chemo-FUAS for tumor therapy	Materials Today Bio		2025	Yijun, Zhou, Mingyang, Zhang, Haiyan, Yang, Guangrong, Zheng, Li, Ren, Zhong, Zhang, Li, Lin, Youqian, He, Qi, Wang, Jiazhong, Zou	No
GPA33-pretargeted radioimmunotherapy with mono- and bivalent DOTA-based Lu-177-labeled radiobaptens in a mouse orthotopic liver xenograft model of metastatic human colorectal cancer	Theranostics		2025	Alexandre B., Le Roux, Edward K., Fung, Sang Gyu, Lee, Sebastian, Monette, Hong, Xu, Hong Fen, Guo, Guangbin, Yang, Ouathek, Ouerfelli, Achim, Jungbluth, Heiko, Schöder, Steven M., Larson, Nai Kong V., Cheung, Sarah M., Cheal, Darren R., Veach	No

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Preclinical evaluation of glycan-targeting monoclonal antibodies for bimodal near-infrared fluorescence and photoacoustic imaging of gastrointestinal cancers	EJNMMI Research		2025	Ruben D., Houvast, Vincent O., Sier, Maurice, van Duljenvoerde, Victor M., Baart, Timo, Schomann, Jia Xin, Chua, Mireille, Vankemmelbeke, Lindy G., Durrant, Daniëlle, Krijgsman, Pieter, de Heer, Gert Jan, Hassing, J. Sven D., Mieog, A. Stijn L.P., Crobach, Jacobus, Burggraaf, Peter J.K., Kuppen, Alexander L., Vahrmeijer	No
Ultrasound-Triggered NPC1L1-Targeting Nanobubbles for Remodeling the Tumor Microenvironment in Pancreatic Cancer Chemimmunotherapy	ACS Applied Materials and Interfaces		2025	Li, Dong, Deng, Liu, Jun, Zhang, Yi, Ling, Xin, Li, Juanjuan, Ou, Yanli, Guo	No
Antitumoral Efficacy of AuNRs-Laden ECFCs In Vitro and In Vivo: Decoding the Heat and Rays Combo Treatment in Breast Cancer and Melanoma Cells	Advanced Healthcare Materials		2025	Cecilia, Anceschi, Francesca, Scavone, Paolo, Armanetti, Luca, Menichetti, Claudia, Catarinicchia, Claudia, Borri, Fulvio, Ratto, Filippo, Micheletti, Noemi, Formica, Jessica, Ruzzolini, Elena, Frediani, Anastasia, Chilà, Francesca, Margheri, Mirko, Severi, Rita, Traversi, Patrizia, Nardini, Daniele, Guasti, Mario, Del Rosso, Tommaso, Del Rosso, Lisa, Giovanelli, Cinzia, Talamonti, Monica, Mangoni, Isacco, Desideri, Silvia, Burchielli, Fabiola, Pajar, Gabriella, Fibbi, Anna, Laurenzana	No
Intravesical VSVΔ51-GM-CSF virotherapy is superior to BCG in treating bladder cancer in preclinical and translational models	Molecular Therapy Oncology		2025	Lauren, Daniel, Kowry S., Ndiaye, Hugo, Giguère, Léa J., Custeau, Jacob L., Léger, Guillaume, St-Cyr, Nadia Ekindi, Ndongo, Patrick O., Richard, Lee Hwa, Tai	No
Designing a Sulfur Vacancy Redox Disruptor for Photothermoelectric and Cascade-Catalytic-Driven Cuproptosis-Ferroptosis-Apoptosis Therapy	Nano-Micro Letters		2025	Mengshu, Xu, Jingwei, Liu, Lili, Feng, Jiahe, Hu, Wei, Guo, Huiming, Lin, Bin, Liu, Yanlin, Zhu, Shuyao, Li, Elyor, Berdimurodov, Avez, Sharipov, Piaoping, Yang	No
An SRBM3-regulated neural alternative splicing program is subverted to promote tumor progression in pancreatic neuroendocrine cells	Cell Reports	https://linkinghub.elsevier.com/retrieve/pii/S2211124725007934	2025	Myrto, Potiri, Charikleia, Moschou, Zoi, Erpapazoglou, Georgia, Rouni, Anastasia, Kotsoni, Margarita, Andreadou, Anastasios, Klavdianos, Meina, Dragolia, Vasileios, Ntafis, Joerg, Schrader, Jonas, Juan-Mateu, Skarlatos G., Dedos, Martina, Samiotaki, Vassiliki, Kostourou, Malgorzata E., Rogalska, Panagiota, Kafasla	No
PHGDH drives 5-FU chemoresistance in colorectal cancer through the Hedgehog signaling	Journal of Experimental and Clinical Cancer Research		2025	Caterina, Mancini, Giulia, Lori, Gianluca, Mattei, Marta, Iozzo, Dayana, Desideri, Fabio, Cianchi, Laura, Fortuna, Federico, Passagnoli, Daniela, Massi, Filippo, Ugolini, Luca, Messerini, Salvatore, Piscuoglio, Antonio, Pezone, Francesca, Magherini, Alessio, Biagioni, Tiziano, Lottini, Demetra, Zambardino, Giuseppina Ivana, Truglio, Elena, Petricci, Alberto, Magli, Annarosa, Arcangeli, Luisa, Maresca, Barbara, Stecca, Erica, Pranzini, Maria Letizia, Taddei	No
A lung cancer mouse model system based on an inbred C3H strain: Ultrasound imaging, pathological analysis, and proteomic biomarker identification	Veterinary World		2025	Ulayat, Kustiati, Wahyu Tri, Widayati, Dwi Liliek, Kusindarta, Dwi Anis Agung, Nugrahingsih, Dinda, Alfira, Wilda Bunga Tina, Sanjaya, Hevi, Wihadmadyatami	No
Ultrasound-Induced Thermal Effect Enhances the Efficacy of Chemotherapy and Immunotherapy in Tumor Treatment	International Journal of Nanomedicine		2024	Yuting, Xiang, Li, Tang, Hua, Pang, Han, Xu, Yiman, He, Yuyue, Feng, Linjun, Ju, Liang, Zhang, Dong, Wang	No
Breakthrough of Hypoxia Limitation by Tumor-Targeting Photothermal Therapy-Enhanced Radiation Therapy	International Journal of Nanomedicine		2024	Yi, Zhang, Dang, Liu, Bin, Qiao, Yuanli, Luo, Liang, Zhang, Yang, Cao, Haitao, Ran, Chao, Yang	No
Injectable hybrid hydrogels enable enhanced combination chemotherapy and roused anti-tumor immunity in the synergistic treatment of pancreatic ductal adenocarcinoma	Journal of Nanobiotechnology		2024	Hao, Zhou, Wei, Wang, Zedong, Cai, Zhou Yan, Jia, Yu Yao, Li, Wei, He, Chen, Li, Bang Le, Zhang	No
A Novel Multi-Effect Photosensitizer for Tumor Destruction via Multimodal Imaging Guided Synergistic Cancer Phototherapy	International Journal of Nanomedicine		2024	Kunhui, Sun, Bing, Wang, Mengnan, Li, Yanli, Ge, Lijun, An, Duanna, Zeng, Yuhua, Shen, Ping, Wang, Meifang, Li, Xuelei, Hu, Xie An, Yu	No
Multifunctional and Scalable Nanoparticles for Bimodal Image-Guided Phototherapy in Bladder Cancer Treatment	Nano-Micro Letters		2025	Menghuan, Tang, Sohaib, Mahri, Ya Ping, Shiao, Tasneem, Mukarrama, Rodolfo, Villa, Qiufang, Zong, Kelsey Jane, Racacho, Yangxiong, Li, Yunyoung, Lee, Yanyu, Huang, Zhaoqing, Cong, Jinhwan, Kim, Yuanpei, Li, Tzu Yin, Lin	No
IL-15 Complex Enhances Agonistic Anti-CD40 + Anti-PD1 by Correcting the Tbet to Tox Ratio in CD8+ T cells Infiltrating Pancreatic Ductal Adenocarcinoma	Journal of Statistical Mechanics: Theory and Experiment		2025	Zoe C. Schmiechen, Hezekiel A. Nanda, Adam L. Burrack, Grant H. Hickok, Jonah Z. Butler, Eduardo Cruz-Hinojosa, Nicholas J. Maurice, Michael J. Geuenich, Chengxin Yu, Alexander K. Tsai, Cara-Lin Lonetree, Madeline A. Ellefson, Audrey L. Hill, Brandon M. Larsen, Ebony A. Miller, Antonio B. Rizzo, Kieran R. Campbell, Steven S. Shen, Ingunn M. Stromnes	No
Protocol for establishing liver tumors via ultrasound-guided intrahepatic injection prior partial hepatic resection in a mouse model	STAR Protocols		2024	Shadin, Ghabra, Rajiv, Trehan, Francisco, Rodriguez-Matos, Chi, Ma, Tim F., Greden	No
Lnc-RAINY Regulates Genes Involved in Radiation Susceptibility Through DNA:DNA-RNA triplex-forming Interactions and has Tumor Therapeutic Potential in Lung Cancers	Non-coding RNA Research	https://linkinghub.elsevier.com/retrieve/pii/S2468054024001689	2024	Emily S., Westemeier-Rice, Michael T., Winters, Travis W., Rawson, Kiran J., Patel, Olivia, McHugh, Sierra, Ward, Sarah, McLaughlin, Amanda, Stewart, Bishal, Misra, Sebastian, Dziadowicz, Weijun, Yi, Sharan, Bobbala, Gangqing, Hu, Ivan, Martinez	No
Urine-Stable Aptamer-Conjugated Gold Nanorods for the Early Detection of High-Grade Bladder Cancer Residual Disease	Advanced Healthcare Materials		2025	Chiara, Venegoni, Silvia, Tortorella, Alessandra, Caliendo, Irene, Locatelli, Alessia Di, Coste, Erica, Locatelli, Filippo, Capancioni, Emanuela, Bua, Simona, Camorani, Andrea, Salonia, Francesco, Montorsi, Jithin, Jose, Marco, Moschini, Laura, Cerchia, Mauro Comes, Franchini, Massimo, Alfano	No
NIR-triggered programmable nanomotor with H2S and NO generation for cascading oncotherapy by three-pronged reinforcing LCD	Materials Today Bio		2025	Jinlong, Zhang, Quan, Jing, Longlong, Yuan, Xianhui, Zhou, Duolong, Di, Jinyao, Li, Dong, Pei, Zhongxiong, Fan, Jun, Hai	No
Multispectral photoacoustic imaging of breast cancer tissue with histopathology validation	Biomedical Optics Express	https://opg.optica.org/abstract.cfm?URI=boe-16-3-995	2025	Junhao, Zhang, Junior, Arroyo, Muyinatu A., Lediju Bell	No
Tumor Hypoxia Assessment: In Vivo 3D Oxygen Imaging Through Electron Paramagnetic Resonance	Journal of Visualized Experiments		2025	Gabriela, Dziurman, Aleksandra, Bienia, Aleksandra, Murzyn, Bartosz, Płociennik, Julia, Kozik, Grzegorz, Szweczyk, Małgorzata, Szczygiel, Martyna, Krzykawska-Serda, Boris, Epel, Howard J., Halpern, Martyna, Elias	No
Contribution of hypoxia-inducible factor 1alpha to pathogenesis of sarcomeric hypertrophic cardiomyopathy	Scientific Reports	https://www.nature.com/articles/s41598-025-85187-9	2025	Sarala, Raj Murthi, Andreas, Petry, Bachuki, Shashikadze, Jan B., Stöckl, Manuel, Schmid, Gianluca, Santamaria, Karin, Klingel, Damir, Kračun, Xinpel, Chen, Sabine, Bauer, Joachim P., Schmitt, Florian, Fienkenthaler, Josh, Gorham, Christopher N., Töpfer, David, Potěšil, Pavel, Hruška, Zbyněk, Zdráhal, Zsuzsanna, Mayer, Mathieu, Klop, Luisa, Lehmann, Yishi, Qin, Laura, Papanaki, Nadine, Spielmann, Alessandra, Moretti, Thomas, Fröhlich, Peter, Ewert, Stefan, Holdenrieder, Jonathan G., Seidman, Christine E., Seidman, Agnes, Górlach, Cordula M., Wolf	No
Truncated PD1 Engineered Gas-Producing Extracellular Vesicles for Ultrasound Imaging and Subsequent Degradation of PD1 in Tumor Cells	Advanced Science		2024	Siyao, Zhang, Yuan, Liang, Panpan, Ji, Rui, Zheng, Fan, Lu, Guangdong, Hou, Guodong, Yang, Lijun, Yuan	No
Ultrasound image-guided cancer gene therapy using IRGD dual-targeted magnetic cationic microbubbles	Biomedicine and Pharmacotherapy		2024	Yao, Zhu, Gulzira, Arkin, Wei, Zeng, Yalan, Huang, Lili, Su, Fengjuan, Guo, Jiayu, Ye, Guanxi, Wen, Jinfeng, Xu, Yingying, Liu	No
Metallopolymer strategy to explore hypoxic active narrow-bandgap photosensitizers for effective cancer photodynamic therapy	Nature Communications		2024	Zhao, Zhang, Zixiang, Wei, Jintong, Guo, Jinxiao, Lyu, Bingzhe, Wang, Gang, Wang, Chunfei, Wang, Lianqiang, Zhou, Zhen, Yuan, Guichuan, Xing, Changfeng, Wu, Xuanjun, Zhang	No

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EGFR-activated myofibroblasts promote metastasis of pancreatic cancer	Cancer Cell		2024	Gianluca, Mucciolo, Joaquín, Aros Henriquez, Muntadher, Jihad, Sara, Pinto Teles, Judhell S., Manansala, Wenlong, Li, Sally, Ashworth, Eloise G., Lloyd, Priscilla S.W., Cheng, Weike, Luo, Akanksha, Anand, Ashley, Sawle, Anna, Piskorz, Giulia, Biffi	No
Gold Nanocage-Based Multifunctional Nanosensitizers for Programmed Photothermal/Radiation/Chemical Coordinated Therapy Guided by FLMR/PA Multimodal Imaging	International Journal of Nanomedicine		2023	Xinni, Pan, Yi, Lu, Shanshan, Fan, Hao, Tang, Haisong, Tan, Cheng, Cao, Yingsheng, Cheng, Yanlei, Liu	No
Docetaxel administered through a novel lymphatic drug delivery system (LDDS) improved treatment outcomes for lymph node metastasis	Biomedicine and Pharmacotherapy		2024	Arlinbuyan, Sukhbaatar, Shiro, Mori, Tsuyoshi, Sugjura, Tetsuya, Kodama	No
Mn-single-atom nano-multizyme-enabled NIR-II photoacoustically monitored, photothermally enhanced ROS storm for combined cancer therapy	Biomaterials Research		2023	Xiaozhe, Wang, Xiaofeng, Ren, Jie, Yang, Zican, Zhao, Xiaoyu, Zhang, Fan, Yang, Zheyue, Zhang, Peng, Chen, Liping, Li, Ruiping, Zhang	No
Local Magnetic Hyperthermia and Systemic Gemcitabine/Paclitaxel Chemotherapy Triggers Neo-Angiogenesis in Orthotopic Pancreatic Tumors without Involvement of Auto/Paracrine Tumor Cell VEGF Signaling and Hypoxia	Cancers		2024	Wisdom O., Maduabuchi, Felista L., Tansi, Bernd, Faenger, Paul, Southern, Quentin A., Pankhurst, Frank, Steinger, Martin, Westermann, Ingrid, Hilger	No
CD73 controls Myosin II-driven invasion, metastasis, and immunosuppression in amoeboid pancreatic cancer cells		https://www.science.org	2023	Remi, Samain, Oscar, Maiques, Joanne, Monger, Hoyin, Lam, Juliana, Candido, Samantha, George, Nicola, Ferrari, Leonie, Kohhammer, Sophia, Lunetto, Adrian, Varela, Jose L., Orgaz, Felipe, Vilardell, Jorge Juan, Olcina, Xavier, Matias-Guiu, Debashis, Sarker, Adrian, Biddle, Frances R, Balkwill, Jim, Eyles, Robert W, Wilkinson, Hemant M, Kocher, Fernando, Calvo, Claire M, Wells, Victoria, Sanz-Moreno	No
Tumour-microenvironment-responsive Na2S2O8 nanocrystals encapsulated in hollow organosilica-metal-phenolic networks for cycling persistent tumour dynamic therapy	Exploration		2024	Yang, Li, Jinyan, Lin, Yueyang, He, Kaiyuan, Wang, Callin, Huang, Ruifeng, Zhang, Xiaolong, Liu	No
Antitumor Immunity Mediated by Photodynamic Therapy Using Injectable Chitosan Hydrogels for Intratumoral and Sustained Drug Delivery	Biomacromolecules		2024	Plotr, Gierlich, Claire, Donohoe, Kevin, Behan, Daniel J., Kelly, Mathias O., Senge, Ligia C., Gomes-Da-Silva	No
Noninvasive Evaluation of Breast Tumor Response to Combined Ultrasound-Stimulated Microbubbles and Hyperthermia Therapy Using Quantitative Ultrasound-Based Texture Analysis Method	Journal of Ultrasound in Medicine		2024	Deepa, Sharma, Lakshmanan, Sannachi, Laurentius Oscar, Osapoetra, Holliday, Cartar, Wentao, Cui, Anoja, Giles, Gregory J., Czarnota	No
Targeted delivery of organic small-molecule photothermal materials with engineered extracellular vesicles for imaging-guided tumor photothermal therapy	Journal of Nanobiotechnology		2023	Yafang, Dong, Peng, Xia, Xiaolong, Xu, Jing, Shen, Youbin, Ding, Yuke, Jiang, Huifang, Wang, Xin, Xie, Xiaodong, Zhang, Weihua, Li, Zhijie, Li, Jigang, Wang, Shan Chao, Zhao	No
Talinflumate abrogates mucin immune suppressive barrier improving efficacy of gemcitabine and nab-paclitaxel treatment in pancreatic cancer	Journal of Translational Medicine		2023	Antonio, Agostini, Ilaria, Guerriero, Geny, Piro, Giuseppe, Quero, Luca, Roberto, Annachiara, Esposito, Alessia, Caggiano, Lorenzo, Priori, Giulia, Scaglione, Francesco, De Sanctis, Antonella, Sistigu, Martina, Musella, Alberto, Larghi, Gianenrico, Rizzatti, Donatella, Lucchetti, Sergio, Alfieri, Alessandro, Scgambato, Emilio, Bria, Laura, Bizzozero, Sabrina, Arena, Stefano, Ugel, Vincenzo, Corbo, Giampaolo, Tortora, Carmine, Carbone	No
NIR-II light triggered burst-release cascade nanoreactor for precise cancer chemotherapy	Bioactive Materials		2024	Yu Jing, Pan, Yang, Zhang, Biao Qi, Chen, Yi, Zhao, Jin Yang, Wang, Chang Yong, Li, Da Gui, Zhang, Ranjith Kumar, Kankala, Shi Bin, Wang, Gang, Liu, Ai Zheng, Chen	No
Gold nanopod-assisted theranostic solution for nonvisible residual disease in bladder cancer	Proceedings of the National Academy of Sciences	https://pnas.org/doi/10.1073/pnas.2411583121	2024	Paolo, Armanetti, Irene, Locatelli, Chiara, Venegoni, Elisa, Alchera, Beatrice, Campanella, Filippo, Pederzoli, Mirko, Maturi, Erica, Locatelli, Silvia, Tortorella, Flavio, Curmis, Angelo, Corti, Roberto, Luciano, Massimo, Onor, Andrea, Salonia, Francesco, Montorsi, Marco, Moschini, Viktor, Popov, Jithin, Jose, Mauro, Comes Franchini, Ean Hin, Ooi, Luca, Menichetti, Massimo, Alfano	No
TME-Responsive Nanoplatfom with Glutathione Depletion for Enhanced Tumor-Specific Mild Photothermal/Gene/Ferroptosis Synergistic Therapy	International Journal of Nanomedicine	https://www.dovepress.com/tme-responsive-nanoplatfom-with-glutathione-depletio...	2024	Yuhang, Tian, Xiang, He, Yanchi, Yuan, Shijie, Zhang, Chunyue, Wang, Jialin, Dong, Zhao, Liu, Hui, Jing	No
Ginseng extract (Ginsenoside RG3) combined with STING agonist reverses TAM/M2 polarization to inhibit TNBC evolution	Industrial Crops and Products	https://linkinghub.elsevier.com/retrieve/pii/S0926669024015668	2024	Qiang, Fu, Zhongqi, Lu, Ying, Chang, Tiefeng, Jin, Meihua, Zhang	No
Imaging Microbubbles With Contrast-Enhanced Endobronchial Ultrasound	Ultrasound in Medicine and Biology		2024	Sean, McGrath, Yu Jack, Shen, Masato, Aragaki, Yamato, Motooka, Takamasa, Koga, Alexander, Gregor, Nicholas, Bernards, Emmanuel, Cherin, Christine E.M., Demore, Kazuhiro, Yasufuku, Naomi, Matsuura	No
Quantitative Ultrasound for Evaluation of Tumor Response to Ultrasound-Microbubbles and Hyperthermia	Technology in Cancer Research and Treatment		2023	Deepa, Sharma, Holliday, Carter, Lakshmanan, Sannachi, Wentao, Cui, Anoja, Giles, Murtuza, Saifuddin, Gregory J., Czarnota	No
Hepatic safety profile of pancreatic cancer-bearing mice fed a ketogenic diet in combination with gemcitabine	Oncology Letters		2023	Natalia E. Cortez, Cecilia Rodriguez, Lanzi, Payam, Vahmani, Karen, Matsukuma, Gerardo G., Mackenzie	No
Preclinical evaluation of EpCAM-binding designed ankyrin repeat proteins (DARPs) as targeting moieties for bimodal near-infrared fluorescence and photoacoustic imaging of cancer	European Journal of Nuclear Medicine and Molecular Imaging		2023	Ruben D., Houvast, Nada, Badr, Taryn, March, Lysanne D.A.N., de Mynck, Vincent Q., Sier, Timo, Schomann, Shadwin, Bhariosingh, Victor M., Baart, Judith A.H.M., Peeters, Gerard J.P., van Westen, Andreas, Plickthun, Jacobus, Burggraaf, Peter J.K., Kuppen, Alexander L., Vahmeijer, Cornelis F.M., Sier	No
Local and distant response to intratumoral immunotherapy assessed by immunoPET in mice	Journal for immunotherapy of cancer		2023	Louis, Meyblum, Céline, Chevalyre, Sandrine, Susini, Benoit, Jégo, Frederic, Deschamps, Dimitri, Keresseldize, Baptiste, Bonnet, Aurelien, Marabelle, Thierry, de Baere, Vincent, Lebon, Lambros, Tselikas, Charles, Trulliet	No
Establishing a mouse model of lung metastases using ultrasound-guided right heart ventricle injection	STAR Protocols		2023	Amanda, Labora, Amanda, Creech, Hailey, Lee, Erin, Tabornal, Caius, Radu, Timothy, Donahue	No
Inhibition of Galectin-9 sensitizes tumors to anthracycline treatment via inducing antitumor immunity	International Journal of Biological Sciences		2023	Xian, Sun, Wei Jan, Wang, Jilu, Lang, Riyao, Yang, Wan Jiu, Shen, Linlin, Sun, Jung Mao, Hsu, Li Chuan, Chan, Chia Wei, Li, Weiya, Xia, Baozhen, Ke, Guodong, Yao, Kebin, Huang, Pei Chih, Lee, Paul B., Koller, Mien Chie, Hung	No
Antioxidants stimulate BACH1-dependent tumor angiogenesis	Journal of Clinical Investigation		2023	Ting, Wang, Yongqiang, Dong, Zhiqiang, Huang, Guoqing, Zhang, Ying, Zhao, Haidong, Yao, Jianjiang, Hu, Elin, Tüksammel, Huan, Cai, Ning, Liang, Xiufeng, Xu, Xijie, Yang, Sarah, Schmidt, Xi, Qiao, Susanne, Schlisio, Staffan, Strömblad, Hong, Qian, Changtao, Jiang, Eckardt, Treuter, Martin O., Bergo	No
Glucose-responsive enzymatic biomimetic nanodots for H2O2 self-supplied catalytic photothermal/chemodynamic anticancer therapy	Acta Biomaterialia	https://linkinghub.elsevier.com/retrieve/pii/S1742706123006013	2023	Yinghui, Xu, Jiayi, Bian, Xin, Liu, Zhengzheng, Qian, Minghao, Sun, Cheng, Zhang, Ruiyang, Pan, Qitong, Li, Changrui, Sun, Bin, Lin, Kun, Peng, Nan, Lu, Xikuang, Yao, Wenpei, Fan	No
Cancer characterization using light backscattering spectroscopy and quantitative ultrasound: an ex vivo study on sarcoma subtypes	Scientific Reports	https://www.nature.com/articles/s41598-023-43322-4	2023	Cyril, Malinet, Bruno, Montcel, Aurélie, Dutoir, Iveta, Fajnorova, Hervé, Liebgott, Pauline, Muleki-Seya	No
Desmoplastic stroma restricts T cell extravasation and mediates immune exclusion and immunosuppression in solid tumors	Nature Communications		2023	Zebin, Xiao, Leslie, Todd, Li, Huang, Estela, Noguera-Ortega, Zhen, Lu, Lili, Huang, Meghan, Kopp, Yue, Li, Nimisha, Pattada, Wenqun, Zhong, Wei, Guo, John, Scholler, Maria, Liouisa, Charles Antoine, Assenmacher, Carl H., June, Steven M., Albelda, Ellen, Puré	No

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Contrast-enhanced ultrasound imaging for monitoring the efficacy of near-infrared photodynamic therapy	eBioMedicine		2023	Kohei, Matsuoka, Mizuki, Yamada, Noriaki, Fukatsu, Kyochi, Goto, Misae, Shimizu, Ayako, Kato, Yoshimi, Kato, Hiroshi, Yukawa, Yoshinobu, Baba, Mitsuo, Sato, Kazuhide, Sato	No
Tracking adoptive natural killer cells via ultrasound imaging assisted with nanobubbles	Acta Biomaterialia		2023	Yizhou, Jiang, Xuandi, Hou, Xinyi, Zhao, Jianing, Jing, Lei, Sun	No
Synergistic strategy based on mild phototherapy and deep tumor hypoxia reversal comprehensively remodels the tumor microenvironment for improved immunotherapy	Chemical Engineering Journal		2023	Linlin, Tao, Gang, Cheng, Fangnan, Lv, Ruiqi, Wang, Nan, Yang, Zuhang, Xing, Boyu, Gu, Siyuan, Meng, Wei, Xu, Meirong, Huo	No
Nanoparticles (NPs)-mediated Sirt6 silencing and macrophage repolarization for enhanced cancer immunotherapy	Acta Pharmaceutica Sinica B		2023	Xiaodi, Liu, Qi, Zhang, Yixia, Liang, Shiyu, Xiong, Yan, Cai, Jincheng, Cao, Yanni, Xu, Xiaolin, Xu, Ye, Wu, Qiang, Lu, Xiaoding, Xu, Baoming, Luo	No
Driver Mutations of Pancreatic Cancer Affect Ca²⁺ Signaling and ATP Production	Function (Oxford, England)		2023	Kinga B., Stopa, Filip, Łoziński, Agnieszka A., Kusiak, Jacek, Litewka, Daria, Krzysztofik, Sylwester, Mosiolek, Jan, Morys, Paweł E., Ferdek, Monika A., Jakubowska	No
Intralymphatic injection of chemotherapy drugs modulated with glucose improves their anticancer effect	Biomedicine and Pharmacotherapy		2023	Arintubuyan, Sukhbaatar, Shiro, Mori, Kiyoto, Shiga, Tetsuya, Kodama	No
Combining immunotherapy with high-dose radiation therapy (HDRT) significantly inhibits tumor growth in a syngeneic mouse model of high-risk neuroblastoma	Heliyon		2023	Shuobo, Boboila, Shunpei, Okochi, Debarshi, Banerjee, Sunjay, Barton, Cherease, Street, Ariela L., Zenilman, Qi, Wang, Robyn D., Gartrell, Yvonne M., Saenger, David, Welch, Cheng Chia Wu, Angela, Kadene-Chiweshe, Darrell J., Yamashiro, Eileen P., Connolly	No
Bio-inspired self-assembled bacteriochlorin nanoparticles for superior visualization and photothermal ablation of tumors	Biomedicine and Pharmacotherapy		2023	Xiao, Zhang, Yating, Ma, Xiaojian, Zhang, Xin, Pang, Zhileng, Yang	No
The ubiquitin-like protein FAT10 in hepatocellular carcinoma cells limits the efficacy of anti-VEGF therapy by accelerating VEGF-independent angiogenesis	Journal of Advanced Research		2023	Yumin, Qiu, Ben, Che, Wenming, Zhang, Jin, Ge, Dongnian, Du, Jiajuan, Li, Xiaogang, Peng, Jiahua, Shao	No
Polypyrrole Nanosheets Prepared by Rapid In Situ Polymerization for NIR-II Photoacoustic-Guided Photothermal Tumor Therapy	Coatings		2023	Yixin, Xie, Ji, Xu, Hui, Jin, Yunfeng, Yi, Yuqing, Shen, Xiuming, Zhang, Xinxin, Liu, Yanan, Sun, Wei, Shi, Yuan, He, Dongtao, Ge	No
Tyrosine Kinase Inhibitors Diminish Renal Neoplasms in a Tuberosus Sclerosis Model via induction of Apoptosis. Running Title: Inhibiting Mesenchymal Tumors is Therapeutic for LAM and TSC	Molecular Cancer Therapeutics	http://aacrjournals.org/mct/article-pdf/doi/10.1158/1535-7163.MCT-22-0224/33279...	2023	Uchenna, Anachukwu, Jarrod, Sonett, Denzel, Woode, Takayuki, Shiom, Kiran, Chada, Jeanine M, D'Armiento	No
Oxygen therapeutic window induced by myoinositol trispyrophosphate (ITPP)-Local pO₂ study in murine tumors	PLoS ONE		2023	Martyna, Krzykawska-Serda, Dariusz, Szczygiel, Szymon, Gawel, Agnieszka, Drzał, Małgorzata, Szczygiel, Maciej M., Kmieć, Andrzej, Mackiewicz, Claudine, Kieda, Martyna, Elias	No
Cell-cycle dependent nuclear gene delivery enhances the effects of E-cadherin against tumor invasion and metastasis	Signal Transduction and Targeted Therapy		2023	Liting, Xie, Jieqiong, Wang, Liming, Song, Tianan, Jiang, Fei, Yan	No
Dual mode imaging guided multi-functional bio-targeted oxygen production probes for tumor therapy	Journal of Nanobiotechnology		2023	Yaotai, Wang, Zhong, Zhang, Li, Ren, Yong, Luo, Qi, Wang, Jianzhong, Zou	No
Stimulating Antitumoral Immunity by Percutaneous Cryoablation and Combination Immunoadjuvant Therapy in a Murine Model of Hepatocellular Carcinoma.	Journal of vascular and interventional radiology : JVIR	http://www.ncbi.nlm.nih.gov/pubmed/37178816	2023	Tyler, Mandt, Amandip, Bangar, Consuelo, Saucedo, Manasi, Das, Carolyn, Moderbacher, Mansur, Ghani, Nicholas, Webster, Isabel, Newton	No
Tissue factor as a novel diagnostic target for early detection of ovarian cancer using ultrasound microbubbles	Gynecologic Oncology	https://doi.org/10.1016/j.ygyno.2023.04.008	2023	Meghan M., Newcomer, Kalpana Deepa Priya, Dorayappan, Vincent, Wagner, Adrian A., Suarez, Corinne A., Calo, Eileen L., Kalmar, G. Larry, Maxwell, David, O'Malley, David E., Cohn, Michael F., Tweedle, Karuppaiyah, Selvendiran	No
A self-charging salt water battery for antitumor therapy		https://www.science.org	2023	Jianhang, Huang, Peng, Yu, Mochou, Liao, Xiaoli, Dong, Jie, Xu, Jiang, Ming, Duan, Bin, Yonggang, Wang, Fan, Zhang, Yongyao, Xia	No
Molecular Ultrasound Imaging Depicts the Modulation of Tumor Angiogenesis by Acetylsalicylic Acid	International Journal of Molecular Sciences		2023	Flurin, Mueller-Diesing, Wiltrud, Lederle, Anne, Rix, Susanne, Koletnik, Dennis, Doleschel, Maximilian, Snelting, Felix, Gremse, Fabian, Kiessling	No
Proton boron capture therapy (PBCT) induces cell death and mitophagy in a heterotopic glioblastoma model	Communications biology		2023	Francesco Paolo, Cammarata, Filippo, Torrisi, Nunzio, Vicario, Valentina, Bravatà, Alessandro, Stefano, Lucia, Salvatorelli, Simona, D'Aprile, Pierangela, Giustetto, Giusi Irma, Forte, Luigi, Minafra, Marco, Calvaruso, Selene, Richiusa, Giuseppe Antonio Pablo, Cirone, Giada, Petringa, Giuseppe, Broggi, Sebastiano, Cosentino, Fabrizio, Scopelliti, Gaetano, Magro, Danilo, Porro, Massimo, Libra, Massimo, Ippolito, Giorgio, Russo, Rosalba, Parenti, Giacomo, Cuttone	No
Treatment of hepatocellular carcinoma by multimodal in situ vaccination using cryoablation and a plant virus immunostimulant	Journal of Vascular and Interventional Radiology	https://linkinghub.elsevier.com/retrieve/pii/S1051044323002282	2023	Mansur A., Ghani, Amandip, Bangar, Yunpeng, Yang, Eunkeyong, Jung, Consuelo, Saucedo, Tyler, Mandt, Sarabsh, Shukla, Nicholas J. G., Webster, Nicole F., Steinmetz, Isabel G., Newton	No
Exosomes secreted from cardiomyocytes suppress the sensitivity of tumor ferroptosis in ischemic heart failure	Signal transduction and targeted therapy		2023	Ye, Yuan, Zhongting, Mei, Zhezhe, Qu, Guanghui, Li, Shuting, Yu, Yingqi, Liu, Kuifu, Liu, Zhihua, Shen, Jiaying, Pu, Yanzuan, Wang, Changhao, Wang, Zhiyong, Sun, Qian, Liu, Xiaochen, Pang, Ao, Wang, Zijing, Ren, Tong, Wang, Ying, Liu, Jinhuan, Hong, Jiajie, Xie, Xin, Li, Zhonghua, Wang, Weijie, Du, Baofeng, Yang	No
pH/thermal dual-responsive multifunctional drug delivery system for effective photoacoustic imaging-guided tumor chemo/photothermal therapy	APL Bioengineering		2023	Jun, Wang, Yanyan, Wu, Kai, Liu, Weitao, Yang, Weiwei, Zeng, Xiaolong, Gao, Shiyuan, Liu, Bingbo, Zhang	No
Effects of Large Extracellular Vesicles from Kidney Cancer Patients on the Growth and Environment of Renal Cell Carcinoma Xenografts in a Mouse Model	Current Issues in Molecular Biology		2023	Matthieu, Ferragu, Luisa, Vergori, Vincent, Le Corre, Sarah, Bellal, Maria, del Carmen Martinez, Pierre, Bigot	No
MUG CCArly: A Novel Autologous 3D Cholangiocarcinoma Model Presents an Increased Angiogenic Potential	Cancers		2023	Silke, Schrom, Florian, Kleinegger, Ines, Anders, Thomas, Hebesberger, Christina, Karner, Laura, Liesinger, Ruth, Birner-Gruenberger, Wilfried, Renner, Martin, Pichler, Regina, Grillari, Ariane, Aigelsreiter, Beate, Rinner	No
Mesocrystalline ZnS nanoparticles-augmented sonocatalytic full water splitting into H₂/O₂ for immunostimulating deep tumor	Biomaterials		2023	Chao, Xia, Anbang, Wu, Zhoukui, Jin, Lingting, Zeng, Lingdong, Jiang, Qingqing, Xu, Mingjian, Fan, Qianjun, He	No
Hypoxia-Responsive Aggregation of Gold Nanoparticles for Near-Infrared-II Photoacoustic Imaging-Guided Enhanced Radiotherapy	Langmuir		2022	Huafeng, Geng, Ke, Chen, Lu, Cao, Luntao, Liu, Yue, Huang, Junbao, Liu	No
Biomimetic nanoparticles for effective mild temperature photothermal therapy and multimodal imaging	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2022.05.010	2022	Xian, Shu, Yi, Chen, Ping, Yan, Yun, Xiang, Qun Ying, Shi, Tinghui, Yin, Ping, Wang, Li Han, Liu, Xintao, Shuai	No
Multivalent Polypeptide and Tannic Acid Cooperatively Iron-Coordinated Nanohybrids for Synergistic Cancer Photothermal Ferroptosis Therapy	Biomacromolecules		2022	Meng, He, Chang, Du, Jindong, Xia, Zhi Gang, Zhang, Chang Ming, Dong	No
Surfactant-Free Green Synthesis of Au@Chlorophyll Nanopods for NIR PDT-Elicited CDT in Bladder Cancer Therapy	ACS Applied Bio Materials		2022	Mei Yi, Liao, Tzu Chi, Huang, Yu Cheng, Chin, Ting Yu, Cheng, Geng Min, Lin	No
Theranostic nanosystem with supramolecular self-assembly for enhanced reactive oxygen species-mediated apoptosis guided by dual-modality tumor imaging	Pharmacological Research	https://doi.org/10.1016/j.phrs.2022.106241	2022	Dan, Yan, Haili, Zhang, Xiao, Xu, Chunling, Ren, Chao, Han, Zhongrui, Li	No
Polydopamine-coated laponite nanoplateforms for photoacoustic imaging-guided chemo-phototherapy of breast cancer	Nanomaterials		2021	Renna, Liu, Fanli, Xu, Lu, Wang, Mengxue, Liu, Xueyan, Cao, Xiangyang, Shi, Rui, Guo	No

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Tumor Microenvironment-Responsive Yolk-Shell NaCl@Virus-Inspired Tetrasulfide-Organosilica for Ion-Interference Therapy via Osmolarity Surge and Oxidative Stress Amplification	ACS Nano		2021	Yang, Li, Jinyan, Lin, Peiyuan, Wang, Fukai, Zhu, Ming, Wu, Qiang, Luo, Yun, Zhang, Xiaolong, Liu	No
Unchecked oxidative stress in skeletal muscle prevents outgrowth of disseminated tumour cells	Nature Cell Biology		2022	Sarah B., Crist, Travis, Nemkov, Ruth F., Dumpit, Jinxiang, Dai, Stephen J., Tapscott, Lawrence D., True, Alexander, Swarbrick, Lucas B., Sullivan, Peter S., Nelson, Kirk C., Hansen, Cyrus M., Ghajar	No
IFNα Potentiates Anti-PD-1 Efficacy by Remodeling Glucose Metabolism in the Hepatocellular Carcinoma Microenvironment	Cancer Discovery		2022	Bo, Hu, Mincheng, Yu, Xiaolu, Ma, Jialei, Sun, Chenglong, Liu, Chunyan, Wang, Suiyi, Wu, Peiyao, Fu, Zhen, Yang, Yungang, He, Yuanyuan, Zhu, Cheng, Huang, Xinrong, Yang, Yinghong, Shi, Shuangjian, Qiu, Huichuan, Sun, Andrew X., Zhu, Jian, Zhou, Yang, Xu, Di, Zhu, Jia, Fan	No
Identification of a Vitamin-D Receptor Antagonist, MeTC7, which Inhibits the Growth of Xenograft and Transgenic Tumors in Vivo	Journal of Medicinal Chemistry		2022	Negar, Khazan, Kyu Kwang, Kim, Jeanne N., Hansen, Niloy A., Singh, Taylor, Moore, Cameron W.A., Snyder, Ravina, Pandita, Myla, Strawderman, Michiko, Fujihara, Yuta, Takamura, Ye, Jian, Nicholas, Battaglia, Naohiro, Yano, Yuki, Teramoto, Leggy A., Arnold, Russell, Hopson, Keshav, Kishor, Sneha, Nayak, Debasmita, Ojha, Ashoke, Sharon, John M., Ashton, Jian, Wang, Michael T., Milano, Hiroshi, Miyamoto, David C., Linehan, Scott A., Gerber, Nada, Kawar, Ajay P., Singh, Erdem D., Tabdanov, Nikolay V., Dokholyan, Hiroki, Kakuta, Peter W., Jurako, Nina F., Schor, Rachael B., Rowswell-Turner, Rakesh K., Singh, Richard G., Moore	No
Concerted BAG3 and SIRPα blockade impairs pancreatic tumor growth	Cell Death Discovery		2022	Margot, De Marco, Vanessa, Gauttier, Sabrina, Pengam, Caroline, Mary, Bianca, Ranieri, Anna, Basile, Michela, Festa, Antonia, Falco, Francesca, Reppucci, Anna Lisa, Cammarota, Fausto, Acernese, Vincenzo, De Laurenzi, Gianluca, Sala, Sergio, Brongo, Masayuki, Miyasaka, Shabnam, Shalapur, Bernard, Vanhove, Nicolas, Poirier, Roberta, Iaccarino, Michael, Karin, Maria Caterina, Turco, Alessandra, Rosati, Liberato, Marzullo	No
Ultrasound-triggered microbubble destruction enhances the radiosensitivity of glioblastoma by inhibiting PGRMC1-mediated autophagy in vitro and in vivo	Military Medical Research		2022	Ying, He, Xun Hu, Dong, Qiong, Zhu, Ya Li, Xu, Ming Liang, Chen, Zheng, Liu	No
T Cell-Mediated Antitumor Immunity Cooperatively Induced by TIGFB1 Antagonism and Gemcitabine Counteracts Reformation of the Stromal Barrier in Pancreatic Cancer	Molecular Cancer Therapeutics		2021	Dandan, Li, Nicholas, Schaub, Theresa M., Guerin, Tashinga E., Bapiro, Frances M., Richards, Vicky, Chen, Keyur, Talsania, Parimal, Kumar, Debra J., Gilbert, Jerome J., Schlomer, Seong Jin, Kim, Rebecca, Sorber, Yaroslav, Teper, Wendy, Bautista, Claudia, Palena, Chan Young, Ock, Duncan I., Jodrell, Nathan, Pate, Monika, Mehta, Yongmei, Zhao, Serguei, Kozlov, Udo, Rudloff	No
Enzyme-Engineered Conjugated Polymer Nanopatform for Activatable Companion Diagnostics and Multistage Augmented Synergistic Therapy	Advanced Materials		2022	Jiayingzi, Wu, Yafei, Zhang, Kejia, Jiang, Xiaoyu, Wang, Nicholas Thomas, Blum, Jing, Zhang, Shanshan, Jiang, Jing, Lin, Peng, Huang	No
Effect of Ultrasound-Stimulated Microbubbles and Hyperthermia on Tumor Vasculature of Breast Cancer Xenograft	Journal of Ultrasound in Medicine		2022	Deepa, Sharma, Holliday, Cartar, Karina, Quiaoit, Niki, Law, Anoja, Giles, Gregory J., Czarnota	No
Use of an antagonist of HMGB1 in mice affected by malignant mesothelioma: a preliminary ultrasound and optical imaging study	European Radiology Experimental		2022	Massimo, Venturini, Rosanna, Mezzapelle, Salvatore, La Marca, Laura, Perani, Antonello, Spinelli, Luca, Crippa, Anna, Colarieti, Anna, Palmisano, Paolo, Marra, Andrea, Coppola, Federico, Fontana, Giulio, Carcano, Carlo, Tacchetti, Marco, Bianchi, Antonio, Esposito, Massimo P., Crippa	No
Ketogenic diet and chemotherapy combine to disrupt pancreatic cancer metabolism and growth	Med	https://linkinghub.elsevier.com/retrieve/pii/S2666634021004098	2022	Lifeng, Yang, Tara, TeSlaa, Serina, Ng, Michel, Nofal, Lin, Wang, Tajjin, Lan, Xianfeng, Zeng, Alexois, Cowan, Matthew, McBride, Wenyun, Lu, Shawn, Davidson, Gaoyang, Liang, Tae Gyu, Oh, Michael, Downes, Ronald, Evans, Daniel, Von Hoff, Jessie Yanxiang, Guo, Haiyong, Han, Joshua D., Rabinowitz	No
Chorioallantoic membrane (CAM) assay to study treatment effects in diffuse intrinsic pontine glioma	PLoS ONE	http://dx.doi.org/10.1371/journal.pone.0263822	2022	Erica A., Power, Jenelys, Fernandez-Torres, Liang, Zhang, Ruiyi, Yuan, Fabrice, Lucien, David J., Daniels	No
Preventing Metastasis Using Gold Nanorod-Assisted Plasmonic Photothermal Therapy in Xenograft Mice	Bioconjugate Chemistry		2022	Moustafa R.K., Ali, Paige E., Warner, Anthony M., Yu, Ming, Tong, Tiegang, Han, Yan, Tang	No
Cu-Doped black phosphorus quantum dots as multifunctional Fenton nanocatalyst for boosting synergistically enhanced H₂O₂-guided and photothermal chemodynamic cancer therapy	Nanoscale		2022	Haimei, Li, Yaofa, Liu, Shulan, Li, Silong, Zhang, Biao, Huang, Ran, Cui, Yi, Liu, Peng, Jiang	No
A microenvironment-responsive FePt probes for imaging-guided Fenton-enhanced radiotherapy of hepatocellular carcinoma	Journal of Nanobiotechnology	https://doi.org/10.1186/s12951-022-01305-z	2022	Xingyang, Zhao, Xiang, Sun, Wenchao, Huang, Ronghe, Chen, Kang, Chen, Liming, Nie, Chihua, Fang	No
Inhibition of myeloid PD-L1 suppresses osteoclastogenesis and cancer bone metastasis	Cancer Gene Therapy		2022	Hao, Zuo, Yihong, Wan	No
Development of Preclinical Ultrasound Imaging Techniques to Identify and Image Sentinel Lymph Nodes in a Cancerous Animal Model	Cancers		2022	Marion, Bacou, Vidya, Rajasekaran, Adrian, Thomson, Sandra, Sjöstrand, Katarzyna, Kaczmarek, Anna Maria, Ochocka-Fox, Adam D., Gerrard, Susan, Moug, Tomas, Jansson, Helen, Mulvana, Carmel M., Moran, Susan M., Farrington	No
DNA-assembled visible nanofibrils with explosive hydrogen-bond breakage achieving uniform intra-tumor distribution (UITD)-guided photothermal therapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2022.121381	2022	Yongming, Zhang, Yanna, Cui, Mingwang, Li, Kai, Cui, Ruike, Li, Wenhui, Xie, Liu, Liu, Zeyu, Xiao	No
Method To Visualize the Intratumor Distribution and Impact of Gemcitabine in Pancreatic Ductal Adenocarcinoma by Multimodal Imaging	Analytical Chemistry		2022	Nicole, Strittmatter, Frances M., Richards, Alan M., Race, Stephanie, Ling, Daniel, Sutton, Anna, Nilsson, Yann, Walliez, Jennifer, Barnes, Gareth, Maglennon, Aarhi, Gopinathan, Rebecca, Brats, Edmond, Wong, Maria Paola, Serra, James, Atkinson, Aaron, Smith, Joanne, Wilson, Gregory, Hamm, Timothy I., Johnson, Charles R., Dunlop, Brajesh P., Kaistha, Josephine, Bunch, Owen J., Sansom, Zoltan, Takats, Per E., Andréh, Alan, Lau, Simon T., Barry, Richard J.A., Goodwin, Duncan I., Jodrell	No
PEGPH20, a PEGylated human hyaluronidase, induces radiosensitization by reoxygenation in pancreatic cancer xenografts. A molecular imaging study	Neoplasia (United States)		2022	Tomohiro, Seki, Yu, Saïda, Shun, Kishimoto, Jisook, Lee, Yasunori, Otowa, Kazutoshi, Yamamoto, Gadiseti VR, Chandramouli, Nallathambiy, Devasahayam, James B., Mitchell, Murali C., Krishna, Jeffery R., Breder	No
Targeting PI3K/AKT Pathway Remodels LC3-Associated Phagocytosis Induced Immunosuppression After Radiofrequency Ablation	Advanced Science		2022	Xiaodi, Liu, Wenyue, Zhang, Yanni, Xu, Xiaolin, Xu, Qionghao, Jiang, Jingliang, Ruan, Ye, Wu, Yingshi, Zhou, Phei Er, Saw, Baoming, Luo	No
In vivo imaging of nanoparticle-labeled CAR T cells	Proceedings of the National Academy of Sciences of the United States of America		2022	Louise, Kiru, Aimen, Ziltni, Aidan Michael, Touseley, Guillermo Nicolás, Dalton, Wei, Wu, Famyrah, Lafortune, Anna, Liu, Kristen May, Cunanan, Hossein, Nejadnik, Todd, Sulchek, Michael Eugene, Moseley, Robbie G., Majzner, Heike Elisabeth, Daldrop-Link	No
Tailoring a Near-Infrared Macrocyclization Scaffold Allows the Control of In Situ Self-Assembly for Photoacoustic/PET Bimodal Imaging	Angewandte Chemie - International Edition		2022	Yupi, Wang, He, Bai, Yinying, Miao, Jianhui, Weng, Zheng, Huang, Jiayu, Fu, Yan, Zhang, Jianguo, Lin, Deju, Ye	No
Theranostic Nanopatform with Sequential SDT and ADV Effects in Response to Well-Programmed LIFU Irradiation for Cervical Cancer	International Journal of Nanomedicine		2021	Jun, Zhou, Jingxin, Hou, Shuling, Liu, Jie, Xu, Ying, Luo, Jun, Zheng, Xin, Li, Zhiqiang, Wang, Haitao, Ran, Dajing, Guo	No
Multifunctional Polymeric Nanoparticles for Chemo/Phototheranostics of Retinoblastoma	ACS Biomaterials Science and Engineering		2022	Sushma Venkata, Mudigunda, Deepak B., Pemmaraju, Shivangi, Paradar, Eswara Rao, Puppala, Basveshwar, Gawali, Suryanarayana Murty, Upadhayayula, Naidu, Vegi Gangamodi, Aravind Kumar, Rengan	No

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A hydrogen peroxide economizer for on-demand oxygen production-assisted robust sonodynamic immunotherapy	Theranostics		2022	Qinjin, Jiang, Bin, Qiao, Xiaohong, Lin, Jin, Cao, Nan, Zhang, Huanling, Guo, Weiwei, Liu, Lingyu, Zhu, Xue, Xie, Li, Wan, Rui, Tang, Bing, Liang, Dong, Wang, Zhigang, Wang, Yang, Zhou, Hai Tao, Ran, Pan, Li	No
A Multifunctional Layered Nickel Silicate Nanogenerator of Synchronous Oxygen Self-supply and Superoxide Radical Generation for Hypoxic Tumor Therapy	ACS Nano		2022	Xiaoyu, Huang, Wei, Zhang, Yaowei, Peng, Lu, Gao, Fu, Wang, Lan, Wang, Xunbin, Wei	No
Thoracic Neuroblastoma: A Novel Surgical Model for the Study of Extra-adrenal Neuroblastoma	In Vivo		2022	Christa N., Grant, Carson A., Walls, Xiaoming, Liu, Vladimir S., Spiegelman, Hong Gang, Wang	No
Dihydroartemisinin reduced lipid droplet deposition by YAP1 to promote the anti-PD-1 effect in hepatocellular carcinoma	Phytomedicine	https://doi.org/10.1016/j.phymed.2021.153913	2022	Liyuan, Hao, Yinglin, Guo, Qing, Peng, Zhiqin, Zhang, Jingmin, Ji, Yiwei, Liu, Yu, Xue, Caige, Li, Kangning, Zheng, Xinli, Shi	No
Statins enhance the chemosensitivity of R-CHOP in diffuse large B-cell lymphoma	Leukemia and Lymphoma	https://doi.org/10.1080/10428194.2021.2020782	2022	Sushanth, Gouni, Paolo, Strati, Gokce, Toruner, Akanksha, Aradhya, Ralf, Landgraf, Daniel, Bilbao, Francisco, Vega, Nitin Kumar, Agarwal	No
AXL targeting by a specific small molecule or monoclonal antibody inhibits renal cell carcinoma progression in an orthotopic mice model	Physiological Reports		2021	Tony J., Chen, Piotr, Mydel, Malgorzata, Benedyk-Machaczka, Marta, Kamińska, Urszula, Kalucka, Magnus, Blo, Jessica, Furriol, Gro, Gausdal, James, Lorens, Tarig, Osman, Hans Peter, Marti	No
A core-shell Au@Cu₂-xSe heterogeneous metal nanocomposite for photoacoustic and computed tomography dual-imaging-guided photothermal boosted chemodynamic therapy	Journal of Nanobiotechnology	https://doi.org/10.1186/s12951-021-01159-x	2021	Le, Zhang, Chunjuan, Jiang, Bing, Li, Zhengwang, Liu, Bingxin, Gu, Simin, He, Panli, Li, Yun, Sun, Shaoli, Song	No
Intra-tumoral nerve-tracing in a novel syngeneic model of high-grade serous ovarian carcinoma	Cells		2021	Jeffrey L., Barr, Allison, Kruse, Anthony C., Restaino, Natalia, Tulina, Sarah, Stuckelberger, Samuel J., Vermeer, Caitlin S., Williamson, Daniel W., Vermeer, Marianna, Madeo, Jillian, Stamp, Maria, Bell, Mark, Morgan, Ju Yoon, Yoon, Marilyn A., Mitchell, Anna, Budina, Dalia K., Omran, Lauren E., Schwartz, Ronny, Drapkin, Paola D., Vermeer	No
Photoacoustic imaging of periorbital skin cancer ex vivo: unique spectral signatures of malignant melanoma, basal, and squamous cell carcinoma	Biomedical Optics Express		2022	Magne Tordengen, Stridh, Jenny, Hult, Aboma, Merdasa, John, Albinsson, Agnes, Pekar-Lukacs, Bodil, Gesslein, Ulf, Dahlstrand, Karl, Engelsberg, Johanna, Berggren, Magnus, Cinthio, Rafi, Sheikh, Malin, Malmström	No
Natural Killer Cell Membrane-Cloaked Virus-Mimicking Nanogenerator with NIR-Triggered Shape Reversal and C₂/OH Storm for Synergistic Thermodynamic-Chemodynamic Therapy	Advanced Science		2022	Jinyan, Lin, Yang, Li, Peiyuan, Wang, Ming, Wu, Fukai, Zhu, Yun, Zhang, Zhenqing, Hou, Jingfeng, Liu, Xiaolong, Liu	No
Expression and purification of a native Thy1-single-chain variable fragment for use in molecular imaging	Scientific Reports	https://doi.org/10.1038/s41598-021-02445-2	2021	Natacha, Jugniot, Rakesh, Bam, Ramasamy, Paulmurugan	No
A novel targeted multifunctional nanoplatfor for visual chemo-hyperthermia synergy therapy on metastatic lymph nodes via lymphatic delivery	Journal of Nanobiotechnology	https://doi.org/10.1186/s12951-021-01186-8	2021	Weiwei, Liu, Xiaoping, Ye, Lingyun, He, Juan, Cheng, Wenpei, Luo, Min, Zheng, Yaqin, Hu, Wei, Zhang, Yang, Cao, Haitao, Ran, Lu, Yang	No
Ultrasound Scattering From Cell-Pellet Biophantoms and Ex Vivo Tumors Provides Insight Into the Cellular Structure Involved in Scattering	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control		2022	Pauline, Muleki-seya, William D O, Brien, Life, Fellow, I I, Introduction	No
Detection and Characterization of Sentinel Lymph Node by Ultrasound Molecular Imaging with B7 - H3 - Targeted Microbubbles in Orthotopic Breast Cancer Model in Mice	Molecular Imaging and Biology	https://doi.org/10.1007/s11307-021-01680-3	2022	Zhongqian, Hu, Sunitha V, Bachawal, Xuelin, Li, Huaijun, Wang, Katherine E, Wilson, Pan, Li, Ramasamy, Paulmurugan	No
Acidic TME-Responsive Nano-Bi₂Se₃@MnCaP as a NIR-II-Triggered Free Radical Generator for Hypoxia-Irrelevant Phototherapy with High Specificity and Immunogenicity	Small		2021	Yongcan, Li, Honglian, Yu, Junjie, Ren, Guangjie, Lu, Yang, Cao, Zhigang, Xu, Yuejun, Kang	No
fractionated radiotherapy for high- grade gliomas				Guido, Frosina, Vincenzo, Fontana, Daniela, Verzola, Alessandra, Rosa, Gabriele, Gaggero, Giacomo, Garibotto, Stefano, Vagge, Simona, Pigozzi, Antonio, Daga	No
ATR inhibition enables complete tumour regression in ALK-driven NB mouse models	Nature Communications		2021	Joanna, Szydzik, Dan E., Lind, Badrul, Arefin, Yeshwant, Kurte, Ganesh, Umaphathy, Joachim Tetteh, Siaw, Arne, Claeys, Jonatan L, Gabre, Jimmy, Van den Eynden, Bengt, Halberg, Ruth H., Palmer	No
Ultrasound (US)-activated redox dyshomeostasis therapy reinforced by immunogenic cell death (ICD) through a mitochondrial targeting liposomal nanosystem	Theranostics		2021	Junjie, Ren, Jing, Zhou, Han, Liu, Xiaodan, Jiao, Yang, Cao, Zhigang, Xu, Yuejun, Kang, Peng, Xue	No
Effects of contrast-enhanced ultrasound treatment on neoadjuvant chemotherapy in breast cancer	Theranostics		2021	Anne, Rix, Marion, Piepenbrock, Barbara, Flege, Saskia, von Stillfried, Patrick, Koczera, Tatjana, Opacic, Nina, Simons, Peter, Boor, Sven, Thoröe-Boveleth, Roel, Deckers, Jan Niklas, May, Twan, Lammers, Georg, Schmitz, Elmar, Stickleler, Fabian, Kiessling	No
Photoacoustic nanodroplets for oxygen enhanced photodynamic therapy of cancer	Photoacoustics	https://doi.org/10.1016/j.pacs.2021.100306	2022	Marvin, Xavierselvan, Jason, Cook, Jeanne, Duong, Nashedi, Diaz, Kimberly, Homan, Srivalleesha, Mallidi	No
Gold nanoparticles conjugated with DNA aptamer for photoacoustic detection of human matrix metalloproteinase-9	Photoacoustics	https://doi.org/10.1016/j.pacs.2021.100307	2022	Jinhan, Kim, Anthony M., Yu, Kelsey P., Kubelick, Stanislaw Y., Emelianov	No
Proteomics reveal cap-dependent translation inhibitors remodel the translation machinery and translatoe	Cell Reports	https://doi.org/10.1016/j.celrep.2021.109806	2021	J.J.David, Ho, Tyler A., Cunningham, Paola, Manara, Caroline A., Coughlin, Artavazd, Arumov, Evan R., Roberts, Ashanti, Ostsen, Preet, Kumar, Daniel, Bilbao, Jonathan R., Krieger, Stephen, Lee, Jonathan H., Schatz	No
Catalase Nanocrystals Loaded with Methylene Blue as Oxygen Self-Supplied, Imaging-Guided Platform for Photodynamic Therapy of Hypoxic Tumors	Small		2021	Renbin, Zhou, Tymish Y., Ohulchansky, Hao, Xu, Roman, Ziniuk, Junle, Qu	No
PEGylated Indium Nanoparticles: A Metallic Contrast Agent for Multiwavelength Photoacoustic Imaging and Second Near-Infrared Photothermal Therapy	ACS Applied Materials and Interfaces		2021	Yu, Chen, Haitao, Wu, Hu, Zhou, Zhaohua, Miao, Fengai, Hong, Qingliang, Zhao, Zhenchao, Tao, Yan, Ma, Weidong, Zhao, Zhengbao, Zha	No
Intratumoral injection of TLR9 agonist promotes an immunopermissive microenvironment transition and causes cooperative antitumor activity in combination with anti-PD1 in pancreatic cancer	Journal for ImmunoTherapy of Cancer		2021	Carmine, Carbone, Geny, Piro, Antonio, Agostini, Pietro, Delfino, Francesco, De Sanctis, Vincenzo, Nasca, Francesco, Spallotta, Claudio, Sette, Maurizio, Martini, Stefano, Ugel, Vincenzo, Corbo, Paola, Cappello, Emilio, Bria, Aldo, Scarpa, Giampaolo, Tortora	No
In vivo assessment of prostate cancer response using quantitative ultrasound characterization of ultrasonic scattering properties	BMC Cancer		2021	Deepa, Sharma, Laurentius Oscar, Osapoetra, Mateusz, Faltyn, Anojia, Giles, Martin, Stanzis, Gregory J., Czarnota	No
EGFR-Targeted ImmunoPET of UMUC3 Orthotopic Bladder Tumors	Molecular Imaging and Biology	https://doi.org/10.1007/s11307-022-01708-2	2022	Tran T., Hoang, Komal, Mandleywala, Tara, Viray, Kel Vin, Tan, Jason S., Lewis, Patricia M.R., Perera	No
Intracellular vesicle entrapment of nanobubble ultrasound contrast agents targeted to PSMA promotes prolonged enhancement and stability in vivo and in vitro	Nanotheranostics		2022	Reshani H., Perera, Eric, Abenojar, Pinunta, Nittayacharn, Xinning, Wang, Gopal, Ramamurthy, Pubudu, Peiris, Ilya, Bederman, James P., Basilion, Agata A., Exner	No
Magnetite Fe₃O₄ nanoparticles enhance mild microwave ablation of tumor by activating the IRE1-ASK1-JNK pathway and inducing endoplasmic reticulum stress	International Journal of Nanomedicine		2021	Shuai, Li, Yi, Liu, Xinyi, Liu, Bin, Lan, Wanwan, Li, Fang, Guo	No
Ultrasound-Guided Microbubble-Mediated Locoregional Delivery of Multiple MicroRNAs Improves Chemotherapy in Hepatocellular Carcinoma	Nanotheranostics		2022	Huajun, Wang, Zhongqian, Hu, Uday Kumar, Sukumar, Rajendran J.C., Bose, Arseni, Telichko, Jeremy J., Dahl, Ramasamy, Paulmurugan	No
Simvastatin-loaded liposome nanoparticles treatment for uterine leiomyoma in a patient-derived xenograft mouse model: a pilot study	Journal of Obstetrics and Gynaecology	https://doi.org/10.1080/01443615.2022.2033964	2022	Malak, El Sabeh, Kathleen L., Vincent, Sadia, Afrin, Massoud, Motamedi, Jamal, Saada, Jinping, Yang, Bulent, Ozpatal, Gokhan S., Kilic, Mostafa A., Borahay	No

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Magnetic microspheres can be used for magnetic particle imaging of cancer cells arrested in the mouse brain	Magnetic Resonance in Medicine		2022	Kierstin P., Melo, Ashley V., Makela, Natasha N., Knier, Amanda M., Hamilton, Paula J., Foster	No
The therapeutic effect of second near-infrared absorbing gold nanorods on metastatic lymph nodes via lymphatic delivery system	Pharmaceutics		2021	Adewale O., Oladipo, Thabang C., Lebepe, Vuyelwa, Ncapayi, Ncediwe, Tsokile, Sundararajan, Parani, Sandile P., Songca, Shiro, Mori, Tetsuya, Kodama, Oluwatobi S., Oluwafemi	No
Gain-of-function p53R172H mutation drives accumulation of neutrophils in pancreatic tumors, promoting resistance to immunotherapy	Cell Reports		2021	Despina, Siolas, Emily, Vucic, Emma, Kurz, Cristina, Hajdu, Dafna, Bar-Sagi	No
GM-CSF drives myelopoiesis, recruitment and polarisation of tumour-associated macrophages in cholangiocarcinoma and systemic blockade facilitates antitumour immunity	Gut		2021	Luis I, Ruffolo, Katherine M, Jackson, Peyton C, Kuhlers, Benjamin S, Dale, Nathania M, Figueroa Guilliani, Nicholas A, Ullman, Paul R, Burchard, Shuyang S, Qin, Peter G, Juwiler, Jessica Millian, Kellson, Ashley B, Morrison, Mary, Georger, Rachel, Jewell, Laura M, Calvi, Timothy M, Nywening, Michael R, O'Dell, Aram F, Hezel, Luis, De Las Casas, Gregory B, Lesinski, Jen Jen, Yeh, Roberto, Hernandez-Alejandro, Brian A, Belt, David C, Linehan	No
A 10% Tomato Diet Selectively Reduces Radiation-Induced Damage in TRAMP Mice	The Journal of Nutrition	https://academic.oup.com/jn/article/151/11/3421/6350124	2021	Joe L. Rowles, Matthew A. Wallig, Kimberly A. Selting, Timothy M. Fan, Rita J. Miller, William D. O'Brien, John W. Erdman	No
Multi-directed dual-photosensitizers co-assemblies for multimodal imaging-guided self-enhanced phototherapy	Materials Science and Engineering C	https://doi.org/10.1016/j.msec.2021.112351	2021	Jinxue, Liu, Wenbao, Zuo, Quanyi, Jin, Chen, Liu, Nian, Liu, Haina, Tian, Xuan, Zhu	No
Sonopermeation with Nanoparticle-Stabilized Microbubbles Reduces Solid Stress and Improves Nanomedicine Delivery to Tumors	Advanced Therapeutics		2021	Einar, Sulheim, Ingunn, Hanson, Sofie, Snipstad, Krister, Vikedal, Yrr, Mørch, Yves, Boucher, Catharina de Lange, Davies	No
Acoustically Detonated Microbubbles Coupled with Low Frequency Insonation: Multiparameter Evaluation of Low Energy Mechanical Ablation	Bioconjugate Chemistry		2021	Mike, Bismuth, Sharon, Katz, Hagar, Rosenblatt, Maayan, Twito, Ramona, Aronovich, Tali, Ilovitsh	No
Hydralazine augmented ultrasound hyperthermia for the treatment of hepatocellular carcinoma	Scientific Reports	https://doi.org/10.1038/s41598-021-94323-0	2021	Mrigendra B., Karmacharya, Laith R., Sultan, Stephen J., Hunt, Chandra M., Sehgal	No
Multifunctional nanozyme for multimodal imaging-guided enhanced sonodynamic therapy by regulating the tumor microenvironment	Nanoscale		2021	Shuling, Liu, Wei, Zhang, Qiaoqi, Chen, Jingxin, Hou, Junrui, Wang, Yixin, Zhong, Xingyue, Wang, Weixi, Jiang, Haitao, Ran, Dajing, Guo	No
Combining sonodynamic therapy with chemoradiation for the treatment of pancreatic cancer	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2021.07.020	2021	Richard J., Browning, Sarah, Able, Jia Ling, Ruan, Luca, Bau, Philip D., Allen, Veerle, Kersemanis, Sheena, Wallington, Paul, Kinchesh, Sean, Smart, Christiana, Kartsonaki, Sukanta, Kamila, Keiran, Logan, Mark A., Taylor, Anthony P., McHale, John F., Callan, Eleanor, Stride, Katherine A., Vallis	No
Retinoblastoma cell-derived exosomes promote angiogenesis of human vesicle endothelial cells through microRNA-92a-3p	Cell Death and Disease	http://dx.doi.org/10.1038/s41419-021-03986-0	2021	Shuilian, Chen, Xi, Chen, Qian, Luo, Xuan, Liu, Xiao, Wang, Zedu, Cui, Anqi, He, Shengyu, He, Zihua, Jiang, Nandan, Wu, Pei, Chen, Keming, Yu, Jing, Zhuang	No
A live single-cell reporter assay links intratumor heterogeneity to metastatic proclivity in Ewing sarcoma	Science Advances		2021	Tugba, Keskin, Beatrice, Rucci, Sandrine, Cornaz-Buros, Patricia, Martin, Carlo, Fusco, Liliane, Broje, Katarina, Cisarova, Elizabeth M., Perez, Igor, Letovanec, Stefano La, Rosa, Stephane, Cherix, Manuel, Diezi, Raffaele, Renella, Paolo, Provero, Mario L., Suvà, Ivan, Stamenkovic, Nicolò, Riggi	No
Membrane composition is a functional determinant of NIR-activable liposomes in orthotopic head and neck cancer	Nanophotonics		2021	Mina, Guirguis, Chanda, Bhandari, Junjie, Li, Menitte, Eroy, Sushant, Prajapati, Ryan, Margolis, Navadeep, Shrivastava, Kenneth, Hoyt, Tayyaba, Hasan, Giris, Obaid	No
Phototheranostic porphyrin nanoparticles enable visualization and targeted treatment of head and neck cancer in clinically relevant models	Theranostics		2015	Nidal, Muhanna, Cheng S., Jin, Elizabeth, Huynh, Harley, Chan, Yi, Qiu, Wenlei, Jiang, Liyang, Cui, Laura, Burgess, Margaret K., Akens, Juan, Chen, Jonathan C., Irish, Gang, Zheng	No
Immune/Hypoxic Tumor Microenvironment Regulation: Enhanced Photodynamic Treatment Realized by pH-Responsive Phase Transition-Targeting Nanobubbles	ACS Applied Materials and Interfaces		2021	Meng, Zhao, Xupeng, Yang, Hao, Fu, Chuanrong, Chen, Yanhua, Zhang, Zhihua, Wu, Yourong, Duan, Ying, Sun	No
Targeted Micellar Phthalocyanine for Lymph Node Metastasis Homing and Photothermal Therapy in an Orthotopic Colorectal Tumor Model	Nano-Micro Letters	https://doi.org/10.1007/s40820-021-00666-8	2021	Hai Yi, Feng, Yihang, Yuan, Yunpeng, Zhang, Hai Jun, Liu, Xiao, Dong, Si Cong, Yang, Xue Liang, Liu, Xing, Lai, Mao Hua, Zhu, Jue, Wang, Qin, Lu, Quanjun, Lin, Hong Zhuan, Chen, Jonathan F., Lovell, Peng, Sun, Chao, Fang	No
Iminodibenzyl redirected cyclooxygenase-2 catalyzed dihomoy-inolenic acid peroxidation pattern in lung cancer	Free Radical Biology and Medicine	https://doi.org/10.1016/j.freeradbiomed.2021.06.004	2021	Lizhi, Pang, Harshit, Shah, Steven, Qian, Venkatachalem, Sathish	No
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A metal protoporphyrin-induced nano-self-assembly for potentiating photothermal therapy by depleting antioxidant defense systems	Chemical Engineering Journal	https://doi.org/10.1016/j.cej.2021.129769	2021	Huizhu, Yu, Ming, Ma, Liping, Jiang, Jie, Shen, Fengfeng, Xue, Hangrong, Chen	No
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A Pegylated Flavin Adenine Dinucleotide PEG Complex to Boost Immunogenic and Therapeutic Effects in a Liver Cancer Model	Nanotheranostics		2021	Celia, Arib, Hui, Liu, Qiujian, Liu, Anne Marie, Cieutat, Didier, Paleni, Xiaowu, Li, Jolanda, Spadavecchia	No
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Hollow Mesoporous Silica Nanoparticles Gated by Chitosan-Copper Sulfide Composites as Theranostic Agents for the Treatment of Breast Cancer	Acta Biomaterialia		2021	Shiwei, Niu, Xuejing, Zhang, Gareth R., Williams, Jianrong, Wu, Feng, Gao, Zi, Fu, Xia, Chen, Sheng, Lu, Li Min, Zhu	No
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Pharmacological Normalization of Pancreatic Cancer-Associated Fibroblast Secretome Impairs Pro-metastatic Cross-Talk With Macrophages	Cellular and Molecular Gastroenterology and Hepatology	https://doi.org/10.1016/j.jcmgh.2021.01.008	2021	R., Samain, A., Brunel, T., Douché, M., Fanjul, S., Cassant-Sourdy, J., Rochotte, J., Cros, C., Neuzillet, J., Raffenne, C., Duluc, A., Perraud, J., Nigri, V., Gigoux, J., Bieche, M., Ponzio, G., Carpentier, I., Cascone, R., Tomasini, H.A., Schmidt, M., Mathonnet, R., Nicolle, M.P., Bousquet, Y., Martineau, S., Pyronnet, C., Jean, Corinne, Bousquet	No
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Quantitative in Vivo Monitoring of Hypoxia and Vascularization of Patient-Derived Murine Xenografts of Mantle Cell Lymphoma Using Photoacoustic and Ultrasound Imaging	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562920305664	2021	Peter, Keša, Eva, Pokorná, Martina, Grajciarová, Zbyněk, Tonar, Petra, Vočková, Philippe, Trochet, Milan, Kopeček, Radek, Jakša, Luděk, Sevc, Pavel, Klener	No
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Apigenin Increases SHIP-1 Expression, Promotes Tumoricidal Macrophages and Anti-Tumor Immune Responses in Murine Pancreatic Cancer	Cancers	https://www.mdpi.com/2072-6694/12/12/3631	2020	Krystal, Villalobos-Ayala, Ivannie, Ortiz Rivera, Ciara, Alvarez, Kazim, Husain, DeVon, DeLoach, Gerald, Krystal, Margaret L., Hibbs, Kun, Jiang, Tomar, Ghansah	No
Galactosyltransferase B4GALT1 confers chemoresistance in pancreatic ductal adenocarcinomas by upregulating N-linked glycosylation of CDK1p110	Cancer Letters	https://doi.org/10.1016/j.canlet.2020.12.006	2021	Yitian, Chen, Liangping, Su, Cheng, Huang, Sangqing, Wu, Xiaoyi, Qiu, Xinbao, Zhao, Qiong, Meng, Ya Ming, Meng, Xiangzhan, Kong, Minghui, Wang, Chao, Liu, Ping Pui, Wong	No
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Precision mouse models with expanded tropism for human pathogens	Nature Biotechnology	http://dx.doi.org/10.1038/s41587-019-0225-9	2019	Angela, Wahl, Chandrav, De, Maria, Abad Fernandez, Erik M., Lenarcic, Yinyan, Xu, Adam S., Cockrell, Rachel A., Cleary, Claire E., Johnson, Nathaniel J., Schramm, Laura M., Rank, Isabel G., Newsome, Heather A., Vincent, Wes, Sanders, Christian R., Aguilera-Sandoval, Allison, Boone, William H., Hildebrand, Paul A., Dayton, Ralph S., Baric, Raymond J., Pickles, Miriam, Braunstein, Nathaniel J., Moorman, Nilu, Goonetilleke, J., Victor Garcia	No

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Tumor Microenvironment Cascade-Responsive Nanodrug with Self-Targeting Activation and ROS Regeneration for Synergistic Oxidation-Chemotherapy	Nano-Micro Letters	https://doi.org/10.1007/s40820-020-00492-4	2020	Yang, Li, Jinyan, Lin, Peiyuan, Wang, Qiang, Luo, Fukai, Zhu, Yun, Zhang, Zhenqing, Hou, Xiaolong, Liu, Jingfeng, Liu	No
In Vivo Real-Time Pharmacological Evaluations of Near-Infrared II Fluorescent Nanomedicine Bound Polyethylene Glycol Ligands for Tumor Photothermal Ablation	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.0c05885	2020	Shengliang, Li, Haoting, Chen, Haile, Liu, Lu, Liu, Yuan, Yuan, Cong, Mao, Wei, Zhang, Xiaodong, Zhang, Weisheng, Guo, Chun-Sing, Lee, Xing-jie, Liang	No
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Prophylactical low dose whole-liver irradiation inhibited colorectal liver metastasis by regulating hepatic niche in mice	Oncotargets and Therapy		2020	Lu, Wang, Yinan, Sun, Xiaoxiao, Luo, Hu, Han, Han, Yin, Ben, Zhao, Xinyi, Chen, Qianqian, Yu, Hong, Qiu, Xianglin, Yuan	No
Elevated Serum Amino Acids Induce a Subpopulation of Alpha Cells to Initiate Pancreatic Neuroendocrine Tumor Formation	Cell Reports Medicine	https://doi.org/10.1016/j.xcrm.2020.100058	2020	Derek K., Smith, Lance, Kates, Steffen, Durinck, Nisha, Patel, Eric W., Stawiski, Noelyn, Kjaviv, Oded, Foreman, Bence, Sipos, Mark J., Solloway, Bernard B., Allan, Andrew S., Peterson	No
Iron(III) phthalocyanine loaded and as1411 aptamer targeting nanoparticles: A nanocomplex for dual modal imaging and photothermal therapy of breast cancer	International Journal of Nanomedicine		2020	Yubei, He, Mengzhu, Wang, Ming, Fu, Xun, Yuan, Yuanli, Luo, Bin, Qiao, Jin, Cao, Zhigang, Wang, Lan, Hao, Gengbiao, Yuan	No
Ultrasound-Mediated Delivery of Chemotherapy into the Transgenic Adenocarcinoma of the Mouse Prostate Model	Ultrasound in Medicine and Biology		2020	Stein Martin T., Fagerland, Sigrid, Berg, Deborah K., Hill, Sofie, Snipstad, Einar, Sulheim, Astrid, Hyldbakk, Jana, Kim, Catharina de Lange, Davies	No
pH-responsive Ag2S nanodots loaded with heat shock protein 70 inhibitor for photoacoustic imaging-guided photothermal cancer therapy	Acta Biomaterialia		2020	Yaping, Zhong, Yibiao, Zou, Lingyan, Liu, Ruohan, Li, Fengfeng, Xue, Tao, Yi	No
Novel biomimetic dual-mode nanodroplets as ultrasound contrast agents with potential ability of precise detection and photothermal ablation of tumors	Cancer Chemotherapy and Pharmacology	https://doi.org/10.1007/s00280-020-04124-x	2020	Yuan, Liang, Hengli, Yang, Qiaoying, Li, Ping, Zhao, Han, Li, Yuxin, Zhang, Wenbin, Cai, Xiaoli, Ma, Yunyou, Duan	No
Cisplatin promotes the expression level of PD-L1 in the microenvironment of hepatocellular carcinoma through YAP1	Molecular and Cellular Biochemistry	https://doi.org/10.1007/s11010-020-03861-0	2020	Shenghao, Li, Jingmin, Ji, Zhiqin, Zhang, Qing, Peng, Liyuan, Hao, Yinglin, Guo, Wenhan, Zhou, Qingzhuo, Cui, Xinli, Shi	No
Synergistic activity of linifanib and irinotecan increases the survival of mice bearing orthotopically implanted human anaplastic thyroid cancer	American journal of cancer research		2020	Marta, Banchi, Paola, Orlandi, Daniela, Gentile, Greta, Ali, Elisabetta, Fini, Gabriella, Fontanini, Giulio, Francia, Guido, Bocci	No
Photoacoustic imaging biomarkers for monitoring biophysical changes during nanobubble-mediated radiation treatment	Photoacoustics	https://doi.org/10.1016/j.pacs.2020.100201	2020	Eno, Hysi, Muhannad N., Fadhel, Yanjie, Wang, Joseph A., Sebastian, Anoja, Giles, Gregory J., Czarnota, Agata A., Exner, Michael C., Kolios	No
The novel DPP-BDT nanoparticles as efficient photoacoustic imaging and positron emission tomography agents in living mice	International Journal of Nanomedicine		2020	Tingting, Li, Xiaoming, Hu, Quli, Fan, Zejing, Chen, Ziliang, Zheng, Ruiping, Zhang	No
Construction of Nucleolin-Targeted Lipid Nanobubbles and Contrast-Enhanced Ultrasound Molecular Imaging in Triple-Negative Breast Cancer	Pharmaceutical Research		2020	Kejing, Fang, Luofu, Wang, Haiyun, Huang, Minmin, Lan, Daijia, Shen, Shiwu, Dong, Yanli, Guo	No
Interrogating the immune-modulating roles of radiation therapy for a rational combination with immune-checkpoint inhibitors in treating pancreatic cancer	Journal for ImmunoTherapy of Cancer	https://jitc.bmi.com/lookup/doi/10.1136/jitc-2019-000351	2020	Kenji, Fujiwara, May Tun, Saung, Hao, Jing, Brian, Herbst, Mackenzie, Zarecki, Stephen, Muth, Annie, Wu, Elaine, Bigelow, Linda, Chen, Keyu, Li, Neelie, Jurcak, Alex B., Blair, Ding, Ding, Michael, Wichroski, Jordan, Blum, Nathan, Cheadle, Jennifer, Koenitzer, Lei, Zheng	No
Inhibited metastasis and amplified chemotherapeutic effects by epigenetic-transfection based on a tumor-targeting nanoparticle	International Journal of Nanomedicine		2020	Mengzhu, Wang, Zhigang, Wang, Bin, Qiao, Jin, Cao, Luya, Qian, Yuanli, Luo, Hanwen, Qi, Xiaowen, Zhong, Yubei, He, Xianquan, Zhang, Lan, Hao	No
On-demand drug release nanoplatform based on fluorinated aza-BODIPY for imaging-guided chemo-phototherapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.120211	2020	Jiaojiao, Zhang, Han, Huang, Lei, Xue, Liping, Zhong, Wei, Ge, Xuejiao, Song, Yongxiang, Zhao, Wenjun, Wang, Xiaochen, Dong	No
Hydrogen-Peroxide-Responsive Protein Biomimetic Nanoparticles for Photothermal-Photodynamic Combination Therapy of Melanoma	Lasers in Surgery and Medicine		2020	Long, Wen, Riza, Hoyoju, Peiru, Wang, Lei, Shi, Chunxiao, Li, Meng, Li, Xiuli, Wang	No
Liposomal 2-Methoxyestradiol Nanoparticles for Treatment of Uterine Leiomyoma in a Patient-Derived Xenograft Mouse Model	Reproductive Sciences		2020	Mostafa A., Borahay, Kathleen L., Vincent, Massoud, Motamedi, Ibrahim, Tekeledrell, Salama A., Salama, Bulent, Ozpolat, Gokhan S., Kilic	No
SUSD2 expression correlates with decreased metastasis and increased survival in a high-grade serous ovarian cancer xenograft murine model	Oncotarget		2020	Jordan N., Sheets, Mitch E., Patrick, Kristi A., Eglan	No
Selective Alanine Transporter Utilization Creates a Targetable Metabolic Niche in Pancreatic Cancer	Cancer discovery		2020	Seth J., Parker, Caroline R., Amendola, Kate E.R., Hollinshead, Ojia, Yu, Keisuke, Yamamoto, Joel, Encarnación-Rosado, Rebecca E., Rose, Madeleine M., LaRue, Albert S.W., Sohn, Doug E., Biancur, Joao A., Paulo, Steven P., Gygi, Drew R., Jones, Huamin, Wang, Mark R., Phillips, Dafna, Bar-Sagi, Joseph D., Mancias, Alec C., Kimmelman	No
MTI-HMP-Activated Liposomes to Improve Tumor Blood Perfusion and Drug Delivery for Enhanced Pancreatic Cancer Therapy	Advanced Science		2020	Yan, Wei, Sha, Song, Nianxiu, Duan, Feng, Wang, Yuxi, Wang, Yiwei, Yang, Chengyuan, Peng, Junjun, Li, Di, Nie, Xinxin, Zhang, Shiyun, Guo, Chunliu, Zhu, Miaocong, Yu, Yong, Gan	No
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Carcinogenic initiation contributed by EpCAM+ cancer cells in orthotopic HCC models of immunocompetent and athymic mice	Oncotarget	https://www.oncotarget.com/lookup/doi/10.18632/oncotarget.27454	2020	Harshul, Pandit, Yan, Li, Qianqian, Zheng, Wei, Guo, Youxi, Yu, Suping, Li, Robert C.G., Martin	No
Targeted nanobubbles carrying indocyanine green for ultrasound, photoacoustic and fluorescence imaging of prostate cancer	International Journal of Nanomedicine		2020	Yixuan, Wang, Minmin, Lan, Daijia, Shen, Kejing, Fang, Lianhua, Zhu, Yu, Liu, Lan, Hao, Pan, Li	No
TME-activatable theranostic nanoplatform with ATP burning capability for tumor sensitization and synergistic therapy	Theranostics		2020	Yuanli, Luo, Bin, Qiao, Ping, Zhang, Chao, Yang, Jin, Cao, Xun, Yuan, Haitao, Ran, Zhigang, Wang, Lan, Hao, Yang, Cao, Jianli, Ren, Zhiyi, Zhou	No
Albumin-constrained large-scale synthesis of renal clearable ferrous sulfide quantum dots for T1-Weighted MR imaging and phototheranostics of tumors	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.120186	2020	Weitao, Yang, Chenyang, Xiang, Yan, Xu, Shizhen, Chen, Weiwei, Zeng, Kai, Liu, Xiao, Jin, Xin, Zhou, Bingbo, Zhang	No
Generation of Pancreatic Organoid-Derived Isografts	STAR Protocols	https://doi.org/10.1016/j.xpro.2020.100047	2020	Sabrina, D'Agosto, Francesca, Lupo, Vincenzo, Corbo	No
Ultrasound Molecular Imaging of Renal Cell Carcinoma: VEGFR targeted therapy monitored with VEGFR1 and FSHR targeted microbubbles	Scientific Reports	https://www.nature.com/articles/s41598-020-64433-2	2020	Alexandre, Ingels, Ingrid, Lequerney, Paul-Henry, Courméde, Jacques, Irani, Sophie, Fericot, Catherine, Sébricé, Baya, Benatsou, Laurène, Jourdain, Stephanie, Pitre-Champagnat, Jean-Jacques, Patard, Nathalie, Lassau	No

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Impact of hypoxia on chemoresistance of mesothelioma mediated by the proton-coupled folate transporter and preclinical activity of new anti-LDH-A compounds	British Journal of Cancer	http://www.nature.com/articles/s41416-020-0912-9	2020	Giovanna, Li Petri, Btissame, El Hassouni, Rocco, Sciarillo, Niccola, Funel, Giulia, Mantini, Eveline A., Zeuou van der Laan, Stella, Cascioferro, Amir, Avan, Paolo Andrea, Zucali, Nadia, Zaffaroni, Tonny, Lagerweij, Barbara, Parrino, Kees, Smid, Marcello, Deraco, Carlotta, Granchi, Alicja, Braccko, Ryszard T., Smolenski, Larry H., Matherly, Gerrit, Jansen, Yehuda G., Assaraf, Patrizia, Diana, Jacqueline, Cloos, Godefridus J., Peters, Filippo, Minutolo, Elisa, Giovannetti	No
Light-assisted hierarchical intratumoral penetration and programmed antitumor therapy based on tumor microenvironment (TME)-amendatory and self-adaptive polymeric nanoclusters	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.120166	2020	Jing, Yan, Qinghua, Wu, Zhiyun, Zhao, Jianhua, Wu, Huan, Ye, Qijun, Liang, Zhuchao, Zhou, Mengying, Hou, Xudong, Li, Yong, Liu, Lichen, Yin	No
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Xenograft Tumor Volume Measurement in Nude Mice: Estimation of 3D Ultrasound Volume Measurements Based on Manual Caliper Measurements	The Journal of Basic and Clinical Health Sciences	http://jbachs.org/uploads/pdf/JBACHS_102.pdf	2020	Mustafa Mahmut, Baris, Efe, Serinan, Meryem, Calisir, Kursat, Simsek, Safiye, Aktas, Osman, Yilmaz, Sevgi, Kilic Ozdemir, Mustafa, Secil	No
Fluorescent Silica Nanoparticles to Label Metastatic Tumor Cells in Mineralized Bone Microenvironments	Small	https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.202001432	2020	Aaron E., Chiu, Joshua A., Hincley, Rupal, Khaiteh, Neia, Varsano, Jonathan, Wang, Henry F., Malarkey, Christopher J., Hernandez, Rebecca M., Williams, Lara A., Estroff, Steve, Weiner, Lia, Addadi, Ulrich B., Wiesner, Claudia, Fischbach	No
CD105 is a prognostic marker and valid endothelial target for microbubble platforms in cholangiocarcinoma	Cellular Oncology	http://link.springer.com/10.1007/s13402-020-00530-8	2020	Amit, Nair, Nicola, Ingram, Eldo T., Verghese, Imeshi, Wijetunga, Alexander F., Markham, Judy, Wyatt, K. Rajendra, Prasad, P. Louise, Coletta	No
Programmable NIR-II Photothermal-Enhanced Starvation-Primed Chemodynamic Therapy using Glucose Oxidase-Functionalized Ancient Pigment Nanosheets	Small	https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.202001518	2020	Chen, Yang, Muhammad Rizwan, Younis, Jing, Zhang, Junle, Qu, Jing, Lin, Peng, Huang	No
Opposing Functions of BRD4 Isoforms in Breast Cancer	Molecular Cell	https://doi.org/10.1016/j.molcel.2020.04.034	2020	Shwu-Yuan, Wu, Chien-Fei, Lee, Hsien-Tsung, Lai, Cheng-Tai, Yu, Ji-Eun, Lee, Hao, Zuo, Sophia Y., Tsai, Ming-Jer, Tsai, Kai, Ge, Yihong, Wan, Cheng-Ming, Chiang	No
Chemiluminescence resonance energy transfer-based nanoparticles for quantum yield-enhanced cancer phototheranostics	Science advances	http://advances.sciencemag.org/cgi/content/short/6/21/eaaz8400?rss=1&utm_source...	2020	Jueun, Jeon, Dong Gil, You, Wooram, Um, Jeongjin, Lee, Chan Ho, Kim, Sol, Shin, Seunglee, Kwon, Jae Hyung, Park	No
Heterogeneity and chimerism of endothelial cells revealed by single-cell transcriptome in orthotopic liver tumors	Angiogenesis	https://doi.org/10.1007/s10456-020-09727-9	2020	Qi, Zhao, Maria del Pilar, Molina-Portela, Asma, Parveen, Alexander, Adler, Christina, Adler, Hock, E. Wei, Wang, Min, Ni, Yi, Wei, Gurinder, Atwal, Markus, Mohrs, Gavin, Thurston, Alexandra, Eichten	No
2,4-dienoyl-CoA reductase regulates lipid homeostasis in treatment-resistant prostate cancer	Nature Communications	http://dx.doi.org/10.1038/s41467-020-16126-7	2020	Arnaud, Blomme, Catriona A, Ford, Ernest, Mui, Rachana, Patel, Chara, Ntala, Lauren E, Jamieson, Mélanie, Planque, Grace H., McGregor, Paul, Peixoto, Eric, Hervouet, Colin, Nixon, Mark, Salji, Luke, Gaughan, Elke, Markert, Peter, Respicak, David, Sumpton, Giovanni Rodriguez, Blanco, Sergio, Lilla, Jurje J, Kamphorst, Duncan, Graham, Karen, Faulds, Gillian M., MacKay, Sarah-maria, Fendt, Sara, Zanivan, Hing Y, Leung	No
DLX1008 (brolicizumab), a single-chain anti-VEGF-A antibody fragment with low picomolar affinity, leads to tumor involution in an in vivo model of Kaposi Sarcoma	PLOS ONE	http://dx.doi.org/10.1371/journal.pone.0233116	2020	Anthony B., Eason, Sang-Hoon, Sin, Mohsin, Shah, Hong, Yuan, Douglas J., Phillips, Miriam, Droste, Abdijapar, Shamshev, Dirk P., Dittmer	No
Design of Light/ROS Cascade-Responsive Tumor-Recognizing Nanotheranostics for Spatiotemporally Controlled Drug Release in Locoregional Photo-Chemotherapy	Acta Biomaterialia	https://doi.org/10.1016/j.actbio.2020.04.052	2020	Wenbao, Zuo, Dengyue, Chen, Zhongxiong, Fan, Luping, Chen, Zhaoyan, Zhu, Qixin, Zhu, Xuan, Zhu	No
PRMT1 promotes neuroblastoma cell survival through ATF5	Oncogenesis	http://dx.doi.org/10.1038/s41389-020-0237-9	2020	Zhong-yan, Hua, Jeanne N, Hansen, Miao, He, Shang-kun, Dai, Yoonjung, Choi, Melody D, Fulton, Sarah M, Lloyd, Marianna, Szemes, Ji, Sen, Han-fei, Ding, James M, Angelastro, Xiang, Fei, Hui-Ping, Li, Chao-ran, Wu, Sheng-yong, Yang, Karim, Malik, Xiaomin, Bao, Y., George Zheng, Chang-mei, Liu, Nina F, Schor, Zhi-Jie, Li, Xing-guo, Li	No
Photoacoustic imaging for three-dimensional visualization and delineation of basal cell carcinoma in patients	Photoacoustics	https://linkinghub.elsevier.com/retrieve/pii/S2213597920300276	2020	Ulf, Dahlstrand, Rafi, Sheikh, Aboma, Merdasa, Rehan, Chakari, Bertli, Persson, Magnus, Cinthio, Tobias, Erlöv, Bodil, Gesslein, Malin, Malmisjö	No
Polydopamine-doped virus-like structured nanoparticles for photoacoustic imaging guided synergistic chemo-/photothermal therapy	RSC Advances	http://xlink.rsc.org/?DOI=D0BA02915G	2020	Rong, Zhong, Ruoping, Wang, Xuemei, Hou, Liang, Song, Yun, Zhang	No
Dietary Tomato or Lycopene Do Not Reduce Castration-Resistant Prostate Cancer Progression in a Murine Model	The Journal of Nutrition	https://academic.oup.com/jn/advance-article/doi/10.1093/jn/nxaa107/5830776	2020	Joe L, Rowles, Joshua W, Smith, Catherine C, Applegate, Rita J, Miller, Matthew A, Wallig, Amandeep, Kaur, Jesus N, Sarol, Salma, Musaad, Steven K, Clinton, William D, O'Brien, John W, Erdman	No
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Tumor Microenvironment Responsive Shape-Reversal Self-Targeting Virus-Inspired Nanodrug for Imaging-Guided Near-Infrared-II Photothermal Chemotherapy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b05425	2019	Yang, Li, Jinyan, Lin, Peiyuan, Wang, Qiang, Luo, Huirong, Lin, Yun, Zhang, Zhenqing, Hou, Jingfeng, Liu, Xiaolong, Liu	No
Differential Diagnosis and Precision Therapy of Two Typical Malignant Cutaneous Tumors Leveraging Their Tumor Microenvironment: A Photomedicine Strategy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b04070	2019	Peiru, Wang, Weitao, Yang, Shuzhan, Shen, Chao, Wu, Long, Wen, Qian, Cheng, Bingbo, Zhang, Xiuli, Wang	No
Radiosensitive core/satellite ternary heteronanostructure for multimodal imaging-guided synergistic cancer radiotherapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119545	2020	Hongxing, Liu, Weiqiang, Lin, Lizhen, He, Tianfeng, Chen	No
Intra-arterial EmboCept S® and DC Bead® effectively inhibit tumor growth of colorectal rat liver metastases	BMC Cancer	https://bmccancer.biomedcentral.com/articles/10.1186/s12885-019-6135-x	2019	Christian, Ziemann, Jonas, Roller, Markus M., Malter, Kira, Keller, Otto, Kolimar, Matthias, Glanemann, Michael D., Menger, Jens, Sperling	No
Novel Oxygen-Deficient Zirconia (ZrO_{2-x}) for Fluorescence/Photoacoustic Imaging-Guided Photothermal/Photodynamic Therapy for Cancer	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.9b16604	2019	Lihong, Sun, Xiaodan, Jiao, Weiwei, Liu, Ying, Wang, Yang, Cao, Shu-Juan, Bao, Zhiqiang, Xu, Yuejun, Kang, Peng, Xue	No
Hybrid Protein Nano-Reactors Enable Simultaneous Increments of Tumor Oxygenation and Iodine-131 Delivery for Enhanced Radionuclide Therapy	Small	https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.201903628	2019	Jiawen, Chen, Chao, Liang, Xuejiao, Song, Xuan, Yi, Kai, Yang, Liangzhu, Feng, Zhuang, Liu	No
High Frequency Spectral Ultrasound Imaging to Detect Metastasis in Implanted Biomaterial Scaffolds	Annals of Biomedical Engineering	http://link.springer.com/10.1007/s10439-019-02366-2	2020	Grace G., Bushnell, Xiaowei, Hong, Rachel M., Hatfield, Yining, Zhang, Robert S., Oakes, Shreyas S., Rao, Jacqueline S., Jeruss, Jan P., Stegemann, Cheri X., Deng, Lonnie D., Shea	No
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Phase-Change Materials Based Nanoparticles for Controlled Hypoxia Modulation and Enhanced Phototherapy	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201906805	2019	Shichao, Zhang, Qinzhe, Li, Nan, Yang, Yunhao, Shi, Wei, Ge, Wenjun, Wang, Wei, Huang, Xuejiao, Song, Xiaochen, Dong	No
Localized Free Radicals Burst Triggered by NIR-II Light for Augmented Low-Temperature Photothermal Therapy	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.9b15009	2019	Boshu, Ouyang, Funan, Liu, Shuangrong, Ruan, Yao, Liu, Huishu, Guo, Zhengxu, Cai, Xiangrong, Yu, Zhiqing, Pang, Shun, Shen	No
α-Ketoglutarate links p53 to cell fate during tumour suppression	Nature	http://www.nature.com/articles/s41586-019-1577-5	2019	John P., Morris, Jossie J., Yashinskii, Richard, Koche, Rohit, Chandwani, Sha, Tian, Chi-Chao, Chen, Timour, Baslan, Zoran S., Marinikovic, Francisco J., Sánchez-Rivera, Steven D., Leach, Carlos, Carmona-Fontaine, Craig B., Thompson, Lydia W. S., Finley, Scott W., Lowe	No

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GRIM-19 over-expression represses the proliferation and invasion of orthotopically implanted hepatocarcinoma tumors associated with downregulation of Stat3 signaling	BioScience Trends	https://www.istage.ist.go.jp/article/bst/13/4/13_2019.01185_article	2019	Dexia, Kong, Junyu, Chen, Xun, Sun, Yan, Lin, Yanwei, Du, Di, Huang, Hongjing, Cheng, Ping, He, Luoluo, Yang, Shan, Wu, Lijing, Zhao, Xiangwei, Meng	No
Mitochondrial fragmentation, elevated mitochondrial superoxide and respiratory supercomplexes disassembly is connected with the tamoxifen-resistant phenotype of breast cancer cells	Free Radical Biology and Medicine	https://doi.org/10.1016/j.freeradbiomed.2019.09.004	2019	Veronika, Tomková, Cristian, Sandoval-Acuña, Natalia, Torrealba, Jaroslav, Truksa	No
Collagenase Nanoparticles Enhance the Penetration of Drugs into Pancreatic Tumors	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b02395	2019	Assaf, Zinger, Lilach, Koren, Omer, Adir, Maria, Poley, Mohammed, Alyan, Zvi, Yaari, Nadav, Noor, Nitzan, Krinsky, Assaf, Simon, Hadas, Gibori, Majd, Krayem, Yelena, Mumbat, Shira, Kasten, Sivan, Ofir, Eran, Fridman, Neta, Milman, Michael M., Lubtowitz, Lior, Liba, Jenny, Shiklover, Janna, Shainsky-Rotman, Yoav, Binenbaum, Dov, Hershkovitz, Ziv, Gil, Tali, Dvir, Robert, Luxenhofer, Ronit, Satchi-Fainaro, Avi, Schroeder	No
Folate-Targeted and Oxygen/Indocyanine Green-Loaded Lipid Nanoparticles for Dual-Mode Imaging and Photodynamic/Photothermal Therapy of Ovarian Cancer in Vitro and in Vivo	Molecular Pharmaceutics	https://pubs.acs.org/doi/10.1021/acs.molpharmaceut.9b00339	2019	Yujiao, Liu, Shuning, Chen, Jiangchuan, Sun, Shenyin, Zhu, Chunyan, Chen, Wan, Xie, Jiao, Zheng, Yi, Zhu, Lintin, Xiao, Lan, Hao, Zhigang, Wang, Shufang, Chang	No
Effects of gold nanoprisms-assisted human PD-L1 siRNA on both gene down-regulation and photothermal therapy on lung cancer	Acta Biomaterialia	https://doi.org/10.1016/j.actbio.2019.08.046	2019	Bin, Liu, Wen, Cao, Guanglei, Qiao, Shanying, Yao, Shaojun, Pan, Lirui, Wang, Caixia, Yue, Lijun, Ma, Yanlei, Liu, Daxiang, Cui	No
Fluorescent Silicon Nanopore-Based Nanotheranostic Agents for Multimodal Imaging-Guided Photothermal Therapy	Nano-Micro Letters	https://doi.org/10.1007/s40820-019-0306-9	2019	Mingyue, Cui, Sangmo, Liu, Bin, Song, Daoxia, Guo, Jinhua, Wang, Guyue, Hu, Yuanxuan, Su, Yao, He	No
Endothelial CD52 deficiency causes VEGFA-mediated vascular regression and tumor inhibition	Cell Research	http://dx.doi.org/10.1038/s41422-019-0229-5	2019	Wencao, Zhao, Le, Cao, Hanru, Ying, Wenjuan, Zhang, Dantong, Li, Xiaolong, Zhu, Wenzhi, Xue, Shuang, Wu, Mengye, Cao, Cong, Fu, Haonan, Qi, Yimei, Hao, Yun-Chi, Tang, Jun, Qin, Tao, P., Zhong, Xiaoxi, Lin, Luyang, Yu, Xuri, Li, Lin, Li, Dianqing, Wu, Weijun, Pan	No
LMO2 Confers Synthetic Lethality to PARP Inhibition in DLBCL	Cancer Cell	https://doi.org/10.1016/j.ccr.2019.07.007	2019	Salma, Parvin, Ariel, Ramirez-Labrada, Shlomzion, Aumann, Xiaoqing, Lu, Natalia, Weich, Gabriel, Santiago, Elena M., Cortizas, Eden, Sharabi, Yu, Zhang, Isidro, Sanchez-Garcia, Andrew J., Gentles, Evan, Roberts, Daniel, Bilbao-Cortes, Francisco, Vega, Jennifer R., Chapman, Ramiro E., Verdun, Izidore S., Lossos	No
Precision Cancer Theranostic Platform by In Situ Polymerization in Perylene Dimide-Hybridized Hollow Mesoporous Organosilica Nanoparticles	Journal of the American Chemical Society	https://pubs.acs.org/doi/10.1021/jacs.9b06086	2019	Zhen, Yang, Wenpei, Fan, Jianhua, Zou, Wei, Tang, Ling, Li, Liangcan, He, Zheyu, Shen, Zhantong, Wang, Orin, Jacobson, Maria A., Aronova, Pengfei, Rong, Jibin, Song, Wei, Wang, Xiaoyuan, Chen	No
Small-Molecule and CRISPR Screening Converge to Reveal Receptor Tyrosine Kinase Dependencies in Pediatric Rhabdoid Tumors	Cell Reports	https://doi.org/10.1016/j.celrep.2019.07.021	2019	Elaine M., Oberlick, Matthew G., Rees, Brinton, Seashore-Ludlow, Francisca, Vazquez, Geoffrey M., Nelson, Neekesh V., Dharia, Barbara A., Weir, Aviad, Tsherniak, Mahmoud, Ghandi, John M., Krill-Burger, Robin M., Meyers, Xiaofeng, Wang, Phil, Montgomery, David E., Root, Jake M., Bieber, Sandi, Radko, Jaime H., Chesik, C. Suk-Yee, Hon, Alykhan F., Shamji, Paul A., Clemons, Peter J., Park, Michael A., Dyer, Todd R., Golub, Kimberly, Stegmaier, William C., Hahn, Elizabeth A., Stewart, Stuart L., Schreiber, Charles W.M., Roberts	No
Immuno-evolution of mouse pancreatic organoid isografts from preinvasive to metastatic disease	Scientific Reports	http://www.nature.com/articles/s41598-019-48663-7	2019	Dea, Filippini, Sabrina D', Agosto, Pietro, Delfino, Michele, Simbolo, Geny, Piro, Borislav, Rusev, Lisa, Veghini, Cinzia, Cantù, Francesca, Lupò, Stefano, Ugel, Francesco, De Sanctis, Vincenzo, Bronte, Michele, Milella, Giampaolo, Tortora, Aldo, Scarpa, Carmine, Carbone, Vincenzo, Corbo	No
Combination PD-1 and PD-L1 Blockade Promotes Durable Neointerleukin-1 Cell-Mediated Immunity in Pancreatic Ductal Adenocarcinoma	Cell Reports	https://doi.org/10.1016/j.celrep.2019.07.059	2019	Adam L., Burreck, Ellen J., Spartz, Jackson F., Raynor, Iris, Wang, Margaret, Olson, Ingunn M., Stromnes	No
Effects of Photodynamic Therapy with Redaporfin on Tumor Oxygenation and Blood Flow in a Lung Cancer Mouse Model	Scientific Reports	http://www.nature.com/articles/s41598-019-49064-6	2019	Malwina, Karwicka, Barbara, Pucelik, Michal, Gonet, Martyna, Elias, Janusz M., Dabrowski	No
Tumor pH-Responsive Albumin/Polyaniline Assemblies for Amplified Photoacoustic Imaging and Augmented Photothermal Therapy	Small	https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.201902926	2019	Qiwei, Tian, Yaping, Li, Shanshan, Jiang, Lu, An, Jiaomin, Lin, Huixia, Wu, Peng, Huang, Shiping, Yang	No
Photothermal-pH-hypoxia responsive multifunctional nanopillar for cancer photo-chemo therapy with negligible skin phototoxicity	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119422	2019	Dapeng, Chen, Yunyun, Tang, Jiawei, Zhu, Jiaojiao, Zhang, Xuejiao, Song, Wenjun, Wang, Jimun, Shao, Wei, Huang, Peng, Chen, Xiaochen, Dong	No
Modulation of redox metabolism negates cancer-associated fibroblasts-induced treatment resistance in a heterotypic 3D culture platform of pancreatic cancer	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119421	2019	Mans, Broekgaarden, Sriram, Anbil, Anne-Laure, Bulin, Girgis, Obaid, Zhiming, Mai, Yan, Baglo, Imran, Rizvi, Tayyaba, Hasan	No
Fluorinated Polyethylenimine to Enable Transmucosal Delivery of Photosensitizer-Conjugated Catalase for Photodynamic Therapy of Orthotopic Bladder Tumors Postintravesical Instillation	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201901932	2019	Guangzhi, Li, Simin, Yuan, Dashi, Deng, Tong, Ou, Yuqing, Li, Rui, Sun, Qifang, Lei, Xisheng, Wang, Wanwan, Shen, Yiyun, Cheng, Zhuang, Liu, Song, Wu	No
Dual-labeled pertuzumab for multimodality image-guided ovarian tumor resection	American journal of cancer research	http://www.ncbi.nlm.nih.gov/pubmed/31392081%0Ahttp://www.pubmedcentral.nih.gov/...	2019	Hye Jin, Lee, Emily B., Ehlerding, Dawei, Jiang, Todd E., Barnhart, Tianye, Cao, Weijun, Wei, Carolina A., Ferreira, Peng, Huang, Jonathan W., Engle, Weibo, Cai	No
Photoacoustic and Ultrasound Dual-Mode Imaging via Functionalization of Recombinant Protein-Stabilized Microbubbles with Methylene Blue	ACS Applied Bio Materials	https://pubs.acs.org/doi/10.1021/acsbm.9b00545	2019	Zhuo, Chen, Rajarshi, Chattaraj, Katherine W., Pulsipher, Mrigendra B., Karmacharya, Daniel A., Hammer, Daeyeon, Lee, Chandra M., Sehgal	No
Laser-triggered polymeric lipoproteins for precision tumor penetrating theranostics	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119413	2019	Ruoning, Wang, Chenshuang, Zhang, Junsong, Li, Jinyu, Huang, Yaw, Opoku-Damoah, Bo, Sun, Jianping, Zhou, Liuqing, Di, Yang, Ding	No
Hollow Cu₂Se Nanozymes for Tumor Photothermal-Catalytic Therapy	Chemistry of Materials	https://pubs.acs.org/doi/10.1021/acs.chemmater.9b01958	2019	Xianwen, Wang, Xiaoyan, Zhong, Huali, Lei, Yuehao, Geng, Qi, Zhao, Fei, Gong, Zhiqun, Yang, Ziliang, Dong, Zhuang, Liu, Liang, Cheng	No
Nanozymes-Engineered Metal-Organic Frameworks for Catalytic Cascades-Enhanced Synergistic Cancer Therapy	Nano Letters	https://pubs.acs.org/doi/10.1021/acs.nanolett.9b02253	2019	Chuang, Liu, Jie, Xing, Ozioma Udochukwu, Akakuru, Lijia, Luo, Shan, Sun, Ruifen, Zou, Zhangsen, Yu, Qianlan, Fang, Aiguo, Wu	No
Organosilica-Based Hollow Mesoporous Bilirubin Nanoparticles for Antioxidation-Activated Self-Protection and Tumor-Specific Deoxygenation-Driven Synergistic Therapy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b02477	2019	Lingling, Shan, Wenpei, Fan, Weiwei, Wang, Wei, Tang, Zhen, Yang, Zhantong, Wang, Yijing, Liu, Zheyu, Shen, Yunlu, Dai, Siyuan, Cheng, Orin, Jacobson, Kefeng, Zhai, Junkai, Hu, Ying, Ma, Dale O., Kiesewetter, Guizhen, Gao, Xiaoyuan, Chen	No
Bioinspired lipoproteins-mediated photothermia remodels tumor stroma to improve cancer-cell accessibility of second nanoparticles	Nature Communications	http://dx.doi.org/10.1038/s41467-019-11235-4	2019	Tao, Tan, Haiyan, Hu, Hong, Wang, Jie, Li, Zhiwan, Wang, Jing, Wang, Siling, Wang, Zhiwen, Zhang, Yaping, Li	No
Inhibition of breast cancer proliferation and metastasis by strengthening host immunity with a prolonged oxygen-generating phototherapy hydrogel	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2019.07.028	2019	Tian-Jiao, Zhou, Lei, Xing, Ya-Tong, Fan, Peng-Fei, Cui, Hu-Lin, Jiang	No
One-pot growth of triangular SnS nanopyramids for photoacoustic imaging and photothermal ablation of tumors	New Journal of Chemistry	http://xlink.rsc.org/?DOI=C9NJ03045	2019	Dongliang, Yang, Fei, Chen, Shili, He, Haifeng, Shen, Yanling, Hu, Ning, Feng, Siyu, Wang, Lixing, Weng, Zhimin, Luo, Lianhui, Wang	No
Indocyanine Green-Coated Gold Nanoclusters for Photoacoustic Imaging and Photothermal Therapy	Advanced Therapeutics	https://onlinelibrary.wiley.com/doi/abs/10.1002/adtp.201900088	2019	Elizabeth, Higbee-Dempsey, Ahmad, Amirshaghghi, Matthew J., Case, Joann, Miller, Theresa M., Busch, Andrew, Tsourkas	No

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1300 nm absorption two-acceptor semiconducting polymer nanoparticles for NIR-II photoacoustic imaging system guided NIR-II photothermal therapy	Chemical Communications	http://xlink.rsc.org/?DOI=C9CC04196F	2019	Wansu, Zhang, Xiaoli, Sun, Ting, Huang, Xiaoxia, Pan, Pengfei, Sun, Jiewei, Li, Hua, Zhang, Xiaomei, Lu, Quli, Fan, Wei, Huang	No
Magnetic-responsive and targeted cancer nanotheranostics by PA/MR bimodal imaging-guided photothermally triggered immunotherapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119370	2019	Yuan, Guo, Yijun, Ran, Zhaoxia, Wang, Juan, Cheng, Yang, Cao, Chao, Yang, Fengqiu, Liu, Haitao, Ran	No
Mouse Model of Thyroid Cancer Progression and Dedifferentiation Driven by STRN-ALK Expression and Loss of p53: Evidence for the Existence of Two Types of Poorly Differentiated Carcinoma	Thyroid	https://www.liebertpub.com/doi/10.1089/thy.2019.0284	2019	Alyksandr V., Nikitski, Susan L., Rominski, Vincenzo, Condelio, Cihan, Kaya, Mamma, Wankhede, Federica, Ponebiano, Hong, Yang, Daniel L., Altschuler, Yuri E., Nikiforov	No
Mussel-inspired functionalization of semiconducting polymer nanoparticles for amplified photoacoustic imaging and photothermal therapy	Nanoscale	http://xlink.rsc.org/?DOI=C9NR03490K	2019	Biqing, Bao, Li, Tong, Yu, Xu, Jingling, Zhang, Xue, Zhai, Peng, Su, Lixing, Weng, Lianhui, Wang	No
US-triggered ultra-sensitive "thrombus constructor" for precise tumor therapy	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2019.12.029	2020	Yanjiang, Shao, Li, Guo, Airon, Li, Kaixiang, Zhang, Wei, Liu, Jinjin, Shi, Junjie, Liu, Zhenzhong, Zhang	No
Dual-stimuli responsive nanotheranostics for mild hyperthermia enhanced inhibition of Wnt/β-catenin signaling	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119709	2020	Tao, Feng, Liang, Zhou, Zhongyuan, Wang, Chunxiao, Li, Yifan, Zhang, Jing, Lin, Desheng, Lu, Peng, Huang	No
Biodegradable Bi 2 O 2 Se Quantum Dots for Photoacoustic Imaging-Guided Cancer Photothermal Therapy	Small	https://onlinelibrary.wiley.com/doi/abs/10.1002/sml.201905208	2020	Hanhan, Xie, Mingqiang, Liu, Baihao, You, Guanghong, Luo, Yue, Chen, Bilu, Liu, Zhenyou, Jiang, Paul K., Chu, Jundong, Shao, Xue-Feng, Yu	No
The mechanism of cancer drug addiction in ALK-positive T-Cell lymphoma	Oncogene	http://dx.doi.org/10.1038/s41388-019-1136-4	2020	Soumya S., Rajan, Amit Dipak, Amin, Lingxiao, Li, Delphine C., Rolland, Haiquan, Li, Deukwoo, Kwon, Mercedes F., Kweh, Artavazd, Arumov, Evan R., Roberts, Aimin, Yan, Venkatesha, Basrur, Kojo S. J., Elenitoba-Johnson, Xi Steven, Chen, Soham D., Puvvada, Yyes A., Lussier, Daniel, Bilbao, Megan S., Lim, Jonathan H., Schatz	No
A polymeric paste-drug formulation for intratumoral treatment of prostate cancer	Prostate Cancer and Prostatic Diseases	http://dx.doi.org/10.1038/s41391-019-0190-x	2019	Claudia, Kesch, Veronika, Schmitt, Samir, Bidnur, Marisa, Thi, Eliana, Beraldi, Igor, Moskalev, Virginia, Yago, Mary, Bowden, Hans, Adomat, Ladan, Fazil, John K., Jackson, Martin E., Gleave	No
Ultrasound and magnetic resonance imaging for group stratification and treatment monitoring in the transgenic adenocarcinoma of the mouse prostate model	The Prostate	https://onlinelibrary.wiley.com/doi/abs/10.1002/pros.23930	2020	Stein-Martin T., Fagerland, Deborah K., Hill, Annemieke, Wamel, Catharina, Lange Davies, Jana, Kim	No
Bimetallic nanodots for tri-modal CT/MRI/PA imaging and hypoxia-resistant thermoradiotherapy in the NIR-II biological windows	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.119656	2020	Meng, Lyu, Daoming, Zhu, Yanhong, Duo, Yang, Li, Hong, Quan	No
Biodegradable Co2S nanoclusters for photothermal-enhanced chemodynamic therapy	Applied Materials Today	https://doi.org/10.1016/j.apmt.2019.100464	2020	Xianwen, Wang, Xiaoyan, Zhong, Zhengbao, Zha, Gang, He, Zhaoxia, Miao, Huaili, Lei, Qunyi, Luo, Rui, Zhang, Zhuang, Liu, Liang, Cheng	No
NIR/ROS-Responsive Black Phosphorus OD Vesicles as Immunoadjuvant Carrier for Specific Cancer Photodynamic Immunotherapy	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201905758	2020	Zhi, Li, Yuehua, Hu, Qinrui, Fu, Yang, Liu, Jie, Wang, Jibin, Song, Huanghao, Yang	No
Stopping transformed cancer cell growth by rigidity sensing	Nature Materials	http://dx.doi.org/10.1038/s41563-019-0507-0	2020	Bo, Yang, Haguy, Wolfenson, Vin Yee, Chung, Naotaka, Nakazawa, Shuaimin, Liu, Junqiang, Hu, Ruby Yun-Ju, Huang, Michael P., Sheetz	No
Tumor Contrast Imaging with Gas Vesicles by Circumventing the Reticuloendothelial System	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562919315091	2020	Judy, Yan, Melissa, Yin, F. Stuart, Foster, Christine E.M., Demore	No
GSH-Depleted PtCu 3 Nanocages for Chemodynamic-Enhanced Sonodynamic Cancer Therapy	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201907954	2020	Xiaoyan, Zhong, Xianwen, Wang, Liang, Cheng, Yong'an, Tang, Gutting, Zhan, Fei, Gong, Rui, Zhang, Jun, Hu, Zhuang, Liu, Xiangliang, Yang	No
Nanostructural Control Enables Optimized Photoacoustic-Fluorescence-Magnetic Resonance Multimodal Imaging and Photothermal Therapy of Brain Tumor	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201907077	2020	Yukun, Duan, Dehong, Hu, Bing, Guo, Qi, Shi, Min, Wu, Shidang, Xu, Kenry, Xin, Liu, Jianwen, Jiang, Zonghai, Sheng, Hairong, Zheng, Bin, Liu	No
Verteporfin-Loaded Lipid Nanoparticles Improve Ovarian Cancer Photodynamic Therapy In Vitro and In Vivo	Cancers	https://www.mdpi.com/2072-6694/11/11/1760	2019	Michy, Massias, Bernard, Vanwongherem, Henry, Guidetti, Royal, Coll, Texier, Jossierand, Hurbin	No
eIF4A supports an oncogenic translation program in pancreatic ductal adenocarcinoma	Nature Communications	http://dx.doi.org/10.1038/s41467-019-13086-5	2019	Karina, Chan, Francis, Robert, Christian, Oertlin, Dana, Kapeller-Libermann, Daina, Avizonis, Johana, Gutierrez, Abram, Handy-Santana, Mikhail, Doubravin, Julia, Park, Christina, Schoepfer, Brandon, Da Silva, Melissa, Yao, Faith, Gorton, Junwei, Shi, Craig J., Thomas, Lauren E., Brown, John A., Porco, Michael, Pollak, Ota, Larsson, Jerry, Pelletier, Iok In Christine, Chio	No
Platelet-Mimicking Biotaxis Targeting Vasculature-Disrupted Tumors for Cascade Amplification of Hypoxia-Sensitive Therapy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b07330	2019	Mingqiang, Zhang, Jing-Jie, Ye, Yu, Xia, Zi-Yang, Wang, Chu-Xin, Li, Xiao-Shuang, Wang, Wuyang, Yu, Wen, Song, Jun, Feng, Xian-Zheng, Zhang	No
Scalable dextran-poly pyrrole nano-assemblies with photothermal/photoacoustic dual capabilities and enhanced biocompatibility	Carbohydrate Polymers	https://doi.org/10.1016/j.carbpol.2019.118335	2020	Wanqiu, Huang, Tao, Leng, Miaomiao, Gao, Qiangqiang, Hu, Lingshan, Liu, Hongjing, Dou	No
Statins as anti-cancer therapy in autochthonous T-lymphomas expressing stabilized gain-of-function mutant p53 proteins	Cell Death & Disease	http://dx.doi.org/10.1038/s41419-020-2466-4	2020	Karis, Tutuska, Laura, Parrilla-Monge, Erica, Di Cesare, Alice, Nemajerova, Ute M., Moll	No
Establishment and characterization of a cell line and patient-derived xenograft (PDX) from peritoneal metastasis of low-grade serous ovarian carcinoma	Scientific Reports	http://www.nature.com/articles/s41598-020-63738-6	2020	Elien, De Thaye, Koen, Van de Vijver, Joni, Van der Meulen, Joachim, Taminiau, Glenn, Wagemans, Hannelore, Denys, Jo, Van Dorpe, Geert, Bex, Wim, Ceelen, Jan, Van Boxlaer, Olivier, De Wever	No
Organoid-Transplant Model Systems to Study the Effects of Obesity on the Pancreatic Carcinogenesis in vivo	Frontiers in Cell and Developmental Biology	https://www.frontiersin.org/article/10.3389/fcell.2020.00308/full	2020	Francesca, Lupo, Geny, Piro, Lorena, Torroni, Pietro, Delfino, Rosalinda, Trovato, Borislav, Rusev, Alessandra, Fiore, Dea, Filippini, Francesco, De Sanctis, Marcello, Manfredi, Emilio, Marengo, Rita Teresa, Lawlor, Maurizio, Martini, Giampaolo, Tortora, Stefano, Ugel, Vincenzo, Corbo, Davide, Melisi, Carmine, Carbone	No
Near-Infrared Light-Responsive Nitric Oxide Delivery Platform for Enhanced Radioimmunotherapy	Nano-Micro Letters	https://doi.org/10.1007/s40820-020-00431-3	2020	Xuanfang, Zhou, Zhouqi, Meng, Jialin, She, Yaojia, Zhang, Xuan, Yi, Hallin, Zhou, Jing, Zhong, Ziliang, Dong, Xiao, Han, Muchao, Chen, Qin, Fan, Kai, Yang, Chao, Wang	No
Magnetic targeted near-infrared II PA/MR imaging guided photothermal therapy to trigger cancer immunotherapy	Theranostics	http://www.thno.org/v10p4997.htm	2020	Qinrui, Fu, Zhi, Li, Jiamin, Ye, Zhong, Li, Fengfu, Fu, Syue-Liang, Lin, Cheng Allen, Chang, Huanghao, Yang, Jibin, Song	No
Pancreatic tropism of metastatic renal cell carcinoma	JCI Insight	https://insight.jci.org/articles/view/134564	2020	Nirmish, Singla, Zhiqun, Xie, Ze, Zhang, Ming, Gao, Qurratulain, Yousuf, Oreoluwa, Onabolu, Tiffani, McKenzie, Vanina Toffessi, Tcheuyap, Yuanqing, Ma, Jacob, Choi, Renee, McKay, Alana, Christie, Oscar Reig, Torras, Isaac A., Bowman, Vitaly, Margulis, Ivan, Pedrosa, Christopher, Przybycin, Tao, Wang, Payal, Kapur, Brian, Rini, James, Brugarolas	No
Biogenic nanobubbles for effective oxygen delivery and enhanced photodynamic therapy of cancer	Acta Biomaterialia	https://linkinghub.elsevier.com/retrieve/pii/S1742706120301756	2020	Lin, Song, Guohao, Wang, Xuandi, Hou, Shashwati, Kala, Zhihai, Qiu, Kin Fung, Wong, Fei, Cao, Lei, Sun	No
Light-activated gold nanorod vesicles with NIR-II fluorescence and photoacoustic imaging performances for cancer theranostics	Theranostics	http://www.thno.org/v10p4809.htm	2020	Xiaoguang, Ge, Qinrui, Fu, Lichao, Su, Zhi, Li, Wenmin, Zhang, Tao, Chen, Huanghao, Yang, Jibin, Song	No
Biodegradable rare earth fluorochloride nanocrystals for phototheranostics	RSC Advances	http://xlink.rsc.org/?DOI=D0RA00760A	2020	Xinyu, Zhao, Qi, Yu, Jun, Yuan, Nitish V., Thakor, Mei Chee, Tan	No
A spontaneously metastatic model of bladder cancer: imaging characterization	Journal of Translational Medicine	https://doi.org/10.1186/s12967-019-02177-y	2019	James L., Tatum, Joseph D., Kalen, Paula M., Jacobs, Lilia V., Ileva, Lisa A., Riffle, Melinda G., Hollingshead, James H., Doroshov	No
Ultra-small Pyropheophorbide -a Nanodots for Near-infrared Fluorescence/Photoacoustic Imaging-guided Photodynamic Therapy	Theranostics	http://www.thno.org/v10p0062.htm	2020	Kittipan, Siwawanpong, Rui, Zhang, Huaili, Lei, Qutong, Jin, Wantao, Tang, Ziliang, Dong, Rung-Yi, Lai, Zhuang, Liu, Anyanee, Kamkaew, Liang, Cheng	No

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Biodegradation-Mediated Enzymatic Activity-Tunable Molybdenum Oxide Nanorichins for Tumor-Specific Cascade Catalytic Therapy	Journal of the American Chemical Society	https://pubs.acs.org/doi/10.1021/jacs.9b13586	2020	Xi, Hu, Fangyuan, Li, Fan, Xia, Xia, Guo, Nan, Wang, Lili, Liang, Bo, Yang, Kelong, Fan, Xiyun, Yan, Daishun, Ling	No
Biologically Responsive Plasmonic Assemblies for Second Near-Infrared Window Photoacoustic Imaging-Guided Concurrent Chemo-Immunotherapy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b07984	2020	Rong, Zhu, Lichao, Su, Jiyang, Dai, Zhan-Wei, Li, Shumeng, Bai, Qingqing, Li, Xiaoyuan, Chen, Jibin, Song, Huanghao, Yang	No
Sufficiency of CD40 activation and immune checkpoint blockade for T cell priming and tumor immunity	Proceedings of the National Academy of Sciences	http://www.pnas.org/lookup/doi/10.1073/pnas.1918971117	2020	Alexander H., Morrison, Mark S., Diamond, Ceire A., Hay, Katelyn T., Byrne, Robert H., Vonderheide	No
Senescence-Induced Vascular Remodeling Creates Therapeutic Vulnerabilities in Pancreas Cancer	Cell	https://doi.org/10.1016/j.cell.2020.03.008	2020	Marcus, Ruscetti, John P., Morris, Riccardo, Mezzadra, James, Russell, Josef, Leibold, Paul B., Romesser, Janelle, Simon, Amanda, Kulick, Yu-Jui, Ho, Myles, Fennell, Jinyang, Li, Robert J., Norgard, John E., Wilkinson, Direna, Alonso-Curbelo, Ramya, Sridharan, Daniel A., Heller, Elisa, de Stanchina, Ben Z, Stanger, Charles J, Sherr, Scott W, Lowe	No
LIN28B Underlies the Pathogenesis of a Subclass of Ewing Sarcoma	Cell Reports	https://linkinghub.elsevier.com/retrieve/pii/S2211124719317103	2020	Tugba, Keskin, Arnaud, Bakaric, Patricia, Waszyk, Gaylor, Boulay, Matteo, Torsello, Sandrine, Cornaz-Buros, Nadja, Chevalier, Thibaud, Geiser, Patricia, Martin, Angela, Volorio, Somnya, Iyer, Anupriya, Kulkarni, Igor, Letovanec, Stéphanie, Cherix, Gregory M., Cote, Edwin, Choy, Antonia, Digkila, Michael, Montemurro, Ivan, Chebib, Petur G., Nielsen, Angel M., Carcaboso, Jaume, Mora, Raffaele, Renella, Mario L., Suvà, Carlo, Fusco, Paolo, Provero, Miguel N., Rivera, Nicolò, Riggi, Ivan, Stamenkovic	No
Acute kidney injury promotes development of papillary renal cell adenoma and carcinoma from renal progenitor cells	Science Translational Medicine	https://stm.sciencemag.org/lookup/doi/10.1126/scitranslmed.aaw6003	2020	Anna Julie, Peired, Giulia, Antonelli, Maria Lucia, Angelotti, Marco, Allinovi, Francesco, Guzzi, Alessandro, Sisti, Roberto, Semeraro, Carolina, Conte, Benedetta, Mazzinghi, Sara, Nardi, Maria Elena, Melica, Letizia, De Chiara, Elena, Lazzeri, Laura, Lasagni, Tiziano, Lottini, Samuela, Landini, Sabrina, Giglio, Andrea, Mari, Fabrizio, Di Maida, Alessandro, Antonelli, Francesco, Porpiglia, Riccardo, Schiavina, Vincenzo, Ficarra, Davide, Facchiano, Mauro, Gacci, Sergio, Serni, Marco, Carini, George J, Netto, Rosa Maria, Roperto, Alberto, Magi, Christian Fynbo, Christiansen, Mario, Rotondi, Helen, Liapis, Hans-Joachim, Anders, Andrea, Minervini, Maria Rosaria, Raspollini, Paola, Romagnani	No
Coordination-induced exfoliation to monolayer Bi-anchored MnB₂ nanosheets for multimodal imaging-guided photothermal therapy of cancer	Theranostics	http://www.thno.org/v10p1861.htm	2020	Zhaokui, Jin, Danyang, Chen, Penghe, Zhao, Yanyuan, Wen, Mingqian, Fan, Gaoxin, Zhou, Yingshuai, Wang, Qianjun, He	No
Glucose Oxidase-Instructed Traceable Self-Oxygenation/Hyperthermia Dually Enhanced Cancer Starvation Therapy	Theranostics	http://www.thno.org/v10p1544.htm	2020	Ting, He, Han, Xu, Yifan, Zhang, Shijian, Yi, Run, Cui, Shaojun, Xing, Chaoliang, Wei, Jing, Lin, Peng, Huang	No
Novel Multifunctional Nanoagent for Visual Chemo/Photothermal Therapy of Metastatic Lymph Nodes via Lymphatic Delivery	ACS Omega	https://pubs.acs.org/doi/10.1021/acsomega.9b03258	2020	Juan, Cheng, Ying, Liu, Lingyun, He, Weimei, Liu, Yuli, Chen, Fengqiu, Liu, Yuan, Guo, Haitao, Ran, Lu, Yang	No
Mannose receptor (CD206) activation in tumor-associated macrophages enhances adaptive and innate antitumor immune responses	Science Translational Medicine	https://stm.sciencemag.org/lookup/doi/10.1126/scitranslmed.aax6337	2020	Jesse M., Jaynes, Rushikesh, Sable, Michael, Ronzetti, Wendy, Bautista, Zachary, Knotts, Abisola, Abisoye-Ogunniyan, Dandan, Li, Raul, Calvo, Myagmarjav, Dashnyam, Anju, Singh, Theresa, Guerin, Jason, White, Sarangan, Ravichandran, Parimal, Kumar, Keyur, Talsania, Vicky, Chen, Angheom, Ghebremedhin, Balasubramanyam, Karanam, Ahmad, Bin Salam, Ruksana, Amin, Taiwan, Odzorig, Taylor, Aiken, Victoria, Nguyen, Yansong, Bian, Jelani C., Zarif, Amber E., de Groot, Monika, Mehta, Lixin, Fan, Xin, Hu, Anton, Simeonov, Nathan, Pate, Mones, Abu-Asab, Marc, Ferrer, Noel, Southall, Chan-Young, Ock, Yongmei, Zhao, Henry, Lopez, Serguei, Kozlov, Natalia, de Val, Clayton C., Yates, Bolormaa, Baljinyam, Juan, Marugan, Udo, Rudloff	No
Co-delivery of Cu(II) chelator and chemotherapeutics as a new strategy for tumor theranostic	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2020.02.023	2020	Tao, Sun, Guangping, Zhang, Zhongyuan, Guo, Qinjun, Chen, Yujie, Zhang, Yongchao, Chu, Qin, Guo, Chao, Li, Wenxi, Zhou, Yiwen, Zhang, Peixin, Liu, Hongyi, Chen, Haijun, Yu, Liping, Jiang, Chen, Jiang	No
Systemic long-term inactivation of hypoxia-inducible factor prolyl 4-hydroxylase 2 ameliorates aging-induced changes in mice without affecting their life span	The FASEB Journal	https://onlinelibrary.wiley.com/doi/abs/10.1096/fj.2019023318	2020	Anna, Laitakari, Riikka, Huttunen, Paula, Kuvaja, Paulina, Hannuksela, Zoltan, Szabo, Minna, Heikkilä, Risto, Kerkelä, Johanna, Myllyharju, Elitsa Y., Dimova, Raisa, Serpi, Peppi, Koivunen	No
Tumor Microenvironment Adaptable Nanoplatfor for O₂ Self-Sufficient Chemo/Photodynamic Combination Therapy	Particle & Particle Systems Characterization	https://onlinelibrary.wiley.com/doi/abs/10.1002/ppsc.201900496	2020	Shi-Ying, Li, Lin-Ping, Zhao, Rong-Rong, Zheng, Gui-Ling, Fan, Ling-Shan, Liu, Xiang, Zhou, Xian-Tong, Chen, Xiao-Zhong, Qiu, Xi-Yong, Yu, Hong, Cheng	No
Sequential delivery of nanoformulated α-mangostin and triptolide overcomes permeation obstacles and improves therapeutic effects in pancreatic cancer	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119907	2020	Jingxian, Feng, Minjun, Xu, Jiahao, Wang, Songlei, Zhou, Yipu, Liu, Shanshan, Liu, Yukun, Huang, Yu, Chen, Liang, Chen, Qingxiang, Song, Jingru, Gong, Huping, Lu, Xiaoling, Gao, Jun, Chen	No
ILC2s amplify PD-1 blockade by activating tissue-specific cancer immunity	Nature	http://dx.doi.org/10.1038/s41586-020-2015-4	2020	John Alec, Moral, Joanne, Leung, Luis A., Rojas, Jennifer, Ruan, Julia, Zhao, Zachary, Sethna, Anita, Ramnarain, Billel, Gassmi, Murali, Gururajan, David, Redmond, Gokce, Askan, Umesh, Bhanot, Ela, Elyada, Youngkyu, Park, David A., Tuveson, Mithat, Gönen, Steven D., Leach, Jedd D., Wolchok, Ronald P., DeMatteo, Taha, Merghoub, Vinod P., Balachandran	No
Unique spectral signature of human cutaneous squamous cell carcinoma by photoacoustic imaging	Journal of Biophotonics	https://onlinelibrary.wiley.com/doi/abs/10.1002/jbio.201960212	2020	Jenny, Hult, Ulf, Dahlstrand, Aboma, Merdasa, Karin, Wickerström, Rehan, Chakari, Bertil, Persson, Magnus, Cinthio, Tobias, Erlöv, John, Albinsson, Bodil, Gesslein, Rafi, Sheikh, Malin, Malmjö	No
Prostate tumor-derived GDF11 accelerates androgen deprivation therapy-induced sarcopenia	JCI Insight	https://insight.jci.org/articles/view/127018	2020	Chunliu, Pan, Neha, Jaiswal Agrawal, Yanni, Zulia, Shalini, Singh, Kai, Sha, James L, Mohler, Kevin H, Eng, Joe V., Chakkalakal, John J, Krolewski, Kent L, Nastiuk	No
"All-in-One" Silver Nanoprism Platform for Targeted Tumor Theranostics	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.9b21166	2020	Xuemei, Zeng, Shuangqian, Yan, Chao, Di, Mengcheng, Lei, Peng, Chen, Wei, Du, Yang, Jin, Bi-Feng, Liu	No
Local delivery of dinutuximab from lyophilized silk fibroin foams for treatment of an orthotopic neuroblastoma model	Cancer Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/cam4.2936	2020	Kimberly J, Ornell, Jordan S, Taylor, Jasmine, Zeki, Naohiko, Ikegaki, Hiroyuki, Shimada, Jeannine M, Coburn, Bill, Chiu	No
Conjugation of a Scintillator Complex and Gold Nanorods for Dual-Modal Image-Guided Photothermal and X-ray-Induced Photodynamic Therapy of Tumors	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.0c01189	2020	Li, Luo, Wenjing, Sun, Yushuo, Feng, Ruixue, Qin, Jinghui, Zhang, Dandan, Ding, Tianhang, Shi, Xiangmei, Liu, Xiaoyuan, Chen, Hongmin, Chen	No
Enhancing sustained-release local therapy: Single versus dual chemotherapy for the treatment of neuroblastoma	Surgery	https://doi.org/10.1016/j.surg.2020.01.012	2020	Jordan S., Taylor, Burcin, Yavuz, Jasmine, Zeki, Lauren, Wood, Naohiko, Ikegaki, Jeannine, Coburn, Kristin, Harrington, Hiroyuki, Shimada, David L., Kaplan, Bill, Chiu	No
Anti-G250 nanobody-functionalized nanobubbles targeting renal cell carcinoma cells for ultrasound molecular imaging	Nanotechnology	https://iopscience.iop.org/article/10.1088/1361-6528/ab7040	2020	Zhiping, Yu, Ming, Hu, Zhouquan, Li, Dan Xu, Lianhua, Zhu, Yanli, Guo, Qili, Liu, Weihua, Lan, Jun, Jiang, Luofu, Wang	No
Development and Validation of a Clinically Relevant Workflow for MR-Guided Volumetric Arc Therapy in a Rabbit Model of Head and Neck Cancer	Cancers	https://www.mdpi.com/2072-6694/12/3/572	2020	Eftekar, Rajab Bolookat, Harish, Malhotra, Laurie J., Rich, Sandra, Sexton, Leslie, Curtin, Joseph A., Sperryak, Amurag K., Singh, Mukund, Seshadri	No
Clarithromycin inhibits autophagy in colorectal cancer by regulating the hERG1 potassium channel interaction with PI3K	Cell Death & Disease	http://dx.doi.org/10.1038/s41419-020-2349-8	2020	Giulia, Petroni, Giacomo, Bagni, Jessica, Iorio, Claudia, Duranti, Tiziano, Lottini, Matteo, Stefanini, Goran, Kragol, Andrea, Becchetti, Annarosa, Arcangeli	No

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Progression of ATL-like tumors in mice is driven by Th1 signature proteins and T-B cross talk	Blood Advances	https://ashpublications.org/bloodadvances/article/4/5/868/452609/Progression-of-...	2020	Mariko, Witalis, Jinsam, Chang, Ming-Chao, Zhong, Yasser, Bouklouch, Vincent, Panneton, Joanna, Li, Thorsten, Buch, Seok Jin, Kim, Won Seog, Kim, Young Hye, Ko, André, Veillette, Woong-Kyung, Suh	No
Inhibition of erythropoietin-producing hepatoma receptor B4 (EphB4) signaling suppresses the vascularization and growth of endometriotic lesions	British Journal of Pharmacology	https://onlinelibrary.wiley.com/doi/abs/10.1111/bph.15044	2020	Jeanette, Rudzitis-Auth, Sophia A. Fuß, Vivien, Becker, Michael D, Menger, Matthias W., Laschke	No
A Mitochondria-Driven Metabolic Sensing Nanosystem for Oxygen Availability and Energy Blockade of Cancer	Advanced Therapeutics	https://onlinelibrary.wiley.com/doi/abs/10.1002/adtp.202000019	2020	Shuang-shuang, Wan, Miao-deng, Liu, Qian, Cheng, Han, Cheng, Xian-zheng, Zhang	No
Development of a chimeric Fab directed against human galectin-3 and validation as an immune-PET tracer for the sensitive in vivo imaging of thyroid cancer	Thyroid	http://www.ncbi.nlm.nih.gov/pubmed/32200708	2020	Emanuel, Peplau, Francesco, De Rose, Sybille, Reder, Markus, Mittelhauser, Georgia, Scafetta, Markus, Schwaiger, Wolfgang A, Weber, Armando, Bartolazzi, Arne, Skerra, Calogero, D'Alessandria	No
In vivo delivery of an exogenous molecule into murine T lymphocytes using a lymphatic drug delivery system combined with sonoporation	Biochemical and Biophysical Research Communications	https://doi.org/10.1016/j.bbrc.2020.02.174	2020	Shigeki, Kato, Yuko, Shirai, Chihro, Motozono, Hiroyuki, Kanzaki, Shiro, Mori, Tetsuya, Kodama	No
Tumor-Specific Endogenous Fe II-Activated, MRI-Guided Self-Targeting Gadolinium-Coordinated Theranostic Nanoplateforms for Amplification of ROS and Enhanced Chemodynamic Chemotherapy	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.0c00970	2020	Zhongxiong, Fan, Beili, Jiang, Qixin, Zhu, Sijin, Xiang, Li, Tu, Yifan, Yang, Qingliang, Zhao, Doudou, Huang, Jian, Han, Guanghao, Su, Dongtao, Ge, Zhenqing, Hou	No
Multifunctional Nanoparticles for Multimodal Imaging-Guided Low-Intensity Focused Ultrasound/Immunosynthetic Retinoblastoma Therapy	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.9b22072	2020	Menglei, Wang, Qiming, Yang, Meng, Li, Hongmi, Zou, Zhiqiang, Wang, Haitao, Ran, Yuyang, Zheng, Jia, Jian, Yu, Zhou, Yindeng, Luo, Yijun, Ran, Shaohui, Jiang, Xiyuan, Zhou	No
Interstitial diffuse optical probe with spectral fitting to measure dynamic tumor hypoxia	Biomedical Physics & Engineering Express	https://iopscience.iop.org/article/10.1088/2057-1976/ab6e16	2020	Leonard, Che Fru, Steven L., Jacques, Kwangok P., Nickel, Tomy, Varghese, Michael W., Kissick, Larry A, DeWerd, Randall J., Kimple	No
Use of Transabdominal Ultrasound for the Detection of Intra-Peritoneal Tumor Engraftment and Growth in Mouse Xenografts of Epithelial Ovarian Cancer	bioRxiv Cancer Biology	http://biorxiv.org/cgi/content/short/2020.01.20.219420v17rs=1&utm_source=resear...	2020	Laura, Chambers, Emily, Esakov, Chad, Braley, Mariani, AlHilli, Chad, Michener, Ofer, Reizes	No
Biodegradable theranostic nanoplateforms of albumin-biomimetic nanocomposites modified hollow mesoporous organosilica for photoacoustic imaging-guided tumor synergistic therapy	Chemical Engineering Journal	https://doi.org/10.1016/j.cej.2020.124253	2020	Dejian, Li, Tao, Zhang, Chuwei, Min, Hui, Huang, Denghui, Tan, Wenguang, Gu	No
Melanin-instructed biomimetic synthesis of copper sulfide for cancer phototheranostics	Chemical Engineering Journal	https://doi.org/10.1016/j.cej.2020.124232	2020	Chao, Qi, Chao, Jiang, Lian-Hua, Fu, Tuanwei, Sun, Tianfu, Wang, Jing, Lin, Zhihong, Nie, Peng, Huang	No
Long-Circulating Drug-Dye-Based Micelles with Ultrahigh pH-Sensitivity for Deep Tumor Penetration and Superior Chemo-Photothermal Therapy	Advanced Functional Materials	https://onlinelibrary.wiley.com/doi/abs/10.1002/adfm.201906309	2020	Cunfeng, Song, Yugang, Li, Tianliang, Li, Yuming, Yang, Zhicheng, Huang, Jesús Martínez, de la Fuente, Jian, Ni, Daxiang, Cui	No
Surface-modified GVs as nanosized contrast agents for molecular ultrasound imaging of tumor	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119803	2020	Guohao, Wang, Lin, Song, Xuandi, Hou, Shashwati, Kala, Kin Fung, Wong, Liya, Tang, Yunlu, Dai, Lei, Sun	No
Less is more: Silver-AIE core@shell nanoparticles for multimodal cancer imaging and synergistic therapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119834	2020	Xuewen, He, Chen, Peng, Sujing, Qiang, Ling-Hong, Xiong, Zheng, Zhao, Zaiyu, Wang, Ryan T.K., Kwok, Jacky W.Y., Lam, Nan, Ma, Ben Zhong, Tang	No
Bovine HDL and Dual Domain HDL-Mimetic Peptides Inhibit Tumor Develop- ment in Mice	Journal of Cancer Research and Therapeutic Oncology	http://www.ischolaronline.org/full-text/CRT0/8_101/Bovine-HDL.php	2020	Feng, Su, Anantharamaiah, GM, Mayakonda N., Palgunachari, C. Roger, White, Holly, Stessman, Yanyuan, Wu, Jay, Vadgama, Richard, Pietras, Dorothy, Nguyen, Srinivasa T., Reddy, Robin, Farias-Eisner	No
Detection of Lung Tumor Progression in Mice by Ultrasound Imaging	Journal of Visualized Experiments	https://www.jove.com/video/60565/detection-of-lung-tumor-progression-in-mice-by-...	2020	Nour, Ghaddar, Shuo, Wang, Véronique, Michaud, Ursula, Kazimierczak, Nicolas, Ah-son, Antonis E., Koromilas	No
Gambogic acid augments black phosphorus quantum dots (BPODs)-based synergistic chemo-photothermal therapy through downregulating heat shock protein expression	Chemical Engineering Journal	https://doi.org/10.1016/j.cej.2020.124312	2020	Biao-Qi, Chen, Ranjith Kumar, Kankala, Yang, Zhang, Shu-Ting, Xiang, Han-Xiao, Tang, Qi, Wang, Da-Yun, Yang, Shi-Bin, Wang, Yu Shrike, Zhang, Gang, Liu, Ai-Zheng, Chen	No
Microvascular Ultrasonic Imaging of Angiogenesis Identifies Tumors in a Murine Spontaneous Breast Cancer Model	International Journal of Biomedical Imaging	https://www.hindawi.com/journals/ijbi/2020/7862089/	2020	Sarah E., Shelton, Jodi, Stone, Fei, Gao, Donglin, Zeng, Paul A., Dayton	No
Rod-based urchin-like hollow microspheres of Bi2S3: Facile synthesis, photo-controlled drug release for photoacoustic imaging and chemo-photothermal therapy of tumor ablation	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119835	2020	Chenyang, Zhang, Dongdong, Li, Pei, Pei, Wannu, Wang, Benjin, Chen, Zhaoyou, Chu, Zhengbao, Zha, Xianzhu, Yang, Jibing, Wang, Haisheng, Qian	No
PEGylated folic acid-modified black phosphorus quantum dots as near-infrared agents for dual-modality imaging-guided selective cancer cell destruction	Nanophotonics	http://www.degruyter.com/view/j/nanoph-ahead-of-print/nanoph-2019-0506/nanoph-2...	2020	Jing, Wang, Dong, Liang, Zehua, Qu, Ivan M., Kislyakov, Valery M., Kiselev, Jun, Liu	No
Carbon-coated FeCo nanoparticles as sensitive magnetic-particle-imaging tracers with photothermal and magnetothermal properties	Nature Biomedical Engineering	http://dx.doi.org/10.1038/s41551-019-0506-0	2020	Guosheng, Song, Michael, Kenney, Yun-Sheng, Chen, Xianchuang, Zheng, Yong, Deng, Zhuo, Chen, Shan X., Wang, Sanjiv Sam, Gambhir, Hongjie, Dai, Jianghong, Rao	No
B cell-Derived IL35 Drives STAT3-Dependent CD8 + T-cell Exclusion in Pancreatic Cancer	Cancer Immunology Research	http://cancerimmunres.aacrjournals.org/lookup/doi/10.1158/2326-6066.CIR-19-03...	2020	Bhalchandra, Mirlekar, Daniel, Michaud, Samuel J., Lee, Nancy P., Kren, Cameron, Harris, Kevin, Greene, Emily C., Goldman, Gaorav P., Gupta, Ryan C., Fields, William G., Hawkins, David G., DeNardo, Naim U., Rashid, Jen Jen, Yeh, Autumn J., McRee, Benjamin G., Vincent, Dario A.A., Vignali, Yuliya, Pylayeva-Gupta	No
Fluorinated Chitosan To Enhance Transmucosal Delivery of Sonosensitizer-Conjugated Catalase for Sonodynamic Bladder Cancer Treatment Post-intravesical Instillation	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b06689	2020	Guangzhi, Li, Shupeng, Wang, Dashi, Deng, Zhisheng, Xiao, Ziliang, Dong, Zhiping, Wang, Qifang, Lei, Shan, Gao, Guixiao, Huang, Enpu, Zhang, Guohua, Zeng, Zhong, Wen, Song, Wu, Zhuang, Liu	No
Stromal Modulation and Treatment of Metastatic Pancreatic Cancer with Local Intraperitoneal Triple miRNA/siRNA Nanotherapy	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.9b03978	2020	Ying, Xie, Yu, Hang, Yazhe, Wang, Richard, Sleightholm, Dipakumar R., Prajapati, Johannes, Bader, Ao, Yu, Weimin, Tang, Lee, Jaramillo, Jing, Li, Rakesh K., Singh, David, Oupicky	No
Accelerating development of high-risk neuroblastoma patient-derived xenograft models for preclinical testing and personalised therapy	British Journal of Cancer	http://dx.doi.org/10.1038/s41416-019-0682-4	2020	Alvin, Kamili, Andrew J., Gifford, Nancy, Li, Chelsea, Mayoh, Shu-Of, Chow, Timothy W., Falles, Georgina L., Eden, Roxanne, Cadiz, Jinhan, Xie, Robyn E., Lukeis, Murray D., Norris, Michelle, Haber, Geoffrey B., McCowage, Greg M., Arndt, Toby N., Trahair, Jamie I., Fletcher	No
Janus γ-Fe2O3/SiO2-based nanotheranostics for dual-modal imaging and enhanced synergistic cancer starvation/chemodynamic therapy	Science Bulletin	https://doi.org/10.1016/j.sci.2019.12.024	2020	Yifan, Zhang, Yilin, Wan, Yunyan, Liao, Yanjie, Hu, Tao, Jiang, Ting, He, Wei, Bi, Jing, Lin, Peng, Gong, Longhua, Tang, Peng, Huang	No
Porphyrin-palladium hydride MOF nanoparticles for tumor-targeting photoacoustic imaging-guided hydrogenothermal cancer therapy	Nanoscale Horizons	http://xlink.rsc.org/?DOI=C9NH00021F	2019	Gaoxin, Zhou, Ying Shuai, Wang, Zhaokui, Jin, Penghe, Zhao, Han, Zhang, Yanyuan, Wen, Qianjun, He	No
Molecular Engineered Squaraine Nanoprobe for NIR-II/Photoacoustic Imaging and Photothermal Therapy of Metastatic Breast Cancer	ACS Applied Materials & Interfaces	https://pubs.acs.org/doi/10.1021/acsmi.9b20147	2020	Defan, Yao, Yanshu, Wang, Rongfeng, Zou, Kexin, Bian, Pei, Liu, Shuzhan, Shen, Weitao, Yang, Bingbo, Zhang, Dengbin, Wang	No
Cathodic-protected Mn2+ by NaWO3 nanorods for stable magnetic resonance imaging-guided tumor photothermal therapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119762	2020	Yang, Liu, Shiman, Wu, Yanyan, Liu, Hua, Zhang, Meng, Zhang, Zhongmin, Tang, Yan, Wang, Teng, Gong, Zhenwei, Yao, Xiangming, Fang, Wenbo, Bu	No
Light-activated oxygen self-supplied starving therapy in near-infrared (NIR) window and adjuvant hyperthermia-induced tumor ablation with an augmented sensitivity	Biomaterials	https://doi.org/10.1016/j.biomaterials.2020.119771	2020	Junjie, Ren, Lei, Zhang, Jiayi, Zhang, Wei, Zhang, Yang, Cao, Zhiqiang, Xu, Hongjun, Cui, Yuejun, Kang, Peng, Xue	No
Intrinsically absorbing photoacoustic and ultrasound contrast agents for cancer therapy and imaging	Nanotechnology	http://dx.doi.org/10.1088/1361-6528/aad7bc	2018	Donald A., Fernandes, Michael C., Kolios	No
Cavitation-induced release of liposomal chemotherapy in orthotopic murine pancreatic cancer models: A feasibility study	Clinics and Research in Hepatology and Gastroenterology	https://doi.org/10.1016/j.clinre.2019.02.015	2019	Marine, Camus, Ariane, Vienne, Jean-Louis, Mestas, Carlos, Pratico, Carole, Nicco, Christiane, Chereau, Jean-Marial, Marie, Alexei, Mousstov, Gilles, Renault, Frederic, Batteux, Cyril, Lafon, Frederic, Prat	No

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Novel small molecular dye-loaded lipid nanoparticles with efficient near-infrared-II absorption for photoacoustic imaging and photothermal therapy of hepatocellular carcinoma	Biomaterials Science	http://pubs.rsc.org/en/Content/ArticleLanding/2019/BM/C9BM00528E	2019	Qingshan, Chen, Jingqin, Chen, Mu, He, Yuanyuan, Bai, Huixiang, Yan, Ning, Zeng, Fangyan, Liu, Sai, Wen, Liang, Song, Zonghai, Sheng, Chengbo, Liu, Chihua, Fang	No
Selective EGln Inhibition Enables Ablative Radiotherapy and Improves Survival in Unresectable Pancreatic Cancer	Cancer Research	http://cancerres.aacrjournals.org/lookup/doi/10.1158/0008-5472.CAN.18-1785x.0Aht...	2019	Tara N., Fujimoto, Lauren E., Colbert, Yanqing, Huang, Jessica M., Molkenhine, Amit, Deorukhkar, Laura, Baseler, Marimar de la Cruz, Bonilla, Melfang, Yu, Daniel, Lin, Sonal, Gupta, Peter K., Cabeceras, Charles V., Kingsley, Ramesh C., Tallor, Gabriel O., Sawakuchi, Eugene J., Koay, Helen, Pwnica-Worms, Anirban, Maitra, Cullen M., Taniguchi	No
On-Demand Detaching Nanosystem for the Spatiotemporal Control of Cancer Theranostics	ACS Applied Materials & Interfaces	http://pubs.acs.org/doi/10.1021/acsami.9b02062	2019	Tianzhi, Liu, Qian, Wan, Yu, Luo, Mengjie, Chen, Chao, Zou, Ming, Ma, Xin, Liu, Hangrong, Chen	No
Ultrasound multiple scattering with microbubbles can differentiate between tumor and healthy tissue in vivo	Physics in Medicine and Biology	http://iopscience.iop.org/article/10.1088/1361-6560/ab1a44	2019	Kaustav, Mohanty, Virginie, Papadopolou, Isabel G, Newsome, Sarah, Shelton, Paul A, Dayton, Marie, Muller	No
Complete Regression of Advanced Pancreatic Ductal Adenocarcinomas upon Combined Inhibition of EGFR and C-RAF	Cancer Cell	https://linkinghub.elsevier.com/retrieve/pii/S1535610819301114	2019	María Teresa, Blasco, Carolina, Navas, Guillermo, Martín-Serrano, Osvaldo, Graña-Castro, Carmen G., Lechuga, Laura, Martín-Díaz, Magdolna, Djurec, Jing, Li, Lucia, Morales-Cacho, Laura, Esteban-Burgos, Javier, Perales-Patón, Emilie, Bousquet-Mur, Eva, Castellano, Harrys K.C., Jacob, Lavinia, Cabras, Monica, Musteanu, Matthias, Drost, Sagrario, Ortega, Francisca, Mulero, Bruno, Sainz, Nelson, Dusetti, Juan, Iovanna, Francisco, Sánchez-Bueno, Manuel, Hidalgo, Hossein, Khiabani, Raul, Rabadán, Fátima, Al-Shahrour, Carmen, Guerra, Mariano, Barbacid	No
Lipid Shell Composition Plays a Critical Role in the Stable Size Reduction of Perfluorocarbon Nanodroplets	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562919300766	2019	Steven K., Yarmoska, Heechul, Yoon, Stanislav Y., Emelianov	No
Berberine nanoparticles for promising sonodynamic therapy of a HeLa xenograft tumour	RSC Advances	http://xlink.rsc.org/DOI=C8RA09172B	2019	Hanqing, Liu, Tingting, Zheng, Ziqian, Zhou, Azhen, Hu, Minghua, Li, Zhuxia, Zhang, Guangyin, Yu, Huanhuan, Feng, Yawen, An, Jiao, Peng, Yun, Chen	No
Insights into photoacoustic speckle and applications in tumor characterization	Photoacoustics	https://linkinghub.elsevier.com/retrieve/pii/S221359791830048X	2019	Eno, Hysi, Muhannad N., Fadhil, Michael J., Moore, Jason, Zalev, Eric M., Strohm, Michael C., Kolios	No
Small gold nanorods-loaded hybrid albumin nanoparticles with high photothermal efficacy for tumor ablation	Colloids and Surfaces B: Biointerfaces	https://www.sciencedirect.com/science/article/pii/S0927776519302176?dgcid=erss_s...	2019	Bohyung, Seo, Kyungseop, Lim, Sung Soo, Kim, Kyung Taek, Oh, Eun Seong, Lee, Han-Gon, Choi, Beom Soo, Shin, Yu Seok, Youn	No
Treatment of false-negative metastatic lymph nodes by a lymphatic drug delivery system with 5-fluorouracil	Cancer Medicine	https://onlinelibrary.wiley.com/doi/abs/10.1002/cam4.2125	2019	Honoka, Fujii, Sachiko, Horie, Ariunbuyan, Sukhbaatar, Radhika, Mishra, Maya, Sakamoto, Shiro, Mori, Tetsuya, Kodama	No
Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium	Nature Biomedical Engineering	http://dx.doi.org/10.1038/s41551-018-0334-7	2019	Giorgio, Seano, Hadi T., Nia, Kyrre E., Emblem, Meenal, Datta, Jun, Ren, Shanmugarajan, Krishnan, Jonas, Kloepper, Marco C., Pinho, William W., Ho, Mitrajit, Ghosh, Vasileios, Askoxylyakis, Gino B., Ferraro, Lars, Riedemann, Elizabeth R., Gerstner, Tracy T., Batchelor, Patrick T., Wen, Nancy U., Lin, Alan J., Grodzinsky, Dai, Fukumura, Peigen, Huang, James W., Baish, Timothy P., Padera, Lance L., Munn, Rakesh K., Jain	No
Polypyrrole-coated phase-change liquid perfluorocarbon nanoparticles for the visualized photothermal-chemotherapy of breast cancer	Acta Biomaterialia	https://linkinghub.elsevier.com/retrieve/pii/S1742706119302326	2019	Qiang, Yang, Pan, Li, Haitao, Ran, jingyuan, Wan, Huan, Chen, Huali, Chen, Zhigang, Wang, Liangke, Zhang	No
68 Ga-DOTA-E[RGDFK] 2 Positron Emission Tomography Imaging of SHARPIN-Regulated Integrin Activity in Mice	Journal of Nuclear Medicine	http://jnm.snmjournals.org/lookup/doi/10.2967/jnumed.118.222026	2019	Riikka, Siitonen, Emilia, Peuhu, Anu K, Autio, Heidi, Liljenbäck, Elina, Mattila, Olli, Metsälä, Meeri, Käkälä, Tiina, Saanijoki, Ingrid, Dijkgraaf, Sirpa, Jalkanen, Johanna, Ivaska, Anne, Roinainen	No
Silk Reservoirs for Local Delivery of Cisplatin for Neuroblastoma Treatment: In Vitro and In Vivo Evaluations	Journal of Pharmaceutical Sciences	https://linkinghub.elsevier.com/retrieve/pii/S0022354919301686	2019	Burcin, Yavuz, Jasmine, Zeki, Jordan, Taylor, Kristin, Harrington, Jeannine M., Coburn, Naohiko, Ikegaki, David L., Kaplan, Bill, Chiu	No
Multispectral photoacoustic imaging for the detection of subclinical melanoma	Journal of Surgical Oncology		2019	Andrew J., Sinnamon, Madalyn G., Neuwirth, Yun, Song, Susan M., Schultz, Shujing, Liu, Xiaowei, Xu, Chandra M., Sehgal, Giorgos C., Karakousis	No
mTOR inhibition affects Yap1-6amp;#x3B2;-catenin-induced hepatoblastoma growth and development	Oncotarget	http://www.oncotarget.com/fulltext/26668	2019	Laura, Molina, Hong, Yang, Adeola O. Adebayo, Michael, Michael, Oertel, Aaron, Bell, Sucha, Singh, Xin, Chen, Junyan, Tao, Satdarshan P.S., Monga	No
Noninvasive Contrast-Free 3D Evaluation of Tumor Angiogenesis with Ultrasensitive Ultrasound Microvessel Imaging	Scientific Reports	http://www.nature.com/articles/s41598-019-41373-0	2019	Chengyu, Huang, Matthew R., Lowerison, Fabrice, Lucien, Ping, Gong, Diping, Wang, Pengfei, Song, Shigao, Chen	No
Ultrasmall Cu2-xS nanodots as photothermal-enhanced Fenton nanocatalysts for synergistic tumor therapy at NIR-II biowindow	Biomaterials	https://doi.org/10.1016/j.biomaterials.2019.03.014	2019	Ruizhi, Hu, Yan, Fang, Mingfeng, Huo, Heliang, Yao, Chunmei, Wang, Yu, Chen, Rong, Wu	No
Radioembolization of Hepatocellular Carcinoma with Built-In Dosimetry: First in vivo Results with Uniformly-Sized, Biodegradable Microspheres Labeled with 188 Re	Theranostics	http://www.thno.org/v09p0868.htm	2019	José Carlos De La, Vega, Pedro Luis, Esquinas, Cristina, Rodríguez-Rodríguez, Mehrdad, Bokharaei, Igor, Moskalev, David, Liu, Katayoun, Saatchi, Urs O., Häfeli	No
Cytosolic 5'-nucleotidase 1A is overexpressed in pancreatic cancer and mediates gemcitabine resistance by reducing intracellular gemcitabine metabolites	EBioMedicine	https://doi.org/10.1016/j.ebiom.2019.01.037	2019	Melanie S., Patzak, Vijayalakshmi, Kari, Shilpa, Patil, Feda H., Hamdan, Robert G., Goetze, Marius, Brunner, Jochen, Gaedcke, Julia, Kitz, Duncan I., Jodrell, Frances M., Richards, Christian, Pilarsky, Robert, Gruetzmann, Petra, Rümmele, Thomas, Kniesel, Elisabeth, Hessmann, Volker, Ellenrieder, Steven A., Johnsen, Albrecht, Neesse	No
Data processing of 3D and 4D in-vivo electron paramagnetic resonance imaging co-registered with ultrasound, 3D printing as a registration tool	Computers & Electrical Engineering	https://linkinghub.elsevier.com/retrieve/pii/S0045790617334560	2019	M., Gonet, B., Epel, M., Elas	No
Inhibiting Glutamine-Dependent mTORC1 Activation Ameliorates Liver Cancers Driven by B-Catenin Mutations	Cell Metabolism	https://linkinghub.elsevier.com/retrieve/pii/S1550413119300026	2019	Adeola O., Adebayo Michael, Sungjin, Ko, Junyan, Tao, Akshata, Moghe, Hong, Yang, Meng, Xu, Jacquelyn O., Russell, Tirhadipa, Pradhan-Sundd, Silvia, Liu, Sucha, Singh, Minakshi, Poddar, Jayvir S., Monga, Pin, Liu, Michael, Oertel, Sarangarajan, Ranganathan, Aatur, Singhi, Sandra, Rebouissou, Jessica, Zucman-Rossi, Silvia, Ribback, Diego, Calvisi, Natalia, Qvarnshvava, Boris, Görg, Dieter, Häussinger, Xin, Chen, Satdarshan P., Monga	No
Use of Antimetastatic SOD3-Mimetic Albumin as a Primer in Triple Negative Breast Cancer	Journal of Oncology	https://www.hindawi.com/journals/jo/2019/3253696/	2019	Shanta M, Messerli, Amanda M, Schaefer, Yongxing, Zhuang, Bohdan J, Soltys, Noah, Keime, Jenny, Jin, Li, Ma, Carleton J C, Hsia, W Keith, Miskimins	No
Mild hyperthermia as a localized radiosensitizer for deep-seated tumors: investigation in an orthotopic prostate cancer model in mice	The British Journal of Radiology	http://dx.doi.org/10.1016/j.bjro.2019.10.003	2019	Justin, Cohen, Akbar, Anvari, Santanu, Samanta, Yannick, Poirier, Sandrine, Soman, Allen, Alexander, Maida, Ranjbar, Ramilda, Pavlovic, Andrew, Zodda, Isabel L, Jackson, Javed, Mahmood, Zeljko, Vujaskovic, Amit, Sawant	No
Down-regulation of MYCN protein by CX-5461 leads to neuroblastoma tumor growth suppression	Journal of Pediatric Surgery	https://doi.org/10.1016/j.jpedsurg.2019.02.028	2019	Jordan S., Taylor, Jasmine, Zeki, Kimberly, Ornell, Jeannine, Coburn, Hiroyuki, Shimada, Naohiko, Ikegaki, Bill, Chiu	No
Multifunctional nanoplatfrom for photoacoustic imaging-guided combined therapy enhanced by CO induced ferroptosis	Biomaterials	https://linkinghub.elsevier.com/retrieve/pii/S0142961219300444	2019	Xianxian, Yao, Peng, Yang, Zhao, Jinqin, Qin, Jiang, Ranran, Guo, Ruihong, Xie, Qianjun, He, Wuli, Yang	No
Efficient prostate cancer therapy with tissue-specific homing peptides identified by advanced phage display technology	Molecular Therapy - Oncolytics	https://linkinghub.elsevier.com/retrieve/pii/S2327270519300014	2019	Akinori, Wada, Tomoya, Terashima, Susumu, Kageyama, Tetsuya, Yoshida, Mitsunori, Narita, Akhiro, Kawachi, Hideto, Kojima	No
Oxygenated theranostic nanoplatfroms with intracellular agglomeration behavior for improving the treatment efficacy of hypoxic tumors	Biomaterials	https://linkinghub.elsevier.com/retrieve/pii/S014296121930002X	2019	Jun, Zhou, Chencheng, Xue, Yanhua, Hou, Menghuan, Li, Yan, Hu, Qifang, Chen, Yanan, Li, Ke, Li, Guanbin, Song, Kaiyong, Cai, Zhong, Luo	No

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Imaging of the Mouse Lymphatic Sinus during Early Stage Lymph Node Metastasis Using Intracranial Lymphangiography with X-ray Micro-computed Tomography	Molecular Imaging and Biology	http://link.springer.com/10.1007/s11307-018-01303-4	2019	Ryo, Iwamura, Maya, Sakamoto, Shiro, Mori, Tetsuya, Kodama	No
Chlorella-gold nanorods hydrogels generating photosynthesis-derived oxygen and mild heat for the treatment of hypoxic breast cancer	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2018.12.011	2019	Changkyu, Lee, Kyungseop, Lim, Sung Soo, Kim, Le Xuan, Thien, Eun Seong, Lee, Kyung Taek, Oh, Han-Gon, Choi, Yu Seok, Youn	No
Specific delivery of delta-5-desaturase siRNA via RNA nanoparticles supplemented with ribonucleic acid for colon cancer suppression	Redox Biology	https://linkinghub.elsevier.com/retrieve/pii/S2213231718310206	2019	Yi, Xu, Lizi, Pang, Hongzhi, Wang, Congcong, Xu, Harshit, Shah, Peixuan, Guo, Dan, Shu, Steven Y., Qian	No
Species-dependent extracranial manifestations of a brain seeking breast cancer cell line	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0208340	2018	Valerie, De Meulenaere, Sara, Neyt, Bert, Vandeghinste, Pieter, Mollet, Olivier, De Wever, Elke, Decrooc, Luc, Leybaert, Ingeborg, Goethals, Christian, Vanhove, Benedicte, Descamps, Karel, Deblaire	No
Contrast-enhanced ultrasound for ovary assessment in a murine model: preliminary findings on the protective role of a gonadotropin-releasing hormone analogue from chemotherapy-induced ovarian damage	European Radiology Experimental	https://euradioloxp.springeropen.com/articles/10.1186/s41747-018-0076-z	2018	Massimo, Venturini, Alice, Bergamini, Laura, Perani, Ana Maria, Sanchez, Elena Giulia, Rossi, Anna, Colarieti, Micaela, Petrone, Francesco, De Cobelli, Alessandro, Del Maschio, Paola, Viganò, Giorgia, Mangili, Massimo, Candiani, Carlo, Tacchetti, Antonio, Esposito	No
Stemness marker ALDH1A1 promotes tumor angiogenesis via retinoic acid/HIF-1α/VEGF signalling in MCF-7 breast cancer cells	Journal of Experimental & Clinical Cancer Research	https://ejcr.biomedcentral.com/articles/10.1186/s13046-018-0975-0	2018	Valerio, Ciccone, Erika, Terzuoli, Sandra, Donnini, Antonio, Giachetti, Lucia, Morbidelli, Marina, Ziche	No
Sonodynamic Therapy on Intracranial Glioblastoma Xenografts Using Sinoporphyrin Sodium Delivered by Ultrasound with Microbubbles	Annals of Biomedical Engineering	http://link.springer.com/10.1007/s10439-018-02141-9	2018	Zhaoke, Pi, Yongpeng, Huang, Yuanyuan, Shen, Xiaojun, Zeng, Yaxin, Hu, Tie, Chen, Chenyang, Li, Hao, Yu, Siping, Chen, Xin, Chen	No
Acidic pH-responsive polymer nanoparticles as a TLR7/8 agonist delivery platform for cancer immunotherapy	Nanoscale	http://xlink.rsc.org/?DOI=C8NR07201A	2018	Hyunjoon, Kim, Drishti, Sehgal, Tamara A., Kucaba, David M., Ferguson, Thomas S., Griffith, Jayanth, Panyam	No
SDF-1-loaded PLGA nanoparticles for the targeted photoacoustic imaging and photothermal therapy of metastatic lymph nodes in tongue squamous cell carcinoma	International Journal of Pharmaceutics	https://doi.org/10.1016/j.ijpharm.2018.10.064	2019	Jun, Xiong, JiLi, Feng, Lihua, Qiu, Zhi, Gao, Pan, Li, Liang, Pang, Zewei, Zhang	No
Facile fabrication of highly photothermal-effective albumin-assisted gold nanoclusters for treating breast cancer	International Journal of Pharmaceutics	https://doi.org/10.1016/j.ijpharm.2018.10.063	2018	Sungjin, Lee, Changkyu, Lee, Sanghyun, Park, Kyungseop, Lim, Sung Soo, Kim, Jong Oh, Kim, Eun Seong, Lee, Kyung Taek, Oh, Han Gon, Choi, Yu Seok, Youn	No
Lestaurtinib is a potent inhibitor of anaplastic thyroid cancer cell line models	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0207152	2018	Nicole, Pinto, Stephenie D., Prokopec, Frederick, Vizeacoumar, Karlee, Searle, Matthew, Lowerison, Kara M., Ruicci, John, Yoo, Kevin, Fun, Danielle, MacNeil, Jim C., Laceyfield, Hon S., Leong, Joe S., Mymryk, John W., Barrett, Alessandro, Datti, Paul C., Boutros, Anthony C., Nichols	No
Evaluation of pancreatic tumor development in KPC mice using multi-parametric MRI	Cancer Imaging	https://cancerimagingjournal.biomedcentral.com/articles/10.1186/s40644-018-0172-...	2018	Ravneet, Vohra, Joshua, Park, Yak-Nam, Wang, Kayla, Gravelle, Stella, Whang, Joo-Ha, Hwang, Donghoun, Lee	No
Tumor cell invasion from the marginal sinus into extranodal veins during early-stage lymph node metastasis can be a starting point for hematogenous metastasis	Journal of Cancer Metastasis and Treatment	http://jcmjournal.com/article/view/2893	2018	Tetsuya, Kodama, Shiro, Mori, Masato, Nose	No
Enhancing Checkpoint Inhibitor Therapy with Ultrasound Stimulated Microbubbles	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562918304307	2018	Sharshi, Bulner, Aaron, Prodeus, Jean, Garipey, Kulervo, Hynynen, David E., Goertz	No
pH/NIR-responsive semiconducting polymer nanoparticles for highly effective photoacoustic image guided chemo-photothermal synergistic therapy	Journal of Controlled Release	https://linkinghub.elsevier.com/retrieve/pii/S0168365918306539	2019	Yu, Xu, Jia, Chen, Li, Tong, Peng, Su, Yunfei, Liu, Bingbing, Gu, Biqing, Bao, Lianhui, Wang	No
Nonlinear ultrasound parameter to monitor cell death in cancer cell samples	The Journal of the Acoustical Society of America	http://asa.scitation.org/doi/10.1121/1.5066348	2018	Pauline, Muleki-Seya, Cédric, Payan, Laure, Ballese, Régine, Guillemain, Sandrine, Roffino, Benjamin, Guillet, Emilie, Franceschini	No
A Multimodal Molecular Imaging Study Evaluates Pharmacological Alteration of the Tumor Microenvironment to Improve Radiation Response	Cancer Research	http://cancerres.aacrjournals.org/lookup/doi/10.1158/0008-5472.CAN-18-1654	2018	Yoichi, Takakusagi, Sarwat, Naz, Kaori, Takakusagi, Masahiro, Ishima, Hiroshi, Murata, Keisuke, Ohta, Masahiko, Miura, Fumio, Sugawara, Kengo, Sakaguchi, Shun, Kishimoto, Jeeva P, Munasinghe, James B, Mitchell, Murali C, Krishna	No
Abstract 2833: Epithelial cell adhesion molecule (EpCAM) is associated with prostate cancer progression and chemo-radio-resistance in vitro and in vivo	Cancer Research	http://www.embase.com/search/results?subaction=viewrecord&from=export&id=L61856...	2017	Jie, Ni, Paul, Cozzi, Julia, Beretov, Junli, Deng, Joseph, Buccì, Peter, Graham, Yong, Li	No
Erythrocyte-cancer hybrid membrane-camouflaged melanin nanoparticles for enhancing photothermal therapy efficacy in tumors	Biomaterials	https://linkinghub.elsevier.com/retrieve/pii/S0142961218307981	2019	Qin, Jiang, Yao, Liu, Ranran, Guo, Xianxian, Yao, Seunghyun, Sung, Zhiqing, Pang, Wuli, Yang	No
Noninvasive quantification of oxygen saturation in the portal and hepatic veins in healthy mice and those with colorectal liver metastases using OSM MRI	Magnetic Resonance in Medicine	http://doi.wiley.com/10.1002/mrm.27571	2018	Eoin, Finnerty, Rajiv, Ramasawmy, James, O'Callaghan, John J., Connell, Mark, Lythgoe, Karin, Shmueli, David L., Thomas, Simon, Walker-Samuel	No
Conditional knockout of SHP2 in ErbB2 transgenic mice or inhibition in HER2-amplified breast cancer cell lines blocks oncogene expression and tumorigenesis	Oncogene	http://www.nature.com/articles/s41388-018-0574-8	2018	Hua, Zhao, Elisha, Martin, Fatimah, Matakah, Neal, Shah, Alexey, Ivanov, J. Michael, Ruppert, Paul R., Lockman, Yehenev M., Agazie	No
Chemodrug-Gated Biodegradable Hollow Mesoporous Organosilica Nanotherapeutics for Multimodal Imaging-Guided Low-Temperature Photothermal Therapy/Chemotherapy of Cancer	ACS Applied Materials & Interfaces	http://dx.doi.org/10.1021/acsami.8b16448	2018	Jianrong, Wu, David H, Bremner, Shiwei, Niu, Menghan, Shi, Haijun, Wang, Ranran, Tang, Li-Min, Zhu	No
RET, a Targetable Driver of Pancreatic Adenocarcinoma	International Journal of Cancer	http://doi.wiley.com/10.1002/ijc.32040	2018	Moran, Amit, Shorook, Na'ara, Eran, Friedman, Evgeni, Vladovski, Tanya, Wasserman, Neta, Milman, Ziv, Gil	No
Integration of Polymerization and Biomaterialization as a Strategy to Facilitate Synthesis of Nanotherapeutic Agents	ACS Nano	http://pubs.acs.org/doi/10.1021/acsnano.8b07584	2018	Bing, Xiao, Xiaoxuan, Zhou, Hongxia, Xu, Bihan, Wu, Ding, Hu, Hongjie, Hu, Kanyu, Pu, Zhuxian, Zhou, Xiangrui, Liu, Jianbin, Tang, Youqing, Shen	No
In Vivo Molecular Ultrasound Assessment of Glioblastoma Neovasculation with Endoglin-Targeted Microbubbles	Contrast Media & Molecular Imaging	https://www.hindawi.com/journals/cmim/2018/8425495/	2018	Cheng, Liu, Fei, Yan, Yajie, Xu, Hairong, Zheng, Lei, Sun	No
Remodeling Tumor-Associated Macrophages and Neovascularization Overcomes EGFR T790M-Associated Drug Resistance by PD-L1 Nanobody-Mediated Codelivery	Small	http://doi.wiley.com/10.1002/smll.201802372	2018	Weimin, Yin, Xiaolu, Yu, Xuejia, Kang, Yuge, Zhao, Pengfei, Zhao, Hongyue, Jin, Xuhong, Fu, Yakun, Wan, Chengyuan, Peng, Yongzhuo, Huang	No
Visualizing the effects of metformin on tumor growth, vascularity, and metabolism in head and neck cancer	Journal of Oral Pathology and Medicine		2018	Aparajita, Verma, Laurie J., Rich, Vui King, Vincent-Chong, Mukund, Seshadri	No
C3He/FeJ Mice mimic many aspects of gene expression and pathological features of human hepatocellular carcinoma	Molecular Carcinogenesis	http://doi.wiley.com/10.1002/mc.22929	2018	Jessica A, Zavadij, Maryanne C. S., Herzig, Kim, Hildreth, Amir, Forouhani, William, Boswell, Ronald, Walter, Robert, Reddick, Hugh, White, Habil, Zare, Christi A., Walter	No
Size-dependent Tumor Response to Photodynamic Therapy and Irinotecan Monotherapies Revealed by Longitudinal Ultrasound Monitoring in an Orthotopic Pancreatic Cancer Model	Photochemistry and Photobiology		2018	Michael, Pigula, Huang Chiao, Huang, Srivalleesha, Mallidi, Sriram, Anbil, Joyce, Liu, Zhiming, Mai, Tayyaba, Hasan	No
Self-Supplied Tumor Oxygenation through Separated Liposomal Delivery of H₂O₂ and Catalase for Enhanced Radio-Immunotherapy of Cancer	Nano Letters	http://pubs.acs.org/doi/10.1021/acs.nanolett.8b02720	2018	Xuejiao, Song, Jun, Xu, Chao, Liang, Yu, Chao, Qitong, Jin, Chao, Wang, Meilwan, Chen, Zhuang, Liu	No
Combination Therapy with DETA/NO and Clopidogrel Inhibits Metastasis in Murine Mammary Gland Cancer Models via Improved Vasoprotection	Molecular Pharmaceutics	http://www.ncbi.nlm.nih.gov/pubmed/30234992?ohhttp://www.ncbi.nlm.nih.gov/pubmed...	2018	Ksenia, Porsheva, Diana, Papiernik, Mateusz, Puskurki, Marcin, Nowak, Rafal, Matkowski, Marcin, Ekiert, Magdalena, Milczarek, Joanna, Banach, Joanna, Jarosz, Joanna, Wietrzyk	No
Radiation treatment monitoring with DCE-US in CWR22 prostate tumor xenografts	Acta Radiologica	http://journals.sagepub.com/doi/10.1177/0284185118798167	2019	Natalia, Arteaga-Marrero, Jose F, Mainou-Gomez, Cecile, Brekke Rygh, Nataliya, Lutay, Dieter, Roehrich, Rolf K, Reed, Dag R, Olsen	No
Size-dependent Tumor Response to Photodynamic Therapy and Irinotecan Monotherapies Revealed by Longitudinal Ultrasound Monitoring in an Orthotopic Pancreatic Cancer Model	Photochemistry and Photobiology	http://doi.wiley.com/10.1111/php.13016	2018	Michael, Pigula, Huang-Chiao, Huang, Srivalleesha, Mallidi, Sriram, Anbil, Joyce, Liu, Zhiming, Mai, Tayyaba, Hasan	No

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Combined application of Indocyanine green (ICG) and laser lead to targeted tumor cell destruction	Journal of Pediatric Surgery	https://linkinghub.elsevier.com/retrieve/pii/S0022346818305190	2018	Jordan S., Taylor, Jasmine, Zeki, Naohiko, Ikegaki, Liaohai L., Chen, Bill, Chiu	No
Preclinical Efficacy of Ado-trastuzumab Emtansine in the Brain Microenvironment	JNCI: Journal of the National Cancer Institute	https://academic.oup.com/jnci/article-lookup/doi/10.1093/jnci/djv313	2016	Vasileios, Askoxyllakis, Gino B., Ferraro, David P., Kodack, Mark, Badeaux, Ram C., Shankaraiiah, Giorgio, Seano, Jonas, Kloepper, Trupti, Vardam, John D., Martin, Kamila, Naxerova, Divya, Bezawada, Xiaolong, Qi, Martin K., Selig, Elena, Brachtel, Dan G., Duda, Peigen, Huang, Dai, Fukumura, Jeffrey A., Engelman, Rakesh K., Jain	No
Alterations in Sod2-induced oxidative stress affect endocrine cancer progression	The Journal of Clinical Endocrinology & Metabolism	https://academic.oup.com/jcem/advance-article/doi/10.1210/ic.2018-01039/5078437	2018	Amruta, Ashtekar, Danielle, Huk, Alexa, Magner, Krista M D, La Perle, Laura, Boucai, Lawrence S, Kirschner	No
IL-6-mediated cross-talk between human preadipocytes and ductal carcinoma in situ in breast cancer progression	Journal of Experimental & Clinical Cancer Research	https://jeccr.biomedcentral.com/articles/10.1186/s13046-018-0867-3	2018	Hoe Suk, Kim, Minji, Jung, Sul Ki, Choi, Jisu, Woo, Yin Ji, Piao, Eun Hye, Hwang, Hyeilm, Kim, Seung Ja, Kim, Woo Kyung, Moon	No
A catalase-loaded hierarchical zeolite as an implantable nanocapsule for ultrasound-guided oxygen self-sufficient photodynamic therapy against pancreatic cancer	Nanoscale	http://xlink.rsc.org/?DOI=C8NR05548C	2018	Dehong, Hu, Zhuwen, Chen, Zonghai, Sheng, Duyang, Gao, Fei, Yan, Teng, Ma, Hairong, Zheng, Mei, Hong	No
A cerebellar window for intravital imaging of normal and disease states in mice	Nature Protocols	http://www.nature.com/doinfinder/10.1038/nprot.2017.101	2017	Vasileios, Askoxyllakis, Mark, Badeaux, Sylvie, Roberge, Ana, Batista, Ned, Kirkpatrick, Matija, Snuderl, Zohreh, Amoozgar, Giorgio, Seano, Gino B, Ferraro, Sampurna, Chatterjee, Lei, Xu, Dai, Fukumura, Dan G, Duda, Rakesh K, Jain	No
MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma	Journal of Neuro-Oncology	http://link.springer.com/10.1007/s11060-017-2646-y	2018	Wende, Li, Yujiao, Liu, Weining, Yang, Xiaoxing, Han, Sen, Li, Hao, Liu, Leo E., Gerweck, Dai, Fukumura, Jay S., Loeffler, Burton B., Yang, Rakesh K., Jain, Peigen, Huang	No
[ASAP] Gadolinium Metallofullerene-Polyglycol Nanoparticles for Activatable Dual-Modal Imaging-Guided Photothermal Therapy	ACS Applied Materials & Interfaces	http://dx.doi.org/10.1021/acsami.8b09670	2018	Sheng, Wang, Zijian, Zhou, Guocan, Yu, Nan, Lu, Yijing, Liu, Yunlu, Dai, Xiao, Fu, Jing, Wang, Xiaoyuan, Chen	No
Photoacoustic imaging of integrin-overexpressing tumors using a novel ICG-based contrast agent in mice	Photoacoustics	https://doi.org/10.1016/j.pacs.2018.07.007	2018	Martina, Capozza, Francesco, Blasi, Giovanni, Valbusa, Paolo, Oliva, Claudia, Cabella, Federica, Buonsanti, Alessia, Cordaro, Lorena, Pizzuto, Alessandro, Maiocchi, Luisa, Poggi	No
Development and evaluation of a CFACAM6-targeting theranostic nanomedicine for photoacoustic-based diagnosis and chemotherapy of metastatic cancer	Theranostics	http://www.thno.org/v08p4247.htm	2018	Hohyeon, Lee, Yongho, Jang, Suhyun, Park, Hyejin, Jang, Eun-jo, Park, Hyun Jung, Kim, Hyuncheol, Kim	No
Local checkpoint inhibition of CTLA-4 as a monotherapy or in combination with anti-PD1 prevents the growth of murine bladder cancer	European Journal of Immunology		2017	Luuk, van Hoeren, Linda C., Sandin, Igor, Moskalev, Peter, Elmink, Anna, Dimberg, Peter, Black, Thomas H., Titzertman, Sara M., Mangsbo	No
Anti-angiogenic drug scheduling optimisation with application to colorectal cancer	Scientific Reports	http://www.nature.com/articles/s41598-018-29318-5	2018	M., Sturrock, I. S., Miller, G., Kang, N., Hannis Arba'ie, A. C., O'Farrell, A., Barat, G., Marston, P. L., Coletta, A. T., Byrne, J. H., Prehn	No
Natural antibody against neuroblastoma of TH-MYC transgenic mice does not correlate with spontaneous regression	Biochemical and Biophysical Research Communications	https://linkinghub.elsevier.com/retrieve/pii/S0006291X18315936	2018	Naonori, Kawakubo, Yui, Harada, Minoru, Ishii, Ryota, Souza, Yoshiaki, Kinoshita, Tatsuro, Tajiri, Tomoaki, Taguchi, Yoshikazu, Yonemitsu	No
Four-class tumor staging for early diagnosis and monitoring of murine pancreatic cancer using magnetic resonance and ultrasound	Carcinogenesis	https://academic.oup.com/carcin/advance-article/doi/10.1093/carcin/bgy094/50577...	2018	Erica, Dugnani, Valentina, Pasquale, Paolo, Marra, Daniela, Liberati, Tamara, Canu, Laura, Perani, Francesco, De Sanctis, Stefano, Ugel, Francesca, Invernizzi, Antonio, Citro, Massimo, Venturini, Claudio, Dogliani, Antonio, Esposito, Lorenzo, Piemonti	No
Disseminated injection of vincristine-loaded silk gel improves the suppression of neuroblastoma tumor growth	Surgery (United States)	https://doi.org/10.1016/j.surg.2018.06.017	2018	Jasmine, Zeki, Jordan S., Taylor, Burcin, Yavuz, Jeannine, Coburn, Naohiko, Ikegaki, David L., Kaplan, Bill, Chiu	No
Endoglin-targeted contrast-enhanced ultrasound imaging in hepatoblastoma xenografts	Oncology Letters	http://www.spandidos-publications.com/10.3892/ol.2018.9067	2018	Rong, Shan, Bei, Wang, Aiguang, Wang, Zongguo, Sun, Fengyun, Dong, Ju, Liu, Hongjun, Sun	No
Generation of multiparametric MRI maps by using Gd-labeled RBCs reveals phenotypes and stages of murine prostate cancer	Scientific Reports	http://www.nature.com/articles/s41598-018-28926-5	2018	Giuseppe, Ferrauto, Enza, Di Gregorio, Stefania, Lanzardo, Laura, Ciolli, Manuela, Iezzi, Silvio, Aime	No
Up-regulation of FGF15/19 signaling promotes hepatocellular carcinoma in the background of fatty liver	Journal of Experimental & Clinical Cancer Research	https://jeccr.biomedcentral.com/articles/10.1186/s13046-018-0781-8	2018	Guozhen, Cui, Robert C, Martin, Hang, Jin, Xingkai, Liu, Harshul, Pandit, Hengjun, Zhao, Lu, Cai, Ping, Zhang, Wei, Li, Yan, Li	No
In vitro and in vivo evaluation of etoposide - silk wafers for neuroblastoma treatment	Journal of Controlled Release	https://www.sciencedirect.com/science/article/pii/S0168365918303961	2018	Burcin, Yavuz, Jasmine, Zeki, Jeannine M., Coburn, Naohiko, Ikegaki, Daniel, Levitin, David L., Kaplan, Bill, Chiu	No
Targeting the NRG1/HER3 pathway in tumor cells and cancer-associated fibroblasts with an anti-neuregulin 1 antibody inhibits tumor growth in pre-clinical models of pancreatic cancer	Cancer Letters	https://doi.org/10.1016/j.canlet.2018.06.023	2018	Charline, Ogier, Pierre Emmanuel, Colombo, Corinne, Bousquet, Lucile, Canterel-Thouennon, Pierre, Sicard, Veronique, Garambois, Gaëlle, Thomas, Nadège, Gaborit, Marta, Jarlier, Nelly, Pirrot, Martine, Pugnrière, Nadia, Vie, Céline, Gongora, Pierre, Martineau, Bruno, Robert, André, Pélegrin, Thierry, Chardès, Christel, Larboubert	No
Multimodality cellular and molecular imaging of concomitant tumour enhancement in a syngeneic mouse model of breast cancer metastasis	Scientific Reports	http://www.nature.com/articles/s41598-018-27208-4	2018	Katie M, Parkins, Veronica P, Dubois, Amanda M, Hamilton, Ashley V, Makela, John A, Ronald, Paula J, Foster	No
Bio-ink properties and printability for extrusion printing living cells	Biomaterials Science	http://xlink.rsc.org/?DOI=c3bm00012e	2013	Johnson H Y, Chung, Sina, Naficy, Zhilian, Yue, Robert, Kapsa, Anita, Quigley, Simon E, Moulton, Gordon G, Wallace	No
The oncolytic Adenovirus Xvir-N-31 as a novel therapy in muscle-invasive bladder cancer	Human Gene Therapy	http://www.liebertpub.com/doi/10.1089/hum.2018.026	2018	Eva, Lichtenegger, Florestan, Koll, Helena, Haas, Klaus, Mantwill, Klaus-Peter, Janssen, Melanie, Laschinger, Jürgen, Gschwend, Katja, Steiger, Peter, Black, Igor, Moskalev, Roman, Nawroth, Per Sonne, Holm	No
Active curcumin nanoparticles formed from a volatile microemulsion template	Journal of Materials Chemistry B	http://xlink.rsc.org/?DOI=c4tb00267a	2014	K., Margulis, S., Srinivasan, M. J., Ware, H. D., Summers, B., Godin, S., Magdassi	No
Biomimetic O₂-Evolving metal-organic framework nanoplatfor for highly efficient photodynamic therapy against hypoxic tumor	Biomaterials	https://doi.org/10.1016/j.biomaterials.2018.06.007	2018	Shutao, Gao, Pengli, Zheng, Zhenhua, Li, Xiaochen, Feng, Weixiao, Yan, Shizhu, Chen, Weisheng, Guo, Dandan, Liu, Xinjian, Yang, Shuxiang, Wang, Xing-jie, Liang, Jinchao, Zhang	No
Deletion of Rap1b, but not Rap1a or Epa1, reduces PKA-mediated thyroid cancer	Thyroid	http://www.liebertpub.com/doi/10.1089/thy.2017.0528	2018	Danielle, Huk, Amruta, Ashtekar, Alexa, Magner, Krista, La Perle, Lawrence S, Kirschner	No
Growth and in vivo stresses traced through tumor mechanics enriched with predator-prey cells dynamics	Journal of the Mechanical Behavior of Biomedical Materials	https://linkinghub.elsevier.com/retrieve/pii/S1751616118303291	2018	A.R., Carotenuto, A., Cutolo, A., Petrillo, R., Fusco, C., Arra, M., Sansone, D., Larobina, L., Cardoso, M., Fraldi	No
A Tumor Vascular-Targeted Interlocking Trimodal Nanosystem That Induces and Exploits Hypoxia	Advanced Science	http://doi.wiley.com/10.1002/adv.201800034	2018	Xin, Luan, Ying-yun, Guan, Hai-jun, Liu, Qin, Lu, Mei, Zhao, Duxin, Sun, Jonathan F, Lovell, Peng, Sun, Hong-zhuan, Chen, Chao, Fang	No
Treatment of SEC26 over-expressing tumors by Thapsigargin and Trifluoperazine	Biomolecular Concepts	http://www.degruyter.com/view/j/bmc.2018.9.issue-1/bmc-2018-0006/bmc-2018-0006...	2018	Christina, Körbel, Maximilian, Linxweiler, Florian, Bochen, Silke, Wemmert, Bernhard, Schick, Markus, Meyer, Hans, Maurer, Michael D, Menger, Richard, Zimmermann, Markus, Greiner	No
Superspecific Drug Delivery Using Doxorubicin-Encapsulated Liposomes and Ultrasound in a Mouse Model of Lung Metastasis Activation	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2018.04.003	2018	Tomoki, Ouchi, Arinbuan, Sukhbaatar, Sachiko, Horie, Maya, Sakamoto, Kiyoto, Shiga, Shiro, Mori, Tetsuya, Kodama	No
An Easy-to-Fabricate Clearable CuS Superstructure-Based Multifunctional Theranostic Platform for Efficient Imaging Guided Chemo-Photothermal Therapy	Nanoscale	http://pubs.rsc.org/en/Content/Articlelanding/2018/NR/C8NR03271H	2018	Wenlong, Zhang, Jingbo, Xiao, Qing, Cao, Weiheng, Wang, Xuan, Peng, Guoqiang, Guan, Zhe, Cui, Yongfang, Zhang, Shige, Wang, Ruija, Zou, Xinjian, Wan, Huijing, Qiu, Junqing, Hu	No
Perfusion Computer Tomography Assessment of the Effect of Angiotensin II On Blood Flow Distribution in Rabbits with Intrarenal VX2 Tumors	Cellular Physiology and Biochemistry	https://www.karger.com/Article/FullText/489752	2018	Ying-Jin, Xu, Song-Hong, Wu, Huai-Jun, Liu, Pei, Niu, Wen-Zheng, Shen, Ying-Jie, Xu, Xiao-Ping, Yin, Tian-Le, Zhang, Xue-Zhao, Li, Fei, Guo, Xiao-Long, Niu, Jin-Song, Zhu	No

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Tumor inhibitory effects of intravesical Ganoderma lucidum instillation in the syngeneic orthotopic M49/C57 bladder cancer mice model	Journal of Ethnopharmacology	http://linkinghub.elsevier.com/retrieve/pii/S0378874118311991	2018	J.W.M., Yuen, D.S.Y., Mak, E.S., Chan, M.D.I., Gohel, C.F., Ng	No
MIR-301a-3p Suppresses Estrogen Signaling by Directly Inhibiting ESR1 in ERα Positive Breast Cancer.	Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology	https://www.karger.com/Article/FullText/489687%0Ahttp://www.ncbi.nlm.nih.gov/pub...	2018	Sandra, Lettlova, Veronika, Brynychova, Jan, Blecha, David, Vrana, Magdalena, Vondrusova, Pavel, Soucek, Jaroslav, Truksa	No
Semi-Automated Segmentation of the Tumor Vasculature in Contrast-Enhanced Ultrasound Data	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2018.03.015	2018	Benjamin, Theek, Tatjana, Opacic, Twan, Lammers, Fabian, Kiessling	No
Impact of Age on Disease Progression and Microenvironment in Oral Cancer	Journal of Dental Research	http://journals.sagepub.com/doi/10.1177/0022034518775736	2018	V.K., Vincent-Chong, H., DeJong, L.J., Rich, A., Patti, M., Merzianu, P.A., Hershberger, M., Seshadri	No
Ultrasound Doppler as an Imaging Modality for Selection of Murine 4T1 Breast Tumors for Combination Radiofrequency Hyperthermia and Chemotherapy	Translational Oncology	https://doi.org/10.1016/j.tranon.2018.04.010	2018	Martyna, Krzykawska-Serda, Jason Chak Shing, Ho, Matthew J., Ware, Justin J., Law, Jared M., Newton, Lam, Nguyen, Mahdi, Agha, Steven A., Curley, Stuart J., Corr	No
Histidine-rich glycoprotein-induced vascular normalization improves EPR-mediated drug targeting to and into tumors	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2018.05.002	2018	Benjamin, Theek, Maik, Baues, Felix, Gremse, Robert, Pola, Michal, Pechar, Inka, Negwer, Kalolian, Koynov, Benjamin, Weber, Matthias, Barz, Willi, Jahnke-Dechent, Gert, Storm, Fabian, Kiessling, Twan, Lammers	No
Monitoring circulating prostate cancer cells by in vivo flow cytometry assesses androgen deprivation therapy on metastasis	Cytometry Part A	http://doi.wiley.com/10.1002/cyto.a.23369	2018	Kai, Pang, Chengying, Xie, Zhangru, Yang, Yuanzhen, Suo, Xi, Zhu, Dan, Wei, Xiaofu, Weng, Xunbin, Wei, Zhengqin, Gu	No
Multi-modal characterization of vasculature and nanoparticle accumulation in five tumor xenograft models	Journal of Controlled Release	http://linkinghub.elsevier.com/retrieve/pii/S0168365918302104	2018	Einar, Sulheim, Jana, Kim, Annemieke, van Wamel, Eugene, Kim, Sofie, Snipstad, Igor, Vidic, Ingeborg Hovde, Grimstad, Marius, Widerøe, Sverre H., Torp, Steinar, Lundgren, David J., Waxman, Catharina, de Lange Davies	No
Quantifying solid stress and elastic energy from excised or in situ tumors	Nature Protocols	http://www.nature.com/doi/funder/10.1038/nprot.2018.020	2018	Hadi T, Nia, Meenal, Datta, Giorgio, Seano, Peigen, Huang, Lance L, Munn, Rakesh K, Jain	No
Motion model ultrasound localization microscopy for preclinical and clinical multiparametric tumor characterization	Nature Communications	http://www.nature.com/articles/s41467-018-03973-8	2018	Tatjana, Opacic, Stefanie, Dencks, Benjamin, Theek, Marion, Piepenbrock, Dimitri, Ackermann, Anne, Rix, Twan, Lammers, Elmar, Stöckler, Stefan, Delorme, Georg, Schmitz, Fabian, Kiessling	No
Generation and testing of clinical-grade exosomes for pancreatic cancer	JCI Insight	http://www.ncbi.nlm.nih.gov/pubmed/29669940%0Ahttp://www.ncbi.nlm.nih.gov/pubme...	2018	Mayela, Mendt, Sushrut, Kamerkar, Hikaru, Sugimoto, Kathleen M., McAndrews, Chia-Chin, Wu, Mihai, Gagea, Sujuan, Yang, Elena V. Rodrigues, Blanco, Qian, Peng, Xiaoyan, Ma, Joseph R., Marszalek, Anirban, Maitra, Cassian, Yee, Katayoun, Rezvani, Elizabeth, Shpall, Valerie S., LeBlau, Raghu, Kalluri	No
The novel TRAIL-receptor agonist APG350 exerts superior therapeutic activity in pancreatic cancer cells	Cell Death & Disease	http://dx.doi.org/10.1038/s41419-018-0478-0	2018	Karen, Legler, Charlotte, Hauser, Jan-hendrik, Egberts, Anna, Wilms, Carolä, Heneweuer, Susann, Boretius, Christoph, Röcken, Claus-christian, Glüer, Thomas, Becker, Michael, Kluge, Oliver, Hill, Christian, Gieffers, Harald, Fricke, Holger, Kalthoff, Johannes, Lemke, Anna, Trauzold	No
The combined therapeutic effects of iodine 131-labeled multifunctional copper sulfide-loaded microspheres in treating breast cancer	Acta Pharmaceutica Sinica B	http://linkinghub.elsevier.com/retrieve/pii/S2211383517305889	2018	Qiufang, Liu, Yuyi, Qian, Panli, Li, Sihang, Zhang, Zerong, Wang, Jianjun, Liu, Xiaoguang, Sun, Michael, Fulham, Dagan, Feng, Shaoli, Song, Wei, Lu, Gang, Huang	No
Tumor Evolution and Drug Response in Patient-Derived Organoid Models of Bladder Cancer	Cell	https://doi.org/10.1016/j.cell.2018.03.017	2018	Suk Hyung, Lee, Wenhua, Hu, Justin T., Matulay, Mark V., Silva, Tomas B., Owczarek, Kwanghee, Kim, Chee Wai, Chua, La Mont J., Barlow, Cyriac, Kandath, Aisana B., Williams, Sarah K., Bergren, Eugene J., Pietzak, Christopher B., Anderson, Mitchell C., Benson, Jonathan A., Coleman, Barry S., Taylor, Cory, Abate-Shen, James M., McKiernan, Hikmat, Al-Ahmadie, David B., Solit, Michael M., Shen	No
Chemotherapy and Radiofrequency-Induced Mild Hyperthermia Combined Treatment of Orthotopic Pancreatic Ductal Adenocarcinoma Xenografts	Translational Oncology	https://doi.org/10.1016/j.tranon.2018.02.023	2018	Martyna, Krzykawska-Serda, Mahdi S., Agha, Jason Chak Shing, Ho, Matthew J., Ware, Justin J., Law, Jared M., Newton, Lam, Nguyen, Steven A., Curley, Stuart J., Corr	No
Radiotherapy-Sensitized Tumor Photothermal Ablation Using γ-Polyglutamic Acid Nanogels Loaded with Polypyrrole	Biomacromolecules	http://pubs.acs.org/doi/10.1021/acs.biomac.8b00184	2018	Yiwei, Zhou, Yong, Hu, Wenjie, Sun, Shiyi, Lu, Chao, Cai, Chen, Peng, Jing, Yu, Racheia, Popovtzer, Mingwu, Shen, Xiangyang, Shi	No
Cranial irradiation increases tumor growth in experimental breast cancer brain metastasis	NMR in Biomedicine		2018	A.M., Hamilton, S.M., Wong, E., Wong, P.J., Foster	No
Photoacoustic imaging of tumour vascular permeability with indocyanine green in a mouse model	European Radiology Experimental	https://euradiolexp.springeropen.com/articles/10.1186/s41747-018-0036-7	2018	Kenichiro, Okumura, Kotaro, Yoshida, Kazuaki, Yoshioka, Sho, Aki, Norihide, Yoneda, Dai, Inoue, Azusa, Kitao, Takahiro, Ogi, Kazuto, Kozaka, Tetsuya, Minami, Wataru, Koda, Satoshi, Kobayashi, Yoh, Takuwa, Toshifumi, Gabata	No
Complement 5a stimulates macrophage polarization and contributes to tumor metastases of colon cancer	Experimental Cell Research	http://linkinghub.elsevier.com/retrieve/pii/S0014482718301290	2018	Chunmei, Piao, Wen-Mei, Zhang, Tao-Tao, Li, Cong-cong, Zhang, Shulan, Qiu, Yan, Liu, Sa, Liu, Ming, Jin, Li-Xin, Jia, Wen-Chao, Song, Jie, Du	No
Preparation and Imaging Investigation of Dual-targeted C3F8-filled PLGA Nanobubbles as a Novel Ultrasound Contrast Agent for Breast Cancer	Scientific Reports		2018	Jing, Du, Xiao Yu, Li, He, Hu, Li, Xu, Shi Ping, Yang, Feng Hua, Li	No
Role of Acid Sphingomyelinase and Ceramide in Mechano-Acoustic Enhancement of Tumor Radiation Responses	Journal of the National Cancer Institute		2018	A El, Kaffas, A, Al-Mahrouki, A, Hashim, N, Law, A, Giles, G, Czarnota	No
Biomimetic nanoparticles delivered hedgehog pathway inhibitor to modify tumour microenvironment and improved chemotherapy for pancreatic carcinoma	Artificial Cells, Nanomedicine and Biotechnology		2018	Ting, Jiang, Bo, Zhang, Long, Zhang, Xuemei, Wu, Haichun, Li, Shun, Shen, Zimiao, Luo, Xianping, Liu, Yu, Hu, Zhiqing, Pang, Xinguo, Jiang	No
Photoacoustic Imaging as an Early Biomarker of Radio Therapeutic Efficacy in Head and Neck Cancer	Theranostics	http://www.thno.org/v08p2064.htm	2018	Laurie, J., Rich, Austin, Miller, Anurag K., Singh, Mukund, Seshadri	No
A novel mouse model of human prostate cancer to study intraprostatic tumor growth and the development of lymph node metastases	The Prostate	http://doi.wiley.com/10.1002/pros.23508	2018	Johannes, Linxwiler, Christina, Körbel, Andreas, Müller, Markus, Hammer, Christian, Veith, Rainer M., Bohle, Michael, Stöckle, Kerstin, Junker, Michael D., Menger, Matthias, Saar	No
Hypoxia-specific therapeutic agents delivery nanotheranostics: A sequential strategy for ultrasound mediated on-demand tritherapies and imaging of cancer	Journal of Controlled Release	https://doi.org/10.1016/j.jconrel.2018.02.011	2018	Qianhua, Feng, Yuzhen, Li, Xuemei, Yang, Wanxia, Zhang, Yongwei, Hao, Hongling, Zhang, Lin, Hou, Zhenzhong, Zhang	No
MYC-family protein overexpression and prominent nucleolar formation represent prognostic indicators and potential therapeutic targets for aggressive high-MKI neuroblastomas: A report from the children's oncology group	Oncotarget		2018	R., Niemas-Teshiba, R., Matsuno, L.L., Wang, X.X., Tang, B., Chiu, J., Zeki, J., Coburn, K., Ornell, A., Narajón, C.V., Ryn, W.B., London, M.D., Hogarty, J.M., Gastier-Foster, A.T., Look, J.R., Park, J.M., Maris, S.L., Cohn, R.C., Seeger, S., Asgharzadeh, N., Ikegaki, H., Shimada	No
Perfluorooctyl bromide & indocyanine green co-loaded nanoliposomes for enhanced multimodal imaging-guided phototherapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2018.02.041	2018	Danli, Sheng, Tianzhi, Liu, Liming, Deng, Liang, Zhang, Xuelin, Li, Jie, Xu, Lan, Hao, Pan, Li, Haitao, Ran, Hangrong, Chen, Zhiqiang, Wang	No
Bacteria-like mesoporous silica-coated gold nanorods for positron emission tomography and photoacoustic imaging-guided chemo-photothermal combined therapy	Biomaterials		2018	Cheng, Xu, Feng, Chen, Hector F., Valdovinos, Dawei, Jiang, Shreya, Goel, Bo, Yu, Haiyan, Sun, Todd E., Barnhart, James J., Moon, Weibo, Cai	No
Sensitization of Hypoxic Tumors to Radiation Therapy Using Ultrasound-Sensitive Oxygen Microbubbles	International Journal of Radiation Oncology Biology Physics	https://doi.org/10.1016/j.ijrobp.2018.01.042	2018	John R., Eisenbrey, Rawan, Shraim, Ji Bin, Liu, Jingzhi, Li, Maria, Stanczak, Brian, Oeffinger, Dennis B., Leeper, Scott W., Keith, Lauren J., Jablonowski, Flemming, Forsberg, Patrick, O'Kane, Margaret A., Wheatley	No
Thyroid-Specific PPARγ Deletion Is Benign in the Mouse	Endocrinology	https://academic.oup.com/endo/article/159/3/1463/4838906	2018	Jingcheng, Yu, Ronald J, Koenig	No

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2D Ultrathin MXene-Based Drug-Delivery Nanopatform for Synergistic Photothermal Ablation and Chemotherapy of Cancer	Advanced Healthcare Materials		2018	Xiaoxia, Han, Ju, Huang, Han, Lin, Zhigang, Wang, Pan, Li, Yu, Chen	No
Multi-modality photoacoustic tomography, ultrasound, and light sheet microscopy for volumetric tumor margin detection	Multimodal Biomedical Imaging XIII	https://www.spiedigitallibrary.org/conference-proceedings-of-spie/10487/2289047...	2018	Gurneet, Sangha, Bihe, Hu, Daniel, Bolus, Mei, Wang, Shelby J., Skidmore, Jonathan Q., Brown, Craig J., Goergen, Andrew B., Sholl	No
A TRAMP-derived orthotopic prostate syngeneic (TOPS) cancer model for investigating anti-tumor treatments	The Prostate	http://doi.wiley.com/10.1002/pros.23490	2018	Justin, Lardizabal, Jun, Ding, Zahid, Delwar, Paul S, Rennie, William, Jia	No
A laser-activated multifunctional targeted nanoagent for imaging and gene therapy in a mouse xenograft model with retinoblastoma Y79 cells	Acta Biomaterialia	https://doi.org/10.1016/j.actbio.2018.02.006	2018	Mingxing, Wu, Haibo, Xiong, Hongmi, Zou, Meng, Li, Pan, Li, Yu, Zhou, Yan, Xu, Jia, Jian, Fengqiu, Liu, Hongyun, Zhao, Zhigang, Wang, Xiyuan, Zhou	No
Ultrasound beam steering of oxygen nanobubbles for enhanced bladder cancer therapy	Scientific Reports	http://dx.doi.org/10.1038/s41598-018-20363-8	2018	Pushpak, Bhandari, Gloria, Novikova, Craig J., Goergen, Joseph, Irudayaraj	No
Breast cancer cell-derived exosomes and macrophage polarization are associated with lymph node metastasis			2018	Yin Ji, Piao, Hoe Suk, Kim, Eun Hye, Hwang, Jisu, Woo, Meihua, Zhang	No
Nuclear factor 90 promotes angiogenesis by regulating HIF-1α/VEGF-A expression through the PI3K/Akt signaling pathway in human cervical cancer article	Cell Death and Disease	http://dx.doi.org/10.1038/s41419-018-0334-2	2018	Wenqian, Zhang, Zhengai, Xiong, Tianqin, Wei, Qiumeng, Li, Ying, Tan, Li, Ling, Xiushan, Feng	No
Preoperative measurement of cutaneous melanoma and nevi thickness with photoacoustic imaging	Journal of Medical Imaging	https://www.spiedigitallibrary.org/journals/Journal-of-Medical-Imaging/volume-5...	2018	Aedán, Breathnach, Elizabeth, Concannon, Jimima J, Dorairaj, Shazrinizam, Shaharan, James, McGrath, Jithin, Jose, Jack L, Kelly, Martin J, Leahy	No
Au-PLGA Hybrid Nanoparticles with Catalase-Mimicking and near-Infrared Photothermal Activities for Photoacoustic Imaging-Guided Cancer Therapy	ACS Biomaterials Science and Engineering		2018	Juqun, Xi, Wenjuan, Wang, Langye, Da, Jingjing, Zhang, Lei, Fan, Lizeng, Gao	No
Thyroid Cancer Detection by Ultrasound Molecular Imaging with SHP2-Targeted Perfluorocarbon Nanoparticles	Contrast Media & Molecular Imaging	https://www.hindawi.com/journals/cmmi/2018/8710862/	2018	Zhongqian, Hu, Bin, Yang, Tiankuan, Li, Jia, Li	No
Biodegradable Hollow Mesoporous Organosilica Nanotherapeutics for Mild Hyperthermia-Induced Bubble-Enhanced Oxygen-Sensitized Radiotherapy	ACS Nano		2018	Nan, Lu, Wenpei, Fan, Xuan, Yi, Sheng, Wang, Zhantong, Wang, Rui, Tian, Drik, Jacobson, Yijing, Liu, Bryant C., Yung, Guofeng, Zhang, Zhaoqiang, Teng, Kai, Yang, Minming, Zhang, Gang, Niu, Guangming, Lu, Xiaoyuan, Chen	No
A Yolk-Shell Nanopatform for Gene-Silencing-Enhanced Photolytic Ablation of Cancer	Advanced Functional Materials	http://doi.wiley.com/10.1002/adfm.201706398	2018	Ranran, Guo, Ye, Tian, Yueqi, Yang, Qin, Jiang, Yajun, Wang, Wuli, Yang	No
Synthesis of Hollow Biomimetic CaCO₃-Polydopamine Nanoparticles for Multimodal Imaging-Guided Cancer Photodynamic Therapy with Reduced Skin Photosensitivity	Journal of the American Chemical Society		2018	Ziliang, Dong, Liangzhu, Feng, Yu, Hao, Muchao, Chen, Min, Gao, Yu, Chao, He, Zhao, Wenwen, Zhu, Jingjing, Liu, Chao, Liang, Qiao, Zhang, Zhuang, Liu	No
Deep Tumor Penetrating Bioparticulates Inspired Burst Intracellular Drug Release for Precision Chemo-Phototherapy	Small	http://doi.wiley.com/10.1002/smll.201703110	2018	Ruoning, Wang, Yue, Han, Bo, Sun, Ziqiang, Zhao, Yaw, Opoku-Damoah, Hao, Cheng, Huosheng, Zhang, Jianping, Zhou, Yang, Ding	No
Magnetic resonance and photoacoustic imaging of brain tumor mediated by mesenchymal stem cell labeled with multifunctional nanoparticle introduced via carotid artery injection	Nanotechnology	http://stacks.iop.org/0957-4484/29/i=16/a=165101?key=crossref.f2a10bd65d76d36a1...	2018	Yang, Qiao, Joy, Gumin, Christopher J, MacLellan, Feng, Gao, Richard, Bourchet, Frederick F, Lang, R Jason, Stafford, Marites P, Melancon	No
Abstract 3109: Ultrasound-mediated delivery and distribution of polymeric nanoparticles in the normal brain parenchyma and melanoma metastases	Cancer Chemistry	http://cancerres.aacrjournals.org/content/77/13_Supplement/3109%0Ahttp://ovidsp...	2017	Habib, Baghiro, Sofie, Snipstad, Einar, Sulheim, Sigrid, Berg, Rune, Hansen, Frits, Thorsen, Yrr, Merch, Catharina de Lange, Davies, Andreas, Aslund	No
Utilizing High Resolution Ultrasound to Monitor Tumor Onset and Growth in Genetically Engineered Pancreatic Cancer Models	Journal of Visualized Experiments	https://www.jove.com/video/56979/utilizing-high-resolution-ultrasound-to-monito...	2018	Robert-guenter, Goetz, Soeren M, Buchholz, Shilpa, Patil, Golo, Petzold, Volker, Ellenrieder, Elisabeth, Hessemann, Albrecht, Neesse	No
Design of Phase-Changeable and Injectable Alginate Hydrogel for Imaging-Guided Tumor Hyperthermia and Chemotherapy	ACS Applied Materials & Interfaces	http://pubs.acs.org/doi/10.1021/acsami.7b17608	2018	Jiulong, Zhao, Jialing, Li, Chunping, Zhu, Fei, Hu, Hongyu, Wu, Xiaohua, Man, Zhaoshen, Li, Changqing, Ye, Duowu, Zou, Shige, Wang	No
Therapy-educated mesenchymal stem cells enrich for tumor initiating cells	Cancer Research	http://cancerres.aacrjournals.org/lookup/doi/10.1158/0008-5472.CAN-17-1547	2018	Michael, Timaner, Nitzan, Letko-Khait, Ruslana, Kotsifruk, Madeleine, Benguigui, Ofrat, Beyar-Katz, Chen, Rachman-Tzemach, Ziv, Raviv, Tomer, Bronshtein, Marcelle, Machluf, Yuval, Shaked	No
Selective cancer treatment via photodynamic sensitization of hypoxia-responsive drug delivery	Nanoscale	http://xlink.rsc.org/DOI=C7NR07677K	2018	Hua, He, Rongying, Zhu, Wei, Sun, Kaimin, Cai, Yongbing, Chen, Lichen, Yin	No
Degradable rhenium trioxide nanocubes with high localized surface plasmon resonance absorbance like gold for photothermal therapeutics	Biomaterials		2018	Wenlong, Zhang, Guoying, Deng, Bo, Li, Xinxin, Zhao, Tao, Ji, Guosheng, Song, Zhiyin, Xiao, Qing, Cao, Jingbo, Xiao, Xiaojuan, Huang, Guoqiang, Guan, Rujia, Zou, Xinwu, Lu, Junqing, Hu	No
Thy1-Targeted Microbubbles for Ultrasound Molecular Imaging of Pancreatic Ductal Adenocarcinoma	Clinical Cancer Research	http://clincancerres.aacrjournals.org/lookup/doi/10.1158/1078-0432.CCR-17-2057	2018	Lotfi, Abou-Elkacem, Huajun, Wang, Sayan M, Chowdhury, Richard H., Kimura, Sunitha V, Bachawal, Sanjiv S, Gambhir, Lu, Tian, Juergen K., Willmann	No
Biomimetic Copper Sulfide for Chemo-Radiotherapy: Enhanced Uptake and Reduced Efflux of Nanoparticles for Tumor Cells under Ionizing Radiation	Advanced Functional Materials	http://doi.wiley.com/10.1002/adfm.201705161	2018	Xuan, Yi, Lei, Chen, Jie, Chen, Debabrata, Maiti, Zhifang, Chai, Zhuang, Liu, Kai, Yang	No
Molecular imaging of tumor photoimmunotherapy: Evidence of photosensitized tumor necrosis and hemodynamic changes	Free Radical Biology and Medicine	https://doi.org/10.1016/j.freeradbiomed.2017.12.034	2018	Shun, Kishimoto, Nobu, Oshima, Kazutoshi, Yamamoto, Jeewa, Munasinghe, Jan Henrik, Ardenkjaer-Larsen, James B, Mitchell, Peter L., Choyle, Murali C., Krishna	No
Rational Design of Tumor Microenvironment-Activated Micelles for Programmed Targeting of Breast Cancer Metastasis	Advanced Functional Materials		2017	Bin, He, Tao, Tan, Hong, Wang, Haiyan, Hu, Zhiwan, Wang, Jing, Wang, Jie, Li, Kaoliang, Sun, Zhiwen, Zhang, Yaping, Li	No
Iodinated Echogenic Glycol Chitosan Nanoparticles for X-ray CT/US Dual Imaging of Tumor	Nanotheranostics	http://www.ntno.org/v02p0117.htm	2018	Daeil, Choi, Sangmin, Jeon, Dong Gil, You, Wooram, Um, Jeong-Yeon, Kim, Hong Yeol, Yoon, Hye-young, Chang, Dong-Eog, Kim, Jae Hyung, Park, Hyuncheol, Kim, Kwangmeyung, Kim	No
Exosome as a Vehicle for Delivery of Membrane Protein Therapeutics, PH20, for Enhanced Tumor Penetration and Antitumor Efficacy	Advanced Functional Materials	http://doi.wiley.com/10.1002/adfm.201703074	2017	Yeonsun, Hong, Gi-Hoon, Nam, Eunee, Koh, Sangmin, Jeon, Gi Beom, Kim, Cheryun, Jeong, Dong-Hwee, Kim, Yoosoo, Yang, In-San, Kim	No
Tumour vascular shutdown and cell death following ultrasound-microbubble enhanced radiation therapy	Theranostics		2018	Ahmed, El Kaffas, Mehrdad J., Gangeh, Golnaz, Farhat, William Tyler, Tran, Amr, Hashim, Ajoja, Giles, Gregory J., Czarnota	No
Nanoscale covalent organic polymers as a biodegradable nanomedicine for chemotherapy-enhanced photodynamic therapy of cancer	Nano Research		2017	Hairong, Wang, Wenwen, Dong, Liangzhu, Feng, Qian, Chen, Yu, Chao, Ziliang, Dong, Zhuang, Liu	No
A Theranostic Nanopatform: Triple-Modal Imaging Guided Synergistic Cancer Therapy Based on Liposomes Conjugated Mesoporous Silica Nanoparticles	ACS Applied Materials & Interfaces	http://pubs.acs.org/doi/10.1021/acsami.7b13651	2017	Qi, Sun, Qing, You, Jinping, Wang, Li, Liu, Yidan, Wang, Yilin, Song, Yu, Cheng, Siyu, Wang, Fengping, Tan, Nan, Li	No
Tumor vasculature normalization by orally fed erlotinib to modulate the tumor microenvironment for enhanced cancer nanomedicine and immunotherapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2017.09.021	2017	Qian, Chen, Ligeng, Xu, Jiawen, Chen, Zhijuan, Yang, Chao, Liang, Yu, Yang, Zhuang, Liu	No
Engineered Zn(II)-dipicolylamine-gold nanoprod provides effective prostate cancer treatment by combining siRNA delivery and photothermal therapy	Theranostics		2017	Kyung Hyun, Min, Young Hwa, Kim, Zhantong, Wang, Jihoon, Kim, Jee Seon, Kim, Sun Hwa, Kim, Kwangmeyung, Kim, Ick Chan, Kwon, Dale O, Kiesewetter, Xiaoyuan, Chen	No
Reactive Oxygen Species (ROS)-Responsive Nanomedicine for RNAi Cancer Therapy	Nanoscale	http://pubs.rsc.org/en/Content/ArticleLanding/2017/NR/C7NR06689A	2017	Yang, Li, Hongzhen, Bai, Hebin, Wang, Youqing, Shen, Guping, Tang, Yuan, Ping	No
Intrathymic injection of hematopoietic progenitor cells establishes functional T cell development in a mouse model of severe combined immunodeficiency	Journal of Hematology & Oncology	http://jhoonline.biomedcentral.com/articles/10.1186/s13045-017-0478-z	2017	Andrea Z, Tuckett, Raymond H, Thornton, Richard J., O'Reilly, Marcel R. M., van den Brink, Johannes L, Zakrzewski	No
8-enelement regulates endoplasmic reticulum stress to induce the apoptosis of NSCLC cells through PERK/IRE1α/ATF6 pathway	Biomedicine and Pharmacotherapy	http://dx.doi.org/10.1016/j.biopha.2017.06.073	2017	Ying, Liu, Zi, Yu, Jiang, Yuan, Li, Zhou, Hui, Hui, Qiu, Gang, Wang, Yi, Luo, Jing, Bing, Liu, Xiong, Wei, Liu, Wei, Quan, Bu, Jie, Song, Li, Cui, Xiao, Bin, Jia, Liang, Feng	No

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Black hollow silicon oxide nanoparticles as highly efficient photothermal agents in the second near-infrared window for in vivo cancer therapy	Biomaterials	http://dx.doi.org/10.1016/j.biomaterials.2017.07.037	2017	Xujiang, Yu, Kai, Yang, Xiaoyuan, Chen, Wanwan, Li	No
Transposon mutagenesis identifies chromatin modifiers cooperating with Ras in thyroid tumorigenesis and detects ATXN7 as a cancer gene	Proceedings of the National Academy of Sciences	http://www.pnas.org/lookup/doi/10.1073/pnas.1702723114	2017	Cristina, Montero-Conde, Luis J., Leandro-Garcia, Xu, Chen, Gisele, Oler, Sergio, Ruiz-Llorente, Mabel, Ryder, Iñigo, Landa, Francisco, Sanchez-Vega, Konnor, La, Ronald A., Ghossein, Dean F., Bajorin, Jeffrey A., Knauf, Jesse D., Riordan, Adam J., Dupuy, James A., Fagin	No
Bottom-up synthesis of WS₂ nanosheets with synchronous surface modification for imaging guided tumor regression	Acta Biomaterialia	http://dx.doi.org/10.1016/j.actbio.2017.06.014	2017	Shige, Wang, Jiulong, Zhao, Hailun, Yang, Chenyao, Wu, Fei, Hu, Haizhou, Chang, Guixiang, Li, Dan, Ma, Duowu, Zou, Mingxian, Huang	No
Magnetically-actuated drug delivery device (MADD) for minimally invasive treatment of prostate cancer: An in vivo animal pilot study	The Prostate	http://doi.wiley.com/10.1002/pros.23395	2017	Werner J, Struss, Zheng, Tan, Payam, Zachkani, Igor, Moskalev, John K, Jackson, Ali, Shademi, Ninadh M., D'Costa, Peter A, Raven, Sebastian, Frees, Claudia, Chavez-Munoz, Mu, Chiao, Alan I., So	No
The chemokine scavenging receptor D6 / ACKR2 is a target of miR-146a in thyroid cancer	Genes & Cancer		2017	Francesco, Pacifico, Alessio, Lepore, Stefano, Mellone, Luca, Sanguigno, Adelaide, Greco, Arturo, Brunetti, Antonio, Leonardi	No
Ultra-small Iron-Gallic Acid Coordination Polymer Nanoparticles for Chelator-free Labeling of 64Cu and Multimodal Imaging-guided Photothermal Therapy	Nanoscale	http://pubs.rsc.org/en/Content/ArticleLandings/2017/NR/C7NR03086j	2017	Qitong, Jin, Wenjun, Zhu, Dawei, Jiang, Rui, Zhang, Christopher J, Kuttyref, Jonathan W, Engle, Peng, Huang, Weibo, Cai, Zhuang, Liu, Liang, Cheng	No
Self-assembly of semiconducting plasmonic gold nanoparticles with enhanced optical property for photoacoustic imaging and photothermal therapy	Theranostics		2017	Zhen, Yang, Jibin, Song, Yunlu, Dai, Jingyi, Chen, Feng, Wang, Lisen, Lin, Yijing, Liu, Fuwu, Zhang, Guocan, Yu, Zijian, Zhou, Wenpei, Fan, Wei, Huang, Quli, Fan, Xiaoyuan, Chen	No
Rational Design of Branched Nanoporous Gold Nanoshells with Enhanced Physico-Optical Properties for Optical Imaging and Cancer Therapy	ACS Nano		2017	Jibin, Song, Xiangyu, Yang, Zhen, Yang, Lisen, Lin, Yijing, Liu, Zijian, Zhou, Zheyu, Shen, Guocan, Yu, Yunlu, Dai, Orit, Jacobson, Jeeva, Munasinghe, Bryant, Yung, Gao Jun, Teng, Xiaoyuan, Chen	No
Apple polyphenol decelerates bladder cancer growth involving apoptosis and cell cycle arrest in N-butyl-N-(4-hydroxybutyl) nitrosamine-induced experimental animal model	Journal of Functional Foods	http://dx.doi.org/10.1016/j.jff.2017.06.019	2017	Yu Lin, Kao, Yi Ming, Kuo, Yi Ru, Lee, Wen Jung, Chen, Yung Shu, Lee, Huei Jane, Lee	No
Albumin-Templated Manganese Dioxide Nanoparticles for Enhanced Radioisotope Therapy	Small		2017	Longlong, Tian, Qian, Chen, Xuan, Yi, Jiawen, Chen, Chao, Liang, Yu, Chao, Kai, Yang, Zhuang, Liu	No
Two-Dimensional Tantalum Carbide (MXenes) Composite Nanosheets for Multiple Imaging-Guided Photothermal Tumor Ablation	ACS Nano		2017	Chen, Dai, Yu, Chen, Xiangxiang, Jing, Lihua, Xiang, Dayang, Yang, Han, Lin, Zhuang, Liu, Xiaoxia, Han, Rong, Wu	No
Enhanced photothermal therapy of biomimetic polypyrrole nanoparticles through improving blood flow perfusion	Biomaterials	http://dx.doi.org/10.1016/j.biomaterials.2017.08.004	2017	Xuejun, Wang, Haichun, Li, Xianping, Liu, Ye, Tian, Huihu, Guo, Ting, Jiang, Zhaohu, Luo, Kan, Xiping, Kuai, Yao, Liu, Zhiqing, Pang, Wuli, Yang, Shun, Shen	No
Protein disulfide isomerase a4 acts as a novel regulator of cancer growth through the procaspase pathway	Oncogene	http://dx.doi.org/10.1038/onc.2017.156	2017	T. F., Kuo, T. Y., Chen, S. T., Jiang, K. W., Chen, Y. M., Chiang, Y. J., Hsu, Y. J., Liu, H. M., Chen, K. K., Yokoyama, K. C., Tsai, H. H., Yeh, Y. R., Chen, M. T., Yang, C. Y., Yang, W. C., Yang	No
Manipulation of variables in local controlled release vincristine treatment in neuroblastoma	Journal of Pediatric Surgery	https://doi.org/10.1016/j.jpedsurg.2017.08.028	2017	Jeannine M, Coburn, Jamie, Harris, Rachel, Cunningham, Jasmine, Zeki, David L, Kaplan, Bill, Chiu	No
Proteoglycan-targeting applied to hypoxia-activated prodrug therapy in chondrosarcoma: first proof-of-concept	Oncotarget	http://www.oncotarget.com/fulltext/21337	2017	Aurélien, Voissiere, Valérie, Weber, Yvain, Gerard, Françoise, Rédin, Florian, Raes, Jean-michel, Chezal, Françoise, Degout, Caroline, Peyrode, Elisabeth, Miot-Noirault	No
PSMA-targeted theranostic nanocarrier for prostate cancer	Theranostics		2017	Oriley, Flores, Santimukul, Santra, Charalambos, Kaittanis, Rania, Bassiouni, Amr S., Khaled, Annette R., Khaled, Jan, Grimm, J Manuel, Perez	No
Early assessment of tumor response to radiation therapy using high-resolution quantitative microvascular ultrasound imaging	Theranostics		2018	Sandeep K, Kasoji, Judith N, Rivera, Ryan C, Gessner, Sha X, Chang, Paul A, Dayton	No
Tissue-directed Implantation Using Ultrasound Visualization for Development of Biologically Relevant Metastatic Tumor Xenografts	In vivo		2017	Raelene A V A N, Noord, Tina, Thomas, Melanie, Krook, Sahiti, Chukkappalli, Mark J, Hoenerhoff, Jonathan R, Dillman, Elizabeth R, Lawlor, Valerie P, Pipari, Erika A, Newman	No
Polyaniline-loaded γ-polyglutamic acid nanogels as a platform for photoacoustic imaging-guided tumor photothermal therapy	Nanoscale	http://xlink.rsc.org/?DOI=C7NR04241H	2017	Yiwei, Zhou, Yong, Hu, Wenjie, Sun, Benqing, Zhou, Jianzhi, Zhu, Chen, Peng, Mingwu, Shen, Xiangyang, Shi	No
Inhibition of ROCK1 kinase modulates both tumor cells and stromal fibroblasts in pancreatic cancer	PLoS ONE		2017	Clifford J., Whattcott, Serina, Ng, Michael T., Barrett, Galen, Hostetter, Daniel D., Von Hoff, Haiyong, Han	No
Non-invasive monitoring of the therapeutic response in sorafenib-treated hepatocellular carcinoma based on photoacoustic imaging	European Radiology	http://link.springer.com/10.1007/s00330-017-4960-3	2017	Seunghyun, Lee, Jung Hoon, Kim, Jae Hwan, Lee, Jeong Hwa, Lee, Joon Koo, Han	No
Modeling the Iatrogenic Pancreatic Cancer Risk After Islet Autotransplantation in Mouse	American Journal of Transplantation		2017	E. Dugnani, V. Pasquale, D. Liberati, A. Citro, E. Cantarelli, S. Pellegrini, P. Marra, T. Canu, G. Balzano, M. Scavini, A. Esposito, C. Dogliani, L. Piemonti	No
CD8α intraepithelial lymphocytes arise from two main thymic precursors	Nature Immunology		2017	Roland, Ruscher, Rebecca L, Kummer, You Jeong, Lee, Stephen C, Jameson, Kristin A, Hogquist	No
BSA-Bioinspired Gadolinium Hybrid-Functionalized Hollow Gold Nanoshells for NIRF/PA/CT/MR Quadmodal Diagnostic Imaging-Guided Photothermal/Photodynamic Cancer Therapy	ACS Applied Materials and Interfaces		2017	Qing, Yu, Qi, Sun, Meng, Yu, Jiping, Wang, Siyu, Wang, Li, Liu, Yu, Cheng, Yidan, Wang, Yilin, Song, Fengping, Tan, Nan, Li	No
Primary Immunoprevention of Epithelial Ovarian Carcinoma by Vaccination against the Extracellular Domain of Anti-Müllerian Hormone Receptor II	Cancer Prevention Research	http://cancerpreventionresearch.aacrjournals.org/lookup/doi/10.1158/1940-6207.C...	2017	Suparna, Mazumder, Justin M, Johnson, Valerie, Swank, Nina, Dvorina, Elizabeth, Martelli, Jennifer, Ko, Vincent K, Tuohy	No
Biological Evaluation of a Fluorescent-Imaging Agent for Medullary Thyroid Cancer in an Orthotopic Model	The Journal of clinical endocrinology and metabolism		2017	Kara K, Rossfeld, Steven E, Justiniano, Haiming, Ding, Li, Gong, Shankaran, Kothandaraman, Dwitya, Sawant, Motoyasa, Saiji, Chadwick L, Wright, Lawrence S, Kirschner, Matthew D, Ringel, Michael F, Tweedle, John E, Phay	No
Inhibition of bone marrow-derived mesenchymal stem cells homing towards triple-negative breast cancer microenvironment using an anti-PDGFβ aptamer	Theranostics	http://www.thno.org/v07p3595.htm	2017	Simona, Camorani, Billy Samuel, Hill, Raffaella, Fontanella, Adelaide, Greco, Matteo, Gramanzini, Luigi, Auletta, Sara, Gargiulo, Sandra, Albanese, Enrico, Lucarelli, Laura, Cerchia, Antonella, Zannetti	No
Optical clearing and fluorescence deep-tissue imaging for 3D quantitative analysis of the brain tumor microenvironment	Angiogenesis	http://link.springer.com/10.1007/s10456-017-9565-6	2017	Tonny, Lagerweij, Sophie A, Dusowska, Adrian, Negrean, Esther M. L., Hendrikx, Helga E., de Vries, Jeroen, Kole, Juan J., Garcia-Vallejo, Hubert D., Mansveider, W. Peter, Vandertop, David P., Noske, Bakhos A., Tannous, René J. P., Musters, Yvette, van Kooyk, Pieter, Wesseling, Xi Wen, Zhao, Thomas, Wurdinger	No
Carbon ion radiotherapy: Impact of tumor differentiation on local control in experimental prostate carcinomas	Radiation Oncology		2017	Christin, Glowa, Peter, Peschke, Stephan, Brons, Oliver C, Neels, Klaus, Kopka, Jürgen, Debus, Christian P, Karger	No
A Combination of Radiation and the Hypoxia-Activated Prodrug Evofosfamide (TH-302) is Efficacious against a Human Orthotopic Pancreatic Tumor Model	Translational Oncology	https://doi.org/10.1016/j.tranon.2017.06.010	2017	Carla, Haji, James, Russell, Charles P, Hart, Karyn A., Goodman, Maeve A., Lowery, Adriana, Haimovitz-Friedman, Joseph O, Deasy, John L, Humm	No
MicroRNA-378 enhances radiation response in ectopic and orthotopic implantation models of glioblastoma	Journal of Neuro-Oncology	http://dx.doi.org/10.1007/s11060-017-2646-y	2017	Wende, Li, Yujiao, Liu, Weining, Yang, Xiaoxing, Han, Sen, Li, Hao, Liu, Leo E., Gerweck, Dai, Fukumura, Jay S., Loeffler, Burton B., Yang, Rakesh K, Jain, Peigen, Huang	No
Photoacoustic-Guided Surgery with Indocyanine Green-Coated Superparamagnetic Iron Oxide Nanoparticle Clusters	Small		2017	Jayesh P, Thawani, Ahmad, Amirshaghghi, Lesan, Yan, Joel M, Stein, Jessica, Liu, Andrew, Tsourkas	No

Title	Journal	Link	Publication date	References	Top Paper
Targeting CXCR4-dependent immunosuppressive Ly6C low monocytes improves antiangiogenic therapy in colorectal cancer	Proceedings of the National Academy of Sciences	http://www.pnas.org/lookup/doi/10.1073/pnas.1710754114	2017	Keehoon, Jung, Takahiro, Heishi, Joao, Incio, Yuhui, Huang, Elizabeth Y, Beech, Matthias, Pinter, William W, Ho, Kosuke, Kawaguchi, Nuh N, Rahbari, Euiheon, Chung, Jun Ki, Kim, Jeffrey W., Clark, Christopher G., Willett, Seok Hyun, Yun, Andrew D, Luster, Timothy P, Padera, Rakesh K, Jain, Dai, Fukumura	No
One-pot synthesis of pH-responsive charge-switchable PEGylated nanoscale coordination polymers for improved cancer therapy	Biomaterials	https://doi.org/10.1016/j.biomaterials.2017.11.038	2018	Yu, Yang, Liqeng, Xu, Wenjun, Zhu, Liangzhu, Feng, Jingjing, Liu, Qian, Chen, Ziliang, Dong, Jiayue, Zhao, Zhuang, Liu, Meiwang, Chen	No
Establishment of highly metastatic KRAS mutant lung cancer cell sublines in long-term three-dimensional low attachment cultures	PLoS ONE		2017	Tomoyuki, Nakano, Yoshihiko, Kanai, Yusuke, Amano, Tachiro, Yoshimoto, Daisuke, Matsubara, Tomoki, Shibano, Tomoko, Yamaji, Sachiko, Oguni, Shizuka, Katsushiba, Takeshi, Ito, Yoshinori, Murakami, Masashi, Fukayama, Takashi, Murakami, Shunsuke, Endo, Toshiro, Niki	No
Fibroblast activation protein augments progression and metastasis of pancreatic ductal adenocarcinoma	JCI Insight	http://www.ncbi.nlm.nih.gov/pubmed/28978805?https://insight.jci.org/articles/...	2017	Albert, Lo, Chung-pin, Li, Elizabeth L, Buza, Rachel, Blomberg, Priya, Govindaraju, Diana, Avery, James, Minslow, Michael, Hsiao, Ellen, Puré	No
Spatiotemporal Optoacoustic Mapping of Tumor Hemodynamics in a Clinically Relevant Orthotopic Rabbit Model of Head and Neck Cancer	Translational Oncology	https://doi.org/10.1016/j.tranon.2017.08.004	2017	Laurie J, Rich, Sandra, Sexton, Leslie, Curtin, Mukund, Seshadri	No
Unfavorable effect of calcitriol and its low-calcemic analogs on metastasis of 4T1 mouse mammary gland cancer	International Journal of Oncology		2018	Artur, Anisiewicz, Agata, Pawlik, Beata, Filip-Psurska, Eliza, Turlej, Stanislaw, Dzimira, Magdalena, Mliczarek, Katar Zyna, Gdesz, Diana, Papiernik, Joanna, Jarosz, Dagmara, Klopotoska, Andrzej, Kutner, Andrzej, Mazur, Joanna, Wietrzyk	No
Anti-RhoL antibody functionalized Au@I nanoparticles as CT-guided tumor vessel-targeting radiosensitizers in patient-derived tumor xenograft model	Biomaterials	http://dx.doi.org/10.1016/j.biomaterials.2017.06.036	2017	Sen, Liu, Hui, Li, Luyao, Xia, Peipei, Xu, Yin, Ding, Da, Huo, Yong, Hu	No
Contrast enhanced ultrasound imaging can predict vascular-targeted photodynamic therapy induced tumor necrosis in small animals	Photodiagnosis and Photodynamic Therapy	https://doi.org/10.1016/j.pdpdt.2017.09.002	2017	F. H., Cornelis, K, Kim, J. C., Durack, S, Jebiwott, A, Scherz, G, Srimathveeravalli, J. A., Coleman	No
A Systems Biology Approach Identifies FUT8 as a Driver of Melanoma Metastasis	Cancer Cell		2017	Praveen, Agrawal, Barbara, Fontanals-Cirera, Elena, Sokolova, Samson, Jacob, Christopher A, Vaiana, Diana, Argibay, Veronica, Davalos, Meagan, McDermott, Shruti, Nayak, Farbod, Darvishian, Miria, Castillo, Beatriz, Ueberheide, Iman, Osman, David, Fenyo, Lara K, Mahal, Eva, Hernando	No
Ly6Clonocytes drive immunosuppression and confer resistance to anti-VEGFR2 cancer therapy	Journal of Clinical Investigation		2017	Keehoon, Jung, Takahiro, Heishi, Omar F, Khan, Piotr S, Kowalski, Joao, Incio, Nuh N, Rahbari, Euiheon, Chung, Jeffrey W, Clark, Christopher G, Willett, Andrew D, Luster, Seok Hyun, Yun, Robert, Langer, Daniel G, Anderson, Timothy P, Padera, Rakesh K, Jain, Dai, Fukumura	No
Red blood cell membrane-camouflaged melanin nanoparticles for enhanced photothermal therapy	Biomaterials	http://dx.doi.org/10.1016/j.biomaterials.2017.07.027	2017	Qin, Jiang, Zimiao, Luo, Yongzhi, Men, Peng, Yang, Haibao, Peng, Ranran, Guo, Ye, Tian, Zhiquing, Pang, Wuli, Yang	No
The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation	Science Translational Medicine		2017	David P, Kodack, Vasileios, Askoxylakis, Gino B, Ferraro, Qing, Sheng, Mark, Badeaux, Shom, Goel, Xiaolong, Qi, Ram, Shankaraiah, Z, Alexander, Cao, Rakesh R, Ramjiawan, Divya, Bezawada, Bhushankumar, Patel, Yongchul, Song, Carlotta, Costa, Kamila, Naxerova, Christina S.F., Wong, Jonas, Kloepper, Rita, Das, Angela, Tam, Jantima, Tanboon, Dan G, Duda, Ryan, Miller, Marni B, Siegel, Carey K, Anders, Melinda, Sanders, Monica V, Estrada, Robert, Schlegle, Carlos L, Arteaga, Elena, Brachtel, Alan, Huang, Dai, Fukumura, Jeffrey A, Engelman, Rakesh K, Jain	No
NOTCH3 regulates stem-to-mural cell differentiation in infantile hemangioma	JCI Insight	https://insight.jci.org/articles/view/93764	2017	Andrew K, Edwards, Kyle, Glithero, Peter, Grzesik, Alison A., Kitajewski, Naikhoza C.O., Munabi, Krista, Hardy, Qian Kun, Tan, Michael, Schonning, Thaned, Kangsamaksin, Jan K, Kitajewski, Carrie J, Shawber, June K, Wu	No
Phosphatidylserine targeted single-walled carbon nanotubes for photothermal ablation of bladder cancer	Nanotechnology	http://dx.doi.org/10.1088/1361-6528/aa9c0c	2018	Needa A, Virani, Carole, Davis, Patrick, McKernan, Paul, Hauser, Robert E, Hurst, Joel, Slaton, Ricardo P, Silvy, Daniel E, Resasco, Roger G, Harrison	No
mTORC1 Couples Nucleotide Synthesis to Nucleotide Demand Resulting in a Targetable Metabolic Vulnerability	Cancer Cell	https://doi.org/10.1016/j.ccell.2017.09.013	2017	Alexander J, Valvezan, Marc, Turner, Amine, Belaid, Hilaire C., Lam, Spencer K., Miller, Molly C., McNamara, Christian, Baglini, Benjamin E., Housden, Norbert, Perrimon, David J., Kwiatkowski, John M, Asara, Elizabeth P, Henske, Brendan D, Manning	No
Development of prostate specific membrane antigen targeted ultrasound microbubbles using bioorthogonal chemistry	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0176958	2017	Aimen, Ziltni, Melissa, Yin, Nancy, Janzen, Samit, Chatterjee, Ala, Lisak, Kathleen L., Gabrielson, Sridhar, Nimmagadda, Martin G., Pomper, F. Stuart, Foster, John F., Valliant	No
A tumor vessel-targeting fusion protein elicits a chemotherapeutic bystander effect in pancreatic ductal adenocarcinoma	American Journal of Cancer Research		2017	Chun Te, Chen, Yi Chun, Chen, Yi, Du, Zhenbo, Han, Haoqiang, Ying, Richard R., Bouchard, Jennifer L., Hsu, Jung Mao, Hsu, Trevor M., Mitcham, Mei Kuang, Chen, Hui Lung, Sun, Shih Shin, Chang, Donghui, Li, Ping, Chang, Ronald A., DePinho, Mien Chie, Hung	No
Photoacoustic signal characterization of cancer treatment response: Correlation with changes in tumor oxygenation	Photoacoustics	http://dx.doi.org/10.1016/j.pacs.2017.03.003	2017	Eno, Hysi, Lauren A., Wirtzfeld, Jonathan P., May, Elijus, Undzys, Shyh-Dar, Li, Michael C., Koilos	No
Lanthanide-integrated supramolecular polymeric nanosassembly with multiple regulation characteristics for multidrug-resistant cancer therapy	Biomaterials	http://dx.doi.org/10.1016/j.biomaterials.2017.03.020	2017	Weihong, Jin, Qiwen, Wang, Min, Wu, Yang, Li, Guping, Tang, Yuan, Ping, Paul K., Chu	No
NH4HCO3 gas-generating liposomal nanoparticle for photoacoustic imaging in breast cancer	International Journal of Nanomedicine	https://www.dovepress.com/nh4hco3-gas-generating-liposomal-nanoparticle-for-pho...	2017	Jizhu, Xia, Gang, Feng, Xiaorong, Xia, Lan, Hao, Zhigang, Wang	No
Ganetespib synergizes with cyclophosphamide to improve survival of mice with autochthonous tumors in a mutant p53-dependent manner	Cell Death and Disease	http://dx.doi.org/10.1038/cddis.2017.108	2017	Evguenia M., Alexandrova, Sulan, Xu, Ute M., Moll	No
Radiolabeled pertuzumab for imaging of human epidermal growth factor receptor 2 expression in ovarian cancer	European Journal of Nuclear Medicine and Molecular Imaging	http://link.springer.com/10.1007/s00259-017-3663-y	2017	Dawei, Jiang, Hyung-Jun, Im, Haiyan, Sun, Hector F., Valdovinos, Christopher G., England, Emily B., Ehlerding, Robert J., Nickles, Dong Soo, Lee, Steve Y., Cho, Peng, Huang, Weibo, Cai	No
Targeting the tumour microenvironment with an enzyme-responsive drug delivery system for the efficient therapy of breast and pancreatic cancers	Chem. Sci.	http://xlink.rsc.org/?DOI=C7SC00472A	2017	Brigitte, Renoux, Florian, Raes, Thibaut, Leqigan, Elodie, Péraudeau, Balkis, Edhif, Pauline, Poinot, Isabelle, Tranoy-Opalinski, Jérôme, Atsaraf, Oleksandr, Koniev, Sergii, Kolodych, Stéphanie, Lerondel, Alain, Le Pape, Jonathan, Clarhaut, Sébastien, Papot	No
Drug "Pent-Up" in Hollow Magnetic Prussian Blue Nanoparticles for NIR-Induced Chemo-Photothermal Tumor Therapy with Trimodal Imaging	Advanced Healthcare Materials	http://doi.wiley.com/10.1002/adhm.201700005	2017	Jinghua, Li, Fengshou, Zhang, Zhigang, Hu, Weidong, Song, Guangda, Li, Gaofeng, Liang, Jun, Zhou, Ke, Li, Yang, Cao, Zhong, Luo, Kaiyong, Cai	No
A Model-Based Personalized Cancer Screening Strategy for Detecting Early-Stage Tumors Using Blood-Borne Biomarkers	Cancer Research	http://cancerres.aacrjournals.org/lookup/doi/10.1158/0008-5472.CAN-16-2904	2017	Sharon Seiko, Hori, Amelie M., Lutz, Ramasamy, Paulmurugan, Sanjiv Sam, Gambhir	No
In Vitro and In Vivo Comparison of Gemcitabine and the Gemcitabine Analog 1-(2'-deoxy-2'-fluorouracilfuranosyl) Cytosine (FAC) in Human Orthotopic and Genetically Modified Mouse Pancreatic Cancer Models	Molecular Imaging and Biology	http://link.springer.com/10.1007/s11307-017-1078-6	2017	James, Russell, Nagavarakishore, Pillarsetty, Robin M., Kramer, Paul B., Romesser, Powya, Desai, Adriana, Haimovitz-Friedman, Maeve A., Lowery, John L., Humm	No
Autamer-mediated impairment of EGFR-integrin α3β3 complex inhibits vasculogenic mimicry and growth of triple-negative breast cancers	Scientific Reports	http://www.nature.com/articles/srep46659	2017	Simona, Camorani, Elvira, Crescenzi, Matteo, Gramanzini, Monica, Fedele, Antonella, Zannetti, Laura, Cerchia	No
In vivo photoacoustics and high frequency ultrasound imaging of mechanical high intensity focused ultrasound (HIFU) ablation	Biomedical Optics Express	https://www.osapublishing.org/abstract.cfm?URI=boe-8-4-2235	2017	Khalid, Daoudi, Martijn, Hoogenboom, Martijn, den Brok, Dylan, Eikelenboom, Gosse J., Adema, Jürgen J., Fütterer, Chris L., de Korte	No

Title	Journal	Link	Publication date	References	Top Paper
In Vivo Targeted Contrast Enhanced Micro-Ultrasound to Measure Intratumor Perfusion and Vascular Endothelial Growth Factor Receptor 2 Expression in a Mouse Orthotopic Bladder Cancer Model	The Journal of Urology	http://dx.doi.org/10.1016/j.juro.2011.02.047	2011	Eddie S.Y., Chan, Amit R., Patel, William A., Larchian, Warren D., Heston	No
PBCA-based polymeric microbubbles for molecular imaging and drug delivery	Journal of Controlled Release	http://dx.doi.org/10.1016/j.jconrel.2017.03.006	2017	Patrick, Koczera, Lia, Appold, Yang, Shi, Mengjiao, Liu, Anshuman, Dasgupta, Vertika, Pathak, Tarun, Dha, Stanley, Fokong, Zhuojun, Wu, Marc, van Zandvoort, Olga, Iranzo, Alexander J.C., Kushe, Andrij, Pich, Fabian, Kiessling, Twan, Lammers	No
Optimizing ultrasound molecular imaging of secreted frizzled related protein 2 expression in angiosarcoma	PLOS ONE	http://dx.doi.org/10.1371/journal.pone.0174281	2017	James K., Tsuruta, Nicholas P., Schaub, Juan D., Rojas, Jason, Streeter, Nancy, Klauber-DeMore, Paul, Dayton	No
Marriage of Albumin-Gadolinium Complexes and MoS₂ Nanoflakes as Cancer Theranostics for Dual-Modality Magnetic Resonance/Photoacoustic Imaging and Photothermal Therapy	ACS Applied Materials & Interfaces	http://pubs.acs.org/doi/10.1021/acsmi.7b04488	2017	Liang, Chen, Xiaojun, Zhou, Wei, Nie, Wei, Feng, Qianqian, Zhang, Weizhong, Wang, Yanzhong, Zhang, Zhigang, Chen, Peng, Huang, Chuanglong, He	No
A novel treatment for metastatic lymph nodes using lymphatic delivery and photothermal therapy	Scientific Reports	http://dx.doi.org/10.1038/srep45459	2017	Adewale O., Oladipo, Oluwatobi S., Oluwafemi, Sandile P., Songca, Ariunbuyan, Sukhbaatar, Shiro, Mori, Junnosuke, Okajima, Atsuki, Komiyama, Shigenao, Maruyama, Tetsuya, Kodama	No
A triple-synergistic strategy for combinational photoradiotherapy and multi-modality imaging based on hyaluronic acid-hybridized polyaniline-coated WS₂ nanodots	Nanoscale	http://xlink.rsc.org/?DOI=C6NR09219E	2017	Jinping, Wang, Xiaojun, Pang, Xiaoxiao, Tan, Yilin, Song, Li, Liu, Qing, You, Qi, Sun, Fengping, Tan, Nan, Li	No
A Smart Responsive Dual Aptamers-Targeted Bubble-Generating Nanosystem for Cancer Triplex Therapy and Ultrasound Imaging	Small	http://doi.wiley.com/10.1002/smll.201603990	2017	Fefei, Zhao, Jie, Zhou, Xiangjie, Su, Yuhui, Wang, Xiaosa, Yan, Shaona, Jia, Bin, Du	No
Dielectric properties of the normal and malignant breast tissues in xenograft mice at low frequencies (100 Hz-1 MHz)	Measurement	http://dx.doi.org/10.1016/j.measurement.2017.04.004	2017	Seyyed M., Hesabgar, Ali, Sadeghi-Naini, Gregory, Czarnota, Abbas, Samani	No
Validation of Revacizumab Therapy Effect on Colon Cancer Subtypes by Using Whole Body Imaging in Mice	Molecular Imaging and Biology	http://link.springer.com/10.1007/s11307-017-1048-z	2017	Ivan, Vuletic, Kedi, Zhou, Hui, Li, Huichen, Bai, Xiangxi, Meng, Sihao, Zhu, Yichen, Ding, Jun, Li, Hongfang, Sun, Qiusi, Ren	No
Near-infrared photothermal therapy using EGFR-targeted gold nanoparticles increases autophagic cell death in breast cancer	Journal of Photochemistry and Photobiology B: Biology	http://dx.doi.org/10.1016/j.jphotobiol.2017.03.025	2017	Meihua, Zhang, Hoe Suk, Kim, Tiefeng, Jin, Woo Kyung, Moon	No
Optimizing non-invasive radiofrequency hyperthermia treatment for improving drug delivery in 4T1 mouse breast cancer model	Scientific Reports	http://dx.doi.org/10.1038/srep43961	2017	Matthew J., Ware, Marlyna, Krzykawka-Serda, Jason, Chak-Shing Ho, Jared, Newton, Sarah, Suki, Justin, Law, Lam, Nguyen, Vazrik, Keshishian, Maciej, Serda, Kimberly, Taylor, Steven A., Curley, Stuart J., Corr	No
Cabozantinib Eradicates Advanced Murine Prostate Cancer by Activating Antitumor Innate Immunity	Cancer Discovery	http://cancerdiscovery.aacrjournals.org/lookup/doi/10.1158/2159-8290.CD-16-0778	2017	Akash, Patnaik, Kenneth D., Swanson, Eva, Cizmadi, Aniruddh, Solanki, Natalie, Landon-Brace, Marina P., Gehring, Katja, Helenius, Brian M., Olson, Athalia R., Pyzer, Lily C., Wang, Olivier, Elemento, Jesse, Novak, Thomas B., Thornley, John M., Asara, Laleh, Montaser, Joshua J., Timmons, Todd M., Morgan, Yugang, Wang, Elena, Levantini, John G., Clohessy, Kathleen, Kelly, Pier Paolo, Pandolfi, Jacalyn M., Rosenblatt, David E., Avigan, Huihui, Ye, Jeffrey M., Karp, Sabina, Signoretti, Steven P., Balk, Lewis C., Cantley	No
Altering calcium influx for selective destruction of breast tumor	BMC Cancer	http://bmccancer.biomedcentral.com/articles/10.1186/s12885-017-3168-x	2017	Han-Gang, Yu, Sarah, McLaughlin, Mackenzie, Newman, Kathleen, Brundage, Amanda, Ammer, Karen, Martin, James, Coad	No
High-Resolution Ultrasound in Research of Mouse Orthotopic Glioma and Ultrasound-Guided Cell Implant	Advances in Molecular Imaging	http://www.scirp.org/journal/doi.aspx?DOI=10.4236/ami.2011.12004	2011	Byung Kook, Kwak, Jean-Francois H., Geschwind, Pramod P., Rao, Shinichi, Ota, Romaric, Loffroy, MingDe, Lin, Shanmugasundaram, Ganapathy-Kanniappan, Rani, Kunjithapatham, Manon, Bujs, Labiq H., Syed, Eleni, Liapi, Vadappuram P., Chacko, Mustafa, Vali	No
Detection and characterization of murine colitis and carcinogenesis by molecularly targeted contrast-enhanced ultrasound	World Journal of Gastroenterology	http://www.wjnet.com/1007-9327/full/v23/i16/2899.htm	2017	Markus, Brückner, Jan, Heidemann, Tobias M, Nowacki, Friederike, Cordes, Jörg, Stypmann, Philipp, Lenz, Faekah, Gohar, Andreas, Lügering, Dominik, Bettenworth	No
Comparison of dynamic contrast-enhanced MR, ultrasound and optical imaging modalities to evaluate the antiangiogenic effect of PF-03084014 and sunitinib	Cancer Medicine	http://doi.wiley.com/10.1002/cam4.215	2014	Cathy C., Zhang, Zhengming, Yan, Anand, Giddabasappa, Patrick B., Lappin, Cory L., Painter, Qin, Zhang, Gang, Li, James, Goodman, Brett, Simmons, Bernadette, Pascual, Joseph, Lee, Ted, Levkoff, Tim, Nichols, Zhiyong, Xie	No
Generation of orthotopic patient-derived xenografts from gastrointestinal stromal tumor	Journal of Translational Medicine	http://www.translational-medicine.com/content/12/1/41	2014	Jason K, Sicklick, Stephanie Y, Leonard, Michele L, Babicky, Chih-Min, Tang, Evangeline S, Mose, Randall P, French, Dawn V, Jaquish, Carl K, Hoh, Michael, Peterson, Richard, Schwab, Andrew M, Lowy	No
Vascular Endothelial Growth Factor Receptor Type 2-targeted Contrast-enhanced US of Pancreatic Cancer Neovasculature in a Genetically Engineered Mouse Model: Potential for Earlier Detection	Radiology	http://pubs.rsna.org/doi/10.1148/radiol.14140568	2015	Marybeth A., Pysz, Steven B., Mächtaier, E. Scott, Seeley, John J., Lee, Teresa A., Brentnall, Jarrett, Rosenberg, François, Tranquart, Jürgen K., Willmann	No
Monitoring of Blood Vessel Density Using Contrast-Enhanced High Frequency Ultrasound May Facilitate Early Diagnosis of Lymph Node Metastasis	Journal of Cancer	http://www.jcancer.org/v08p0704.htm	2017	Takuma, Sato, Tomoaki, Takemura, Tomoki, Ouchi, Shiro, Mori, Maya, Sakamoto, Yoichi, Arai, Tetsuya, Kodama	No
Orthogonal near-infrared upconversion co-regulated site-specific O₂ delivery and photodynamic therapy for hypoxia tumor by using red blood cell microcarriers	Biomaterials	http://linkinghub.elsevier.com/retrieve/pii/S0142961217300923	2017	Peyuan, Wang, Xiaomin, Li, Chi, Yao, Wenxing, Wang, Mengyao, Zhao, Ahmed Mohamed, El-Toni, Fan, Zhang	No
Highly versatile SPION encapsulated PLGA nanoparticles as photothermal ablaters of cancer cells and as multimodal imaging agents	Biomater. Sci.	http://xlink.rsc.org/?DOI=C6BM00621C	2017	Balasubramanian, Sivakumar, Ravindran Girija, Aswathy, Rebecca, Romero-Aburto, Trevor, Mitcham, Keith A., Mitchel, Yutaka, Nagaoka, and Richard R., Bouchard, Pulickel M., Ajayan, Toru, Maekawa, Dasappan Nair, Sakthikumar	No
Enhancing the anti-multiple myeloma efficiency in a cancer stem cell xenograft model by conjugating the ABCG2 antibody with microbubbles for a targeted delivery of ultrasound mediated epirubicin	Biochemical Pharmacology	http://linkinghub.elsevier.com/retrieve/pii/S0006295217300916	2017	Fangfang, Shi, Miao, Li, Songyan, Wu, Fang, Yang, Wu, Di, Meng, Pan, Fengshu, Zhao, Shouhua, Luo, Ning, Gu, Jun, Dou	No
Matrix stiffening promotes a tumor vasculature phenotype	Proceedings of the National Academy of Sciences	http://www.pnas.org/lookup/doi/10.1073/pnas.1613855114	2017	Francois, Bordenave, Brooke N., Mason, Emmanuel Macklin, Lollis, Michael, Mazzola, Matthew R., Zanolletti, Sahana, Somasegar, Joseph P., Califano, Christine, Montague, Danielle J., LaValley, John, Huynh, Nuria, Mencia-Trinchant, Yashira L., Negrón Abril, Duane C., Hassane, Lawrence J., Bonassar, Jonathan T., Butcher, Robert S., Weiss, Cynthia A., Reinhart-King	No
Magnetic Nanoliposomes as In Situ Microbubble Bombers for Multimodality Image-Guided Cancer Theranostics	ACS Nano	http://pubs.acs.org/doi/abs/10.1021/acsnano.6b06815	2017	Yang, Liu, Fang, Yang, Chuxiao, Yuan, Mingxi, Li, Tuantuan, Wang, Bo, Chen, Juan, Jin, Peng, Zhao, Jiayi, Tong, Shouhua, Luo, Ning, Gu	No
Synthesis and functionalization of protease-activated nanoparticles with tissue plasminogen activator peptides as targeting moiety and diagnostic tool for pancreatic cancer	Journal of Nanobiotechnology	http://nanobiotechnology.biomedcentral.com/articles/10.1186/s12951-016-0236-3	2016	Sophie, Dobiasch, Szilard, Szanyi, Aleko, Kjaev, Jens, Werner, Albert, Strauss, Christian, Weis, Lars, Grenacher, Katya, Kapilov-Buchman, Liron-Limor, Israel, Jean-Paul, Lelouche, Erica, Locatelli, Mauro Comes, Franchini, Jennifer, Vandooren, Ghislain, Opendakker, Klaus, Felix	No
Theranostic Liposomes with Hypoxia-Activated Prodrug to Effectively Destruct Hypoxic Tumors Post-Photodynamic Therapy	ACS Nano	http://pubs.acs.org/doi/abs/10.1021/acsnano.6b07525	2017	Liangzhu, Feng, Liang, Cheng, Ziliang, Dong, Danlei, Tao, Todd E., Barnhart, Weibo, Cai, Meiwang, Chen, Zhuang, Liu	No
Tumor angiogenesis of SCLC inhibited by decreased expression of FMO3 via downregulating angiogenic factors of endothelial cells	Biomedicine & Pharmacotherapy	http://dx.doi.org/10.1016/j.biopha.2016.12.110	2017	Zhi, Ao, Shilong, Yu, Pin, Qian, Wenhong, Gao, Ruling, Guo, Xiaoxiao, Dong, Jianping, Xu, Ruijie, Zhang, Chaowen, Jiang, Fuyun, Ji, Guisheng, Qian	No
Limiting the protein corona: A successful strategy for in vivo active targeting of anti-HER2 nanobody-functionalized nanostars	Biomaterials	http://linkinghub.elsevier.com/retrieve/pii/S0142961217300157	2017	Antoine, D'Hollander, Hilde, Jans, Greetje Vande, Velde, Charlotte, Verstraete, Sam, Massa, Nick, Devoogdt, Tim, Stakenborg, Serge, Muyldermans, Liesbet, Lagae, Uwe, Himmelreich	No

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Ultrasound Molecular Imaging of the Breast Cancer Neovasculature using Engineered Fibronectin Scaffold Ligands: A Novel Class of Targeted Contrast Ultrasound Agent	Theranostics	http://www.thno.org/v06p1740.htm	2016	Lotfi, Abou-Elkacem, Katheryne E. Wilson, Sadie M. Johnson, Sayan M. Chowdhury, Junitha, Bachawal, Benjamin J. Hackel, Lu, Tian, Jürgen K., Willmann	No
PD-L1 blockade enhances response of pancreatic ductal adenocarcinoma to radiotherapy	EMBO Molecular Medicine	http://embomolmed.embopress.org/lookup/doi/10.15252/emmm.201606674	2016	Abul, Azad, Su, Yin Lim, Zenobia, D'Costa, Keaton, Jones, Angela, Diana, Owen J., Sansom, Philipp, Kruger, Stanley, Liu, W. Gillies, McKenna, Omer, Dushkek, Ruth J., Muschel, Emmanouil, Fokas	No
Combination of Eribulin and Aurora A Inhibitor MLN8237 Prevents Metastatic Colonization and Induces Cytotoxic Autophagy in Breast Cancer	Molecular Cancer Therapeutics	http://mct.aacrjournals.org/cgi/doi/10.1158/1535-7163.MCT-15-0688	2016	V. K., Kozyreva, A. A., Kiseleva, R. J., Ice, B. C., Jones, Y. V., Loskutov, F., Matakah, M. B., Smolkin, K., Marinak, R. H., Livengood, M. A., Salkeni, S., Wen, H. W., Hazard, G. P., Layne, C. M., Walsh, P. S., Cantrell, G. W., Kilby, S., Mahavadi, N., Shah, E. N., Pugecheva	No
Anti-VEGF therapy induces ECM remodeling and mechanical barriers to therapy in colorectal cancer liver metastases	Science Translational Medicine	http://stm.sciencemag.org/cgi/doi/10.1126/scitranslmed.aaf5219	2016	Nuh N, Rahbari, Dmitriy, Kedrin, Joao, Incio, Hao, Liu, William W, Ho, Hadi T, Nia, Christina M, Edrich, Keehon, Jung, Julien, Daubric, Ivy, Chen, Takahiro, Heishi, John D, Martin, Yuhui, Huang, Nir, Maimon, Christoph, Reissfelder, Jürgen, Weltz, Yves, Boucher, Jeffrey W, Clark, Alan J, Grodzinsky, Dan G, Duda, R. K., Jain, D., Fukumura	No
Mitochondrial Targeting of Metformin Enhances Its Activity against Pancreatic Cancer	Molecular Cancer Therapeutics	http://mct.aacrjournals.org/cgi/doi/10.1158/1535-7163.MCT-15-1021	2016	S., Boukalova, J., Stursa, L., Werner, Z., Ezrova, J., Cerny, A., Bezawork-Geleta, A., Pecinova, L., Dong, Z., Drahota, J., Neuzil	No
Sonoporation with Acoustic Cluster Therapy (ACT[®]) induces transient tumour volume reduction in a subcutaneous xenograft model of pancreatic ductal adenocarcinoma	Journal of Controlled Release	http://dx.doi.org/10.1016/j.jconrel.2016.11.019	2016	Spiros, Kotopoulos, Endre, Stigen, Mihaela, Popa, Mireia Mayoral, Safont, Andrew, Healey, Svein, Kvåle, Per, Sontum, Bjørn Tore, Gjertsen, Odd Helge, Gilja, Emmet, McCormack	No
Local checkpoint inhibition of CTLA-4 as a monotherapy or in combination with anti-PD1 prevents the growth of murine bladder cancer	European Journal of Immunology	http://doi.wiley.com/10.1002/eji.201646583	2016	Luuk, van Hooren, Linda C, Sandin, Igor, Moskalev, Peter, Elmark, Anna, Dimberg, Peter, Black, Thomas H, Tötterman, Sara M, Mangsbo	No
Suppression of Tumor Growth and Muscle Wasting in a Transgenic Mouse Model of Pancreatic Cancer by the Novel Histone Deacetylase Inhibitor AR-42	Neoplasia	http://linkinghub.elsevier.com/retrieve/pii/S1476558616301725	2016	Sally E., Henderson, Li-Yun, Ding, Xiaokui, Mo, Taniots, Bekail-Saad, Samuel K., Kulp, Ching-Shih, Chen, Po-Hsien, Huang	No
Quantitative Assessment of Cancer Vascular Architecture by Skeletonization of High-resolution 3-D Contrast-enhanced Ultrasound Images: Role of Liposomes and Microbubbles	Technology in cancer research & treatment	http://www.ncbi.nlm.nih.gov/pubmed/24206210	2014	F. Molinari, K. M. Meiburger, P. Giustetto, S. Rizzitelli, C. Boffa, M. Castano, E. Terreno	No
A Multimodal Imaging Approach for Longitudinal Evaluation of Bladder Tumor Development in an Orthotopic Murine Model	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0161284	2016	Chantal, Scheepbouwer, Sandra, Meyer, Maroeska J., Burggraaf, Jithin, Jose, Carla F M, Mothoff	No
Quantitative assessment of pancreatic cancer precursor lesions in IHC-stained tissue with a tissue image analysis platform	Laboratory Investigation	http://www.nature.com/dofinder/10.1038/labinvest.2016.111	2016	Famke, Aeffner, Nathan T, Martin, Mirza, Peljto, Joshua C, Black, Justin K, Major, Maryam, Jangani, Michael O, Ports, Joseph S, Krueger, G David, Young	No
Ultrasound Triggered Tumor Oxygenation with Oxygen-Shuttle Nanoperfluorocarbon to Overcome Hypoxia: Associated Resistance in Cancer Therapies	Nano Letters	http://pubs.acs.org/doi/abs/10.1021/acs.nanolett.6b02365	2016	Xuejiao, Song, Langzhou, Feng, Chao, Liang, Kai, Yang, Zhuang, Liu	No
Lack of immunomodulation in murine pancreatic cancer reversed with neoptigen	JCI Insight	https://insight.jci.org/articles/view/88328	2016	Rebecca A., Evans, Mark S., Diamond, Andrew J., Rech, Timothy, Chao, Max W., Richardson, Jeffrey H., Lin, David L., Bajor, Katelyn T., Byrne, Ben Z., Stinger, James L., Riley, Nune, Markosyan, Rafael, Winograd, Robert H., Vonderheide	No
Ultrasound-guided therapeutic modulation of hepatocellular carcinoma using complementary microRNAs	Journal of Controlled Release	http://linkinghub.elsevier.com/retrieve/pii/S0168365916305065	2016	Sayan, Mullick Chowdhury, Tzu-Yin, Wang, Sunitha, Bachawal, Rammoohan, Devulapally, Jung Woo, Choe, Lotfi, Abou Elkacem, Butrus Khuri, Yakub, David S., Wang, Lu, Tian, Ramasamy, Paulmurugan, Jürgen K., Willmann	No
Photoacoustic Imaging in Oncology: Translational Preclinical and Early Clinical Experience	Radiology	http://pubs.rsna.org/doi/10.1148/radiol.16151414	2016	Keerthi S., Valluru, Katheryne E., Wilson, Jürgen K. Willmann	No
Molecular Photoacoustic Imaging of Follicular Thyroid Carcinoma	Clinical Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/23349314	2013	Jelena, Levi, Sri-Rajashakar, Kothapalli, Sarah, Bohndiek, J.-K., Yoon, Anca, Dragulescu-Andrasi, Carsten, Nielsen, Aleksandra, Tisma, Sunil, Bodapati, Gayatri, Gowrishankar, Xinrui, Yan, Carmel, Chan, Daniela, Starcevic, Sanjiv Sam, Gambhir	No
Tumor-Specific Formation of Enzyme-Instructioned Supramolecular Self-Assemblies as Cancer Theranostics	ACS Nano	https://pubs.acs.org/doi/10.1021/acsnano.5b03874	2015	Peng, Huang, Yuan, Gao, Jing, Lin, Hao, Hu, Hsien-Shun, Liao, Xuefeng, Yan, Yuxia, Tang, Albert, Jin, Jibin, Song, Gang, Niu, Guofeng, Zhang, Ferenc, Horkay, Xiaoyuan, Chen	No
Phototheranostic Porphyrin Nanoparticles Enable Visualization and Targeted Treatment of Head and Neck Cancer in Clinically Relevant Models	Theranostics	http://www.thno.org/v05p1428.htm	2015	Nidal, Muhanna, Cheng S, Jin, Elizabeth, Huynh, Harley, Chan, Yi, Qiu, Wenlei, Jiang, Liyang, Cui, Laura, Burgess, Margaret K, Akens, Juan, Chen, Jonathan C, Irish, Gang, Zheng	No
Photoacoustic monitoring of tumor and normal tissue response to radiation	Scientific Reports	http://www.nature.com/articles/srep21237	2016	Laurie J., Rich, Mukund, Seshadri	No
Real-Time Assessment of Tissue Hypoxia In Vivo with Combined Photoacoustics and High-Frequency Ultrasound	Theranostics	http://www.thno.org/v04p0604	2014	Marco, Gerling, Ying, Zhao, Salvatore, Nania, K Jessica, Norberg, Caroline S, Verbeke, Benjamin, Englert, Raoul V, Kuiper, Asa, Bergström, Moustapha, Hassan, Albrecht, Neesse, J Matthias, Lohr, Rainer L., Heuchel	No
Monitoring Prostate Tumor Growth in an Orthotopic Mouse Model Using Three-Dimensional Ultrasound Imaging Technique	Translational Oncology	http://linkinghub.elsevier.com/retrieve/pii/S1936523115300073	2016	Jie, Ni, Paul, Cozzi, Tzong-Tyng, Hung, Jingli, Hao, Peter, Graham, Yong, Li	No
Multifunctional Fe3O4 @ Au core/shell nanostars: a unique platform for multimode imaging and photothermal therapy of tumors	Scientific Reports	http://www.nature.com/articles/srep28325	2016	Yong, Hu, Ruizhi, Wang, Shipeng, Wang, Ling, Ding, Jingchao, Li, Yu, Luo, Xiaolin, Wang, Mingwu, Shen, Xiangyang, Shi	No
Non-invasive Monitoring of Ultrasound-Stimulated Microbubble Radiation Enhancement Using Photoacoustic Imaging	TCRT Express	http://www.ncbi.nlm.nih.gov/pubmed/2400993	2013	Briggs	No
Comparison of Photoacoustically Derived Hemoglobin and Oxygenation Measurements with Contrast-Enhanced Ultrasound Estimated Vascularity and Immunohistochemical Staining in a Breast Cancer Model	Ultrasonic Imaging	http://www.ncbi.nlm.nih.gov/pubmed/24652195	2015	John R, Eisenbrey, Daniel A, Merton, Andrew, Marshall, J.-B., Liu, Traci B, Fox, Anush, Sridharan, Flemming, Forsberg	No
Multiparametric Spectroscopic Photoacoustic Imaging of Breast Cancer Development in a Transgenic Mouse Model	Theranostics	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=4173758&tool=pmcentr...	2014	Katheryne E. Wilson, Sunitha V, Bachawal, Lu, Tian, Jürgen K, Willmann	No
Ultrasound-guided photoacoustic imaging for the selective detection of EGFR-expressing breast cancer and lymph node metastases	Biomedical Optics Express	https://www.osapublishing.org/abstract.cfm?URI=boe-7-5-1920	2016	Meihua, Zhang, Hoe Suk, Kim, Tiefeng, Jin, Ann, Yi, Woo Kyung, Moon	No
Multifunctional Albumin-MnO₂ Nanoparticles Modulate Solid Tumor Microenvironment by Attenuating Hypoxia, Acidosis, Vascular Endothelial Growth Factor and Enhance Radiation Response	ACS Nano	http://www.ncbi.nlm.nih.gov/pubmed/24702320	2014	Preethy, Prasad, Claudia R, Gordijo, Azhar Z, Abbasi, Azusa, Maeda, Angela, Ip, Andrew Michael, Rauth, Ralph S, DaCosta, Xiao Yu, Wu	No
Stable I-aggregation enabled dual photoacoustic and fluorescence nanoparticles for intraoperative cancer imaging	Nanoscale	http://pubs.rsc.org/en/Content/ArticleLanding/2015/NR/C5NR08165C	2016	Mojdeh, Shakiba, Kenneth K, Ng, Elizabeth, Huynh, Harley, Chan, Danielle M, Charron, Juan, Chen, Nidal, Muhanna, F, Stuart, Foster, Brian C, Wilson, Gang, Zheng	No
Prediction of Tumor Recurrence and Therapy Monitoring Using Ultrasound-Guided Photoacoustic Imaging	Theranostics	http://www.ncbi.nlm.nih.gov/pubmed/25553116	2015	Srivalleesha, Mallidi, Kohe, Watanabe, Dmitriy, Timmerman, David, Schoenfeld, Tayaaba, Hasan	No
Preclinical efficacy of bevacizumab with CRX101, an investigational nanoparticle-drug conjugate, in treatment of metastatic triple-negative breast cancer	Cancer Research	http://cancerres.aacrjournals.org/cgi/doi/10.1158/0008-5472.CAN-15-3435	2016	E., Pham, M., Yin, C. G., Peters, C. R., Lee, D., Brown, P., Xu, S., Man, L., Jayaraman, E., Rohde, A., Chow, D., Lazarus, S., Eliasof, F. S., Foster, R. S., Kerbel	No
Monitoring the Growth of an Orthotopic Tumor Xenograft Model: Multi-Modal Imaging Assessment with Benciltop MRI (1T), High-Field MRI (9.4T), Ultrasound and Bioluminescence	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0156162	2016	Rajiv, Ramasawmy, S, Peter, Johnson, Thomas A., Roberts, Daniel J., Stuckey, Anna L., David, R. Barbara, Pedley, Mark F., Lythgoe, Bernard, Siow, Simon, Walker-Samuel	No

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Novel effects of simvastatin on uterine fibroid tumors: In vitro and patient-derived xenograft mouse model study	American Journal of Obstetrics and Gynecology	http://dx.doi.org/10.1016/j.ajog.2015.03.055	2015	Mostafa A., Borahay, Kathleen, Vincent, Massoud, Motamedi, Elena, Sbrana, Gokhan S., Kilic, Ayman, Al-Hendy, Darren, Boehning	No
Nanotherapy silencing the interleukin-8 gene produces regression of prostate cancer by inhibition of angiogenesis	Immunology	http://doi.wiley.com/10.1111/imm.12618	2016	Ravikumar, Aalikeel, Bindukumar, Nair, Chih-Kuang, Chen, Supriya D., Mahajan, Jessica L., Reynolds, Hanguang, Zhang, Haotian, Sun, Donald E., Sykes, Kallash C., Chadha, Steven G., Turowski, Katelyn D., Bothwell, Mukund, Seshadri, Chong, Cheng, Stanley A., Schwartz	No
Tumor priming using metronomic chemotherapy with neovasculature-targeted, Nanoparticulate paclitaxel	Biomaterials	http://www.embase.com/search/results?subaction=viewrecord&from=export&id=L61008...	2016	X, Luan, Y.-Y., Guan, J F, Lovell, M, Zhao, Q, Lu, Y.-R., Liu, H.-J., Liu, Y.-G., Gao, X, Dong, S.-C., Yang, L, Zheng, P, Sun, C, Fang, H.-Z., Chen	No
Transdermal drug targeting and functional imaging of tumor blood vessels in the mouse auricle	The FASEB Journal	http://www.fasebj.org/cgi/doi/10.1096/fj.15-279240	2016	H., Schroder, D., Komljenovic, M., Hecker, T., Korff	No
Ang-2/VEGF bispecific antibody reprograms macrophages and resident microglia to anti-tumor phenotype and prolongs glioblastoma survival	Proceedings of the National Academy of Sciences	http://www.pnas.org/lookup/doi/10.1073/pnas.1525360113	2016	Jonas, Kloepper, Lars, Riedemann, Zohreh, Amoozgar, Giorgio, Seano, Katharina, Susek, Veronica, Yu, Nisha, Dalvie, Robin L., Amelung, Meenal, Datta, Jonathan W., Song, Vasileios, Askyoyaklis, Jennie W., Taylor, Christine, Lu-Emerson, Ana, Batista, Nathaniel D., Kirkpatrick, Keehoon, Jung, Matija, Snuderi, Alona, Muzikansky, Kay G., Stubenrauch, Oliver, Krieter, Hiroaki, Wakimoto, Lei, Xu, Lance L., Munn, Dan G., Duda, Dai, Fukumura, Tracy T., Batchelor, Rakesh K., Jain	No
Combined Inhibition of Cyclin-Dependent Kinases (Dinacilil) and AKT (MK-2206) Blocks Pancreatic Tumor Growth and Metastases in Patient-Derived Xenograft Models	Mol. Cancer Ther.	http://mct.aacrjournals.org/cgi/doi/10.1158/1535-7163.MCT-15-0028	2015	C, Hu, T., Dadon, V., Chenna, S., Yabuuchi, R., Bannerji, R., Booher, P., Strack, N., Azad, B. D., Nelkin, A., Maitra	No
Tumor-Associated Hyaluronan Limits Efficacy of Monoclonal Antibody Therapy	Molecular Cancer Therapeutics	http://mct.aacrjournals.org/cgi/doi/10.1158/1535-7163.MCT-14-0580	2014	N. C., Singha, T., Nekoroski, C., Zhao, R., Symons, P., Jiang, G. I., Frost, Z., Huang, H. M., Shepard	No
Nutrition Modulation of Cardiotoxicity and Anticancer Efficacy Related to Doxorubicin Chemotherapy by Glutamine and -3 Polyunsaturated Fatty Acids	Journal of Parenteral and Enteral Nutrition	http://pen.sagepub.com/cgi/doi/10.1177/0148607115581838	2016	H, Xue, W., Ren, M., Denkinge, E., Schlotzer, P. E., Wischmeyer	No
Semaphorin 3D autocrine signaling mediates the metastatic role of annexin A2 in pancreatic cancer.	Science signaling	http://stke.sciencemag.org/content/8/388/ra77	2015	Kelly, Foley, Agnieszka A, Rucki, Qian, Xiao, Donger, Zhou, Ashley, Leubner, Guanglan, Mo, Jennifer, Kleponis, Annie A, Wu, Rajni, Sharma, Qingguang, Jiang, Robert A, Anders, Christine A, Iacobuzio-Donahue, Katherine A, Hajjar, Anirban, Maitra, Elizabeth M, Jaffee, Lei, Zheng	No
An orthotopic mouse model of laryngeal squamous cell carcinoma	The Annals of otology, rhinology, and laryngology		2015	Jacob T., Cohen, Ziv, Gil, Yoav, Binenbaum, Shorook, Na'ara, Moran, Amit	No
Targeted Inhibition of Phosphoinositide 3-Kinase/Mammalian Target of Rapamycin Sensitizes Pancreatic Cancer Cells to Doxorubicin without Exacerbating Cardiac Toxicity.	Molecular pharmacology	http://molpharm.aspetjournals.org/content/88/3/512.short	2015	David E. Durrant, Anindita, Das, Samya, Dyer, Seyedmehrad, Tavallai, Paul, Dent, Rakesh C, Kukreja	No
Cell type-specific abundance of 4EBP1 primes prostate cancer sensitivity or resistance to PI3K pathway inhibitors	Science Signaling	http://stke.sciencemag.org/content/8/403/ra116.abstract	2015	Andrew C, Hsieh, Hao G, Nguyen, Lexiaochuan, Wen, Merritt P, Edlind, Peter R, Carroll, Won, Kim, Davide, Ruggero	No
Mucin 1 is a potential therapeutic target in cutaneous T-cell lymphoma	Blood	http://www.bloodjournal.org/cgi/doi/10.1182/blood-2015-02-628149	2015	Salvia, Jain, Dina, Stroopinsky, Li, Yin, Jacalyn, Rosenblatt, Maroof, Alam, Parul, Bhargava, Rachael A, Clark, Thomas S, Kupper, Kristen, Palmer, Maxwell D, Colli, Hasan, Rajabi, Athalia, Pyzer, M., Bar-Natan, Katarina, Luptakova, Jon, Armoson, Robin, Joyce, Donald, Kufe, David, Avigan	No
Prostaglandin E synthase is upregulated by Gas6 during cancer-induced venous thrombosis.	Blood	http://www.ncbi.nlm.nih.gov/pubmed/26585956	2015	Meghedi N, Aghourian, Catherine a, Lemarié, Francois-René, Bertin, Mark D, Blostein	No
Photodynamic Therapy Synergizes with Irinotecan to Overcome Compensatory Mechanisms and Improve Treatment Outcomes in Pancreatic Cancer	Cancer Research	http://cancerres.aacrjournals.org/cgi/doi/10.1158/0008-5472.CAN-15-0391	2016	H.-C., Huang, S., Mallidi, J., Liu, C.-T., Chiang, Z., Mai, R., Goldschmidt, N., Ebrahim-Zadeh, I., Rizvi, T., Hasan	No
Squamous Cell Carcinoma Xenografts: Use of VEGFR2-targeted Microbubbles for Combined Functional and Molecular US to Monitor Antiangiogenic Therapy Effects	Radiology	http://www.embase.com/search/results?subaction=viewrecord&from=export&id=L60799...	2016	Sarah C, Baetke, Anne, Rix, Francine, Tranquart, Richard, Schneider, Twan, Lammers, Fabian, Kiessling, Wiltrud, Lederle	No
Breast Cancer Detection by B7-H3-Targeted Ultrasound Molecular Imaging	Cancer Research	http://cancerres.aacrjournals.org/cgi/doi/10.1158/0008-5472.CAN-14-3361	2015	S. V., Bachawal, K. C., Jensen, K. E., Wilson, L., Tian, A. M., Lutz, J. K., Willmann	No
Preclinical Pharmacologic Evaluation of Pralatrexate and Romidepsin Confirms Potent Synergy of the Combination in a Murine Model of Human T-cell Lymphoma	Clinical Cancer Research		2015	Salvia, Jain, Xavier, Jirau-Serrano, Kelly M, Zullo, Luigi, Scatto, Carmine F, Palermo, Stephen a, Sastra, Kenneth P, Olive, Serge, Cremers, Tiffany, Thomas, Ying, Wei	No
CHARACTERIZATION OF THYROID CANCER IN MOUSE MODELS USING HIGH-FREQUENCY QUANTITATIVE ULTRASOUND TECHNIQUES	Ultrasound in Med. & Biol		2013	Roberto, Lavarello, William, Ridgway, Sandhya, Sarwate, M. L., Oelze	No
Imaging of thyroid tumor angiogenesis with microbubbles targeted to vascular endothelial growth factor receptor type 2 in mice	BMC Med Imaging	http://www.ncbi.nlm.nih.gov/pubmed/24028408nhttp://www.biomedcentral.com/conte...	2013	M, Mancini, a, Greco, G, Salvatore, R, Liuzzi, G, Di Maro, E, Vergara, G, Chiappetta, R, Pasquinelli, a, Brunetti, M, Salvatore	No
p53 constrains progression to anaplastic thyroid carcinoma in a Braf-mutant mouse model of papillary thyroid cancer	Proceedings of the National Academy of Sciences	http://www.pnas.org/cgi/doi/10.1073/pnas.1404357111	2014	D. G., McFadden, A, Vernon, P. M, Santiago, R., Martinez-McFaline, A., Bhatkar, D. M., Crowley, M., McMahon, P. M., Sadow, T., Jacks	No
Quantitative volumetric imaging of normal, neoplastic and hyperplastic mouse prostate using ultrasound	BMC Urology	http://www.biomedcentral.com/1471-2490/15/97	2015	Shalini, Singh, Chunliu, Pan, Ronald, Wood, Chiuann-Ren, Yeh, Shuyuan, Yeh, Kai, Sha, John J., Krolewski, Kent L., Nastiuk	No
Multimodal imaging guided preclinical trials of vascular targeting in prostate cancer	Oncotarget	http://www.impactjournals.com/oncotarget/index.php?journal=oncotarget&page=arti...	2015	James, Kalmuk, Margaret, Folaron, Julian, Buchinger, Roberto, Pili, Mukund, Seshadri	No
Safety and Chemopreventive Effect of Polyphenon E in Preventing Early and Metastatic Progression of Prostate Cancer in TRAMP Mice.	Cancer prevention research (Philadelphia, Pa.)	http://www.ncbi.nlm.nih.gov/pubmed/24501325	2014	Seung Joon, Kim, Ernest, Amankwah, Shahnajayla, Connors, Hyun Y, Park, Maria, Rincon, Heather, Cornelli, Ganna, Chomokur, Arig Ibrahim, Hashim, Junsung, Choi, Ya-Yu, Tsai, Robert W, Engelman, Nagi, Kumar, Jong Y, Park	No
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A Cre-conditional MYCN-driven neuroblastoma mouse model as an improved tool for preclinical studies	Oncogene	http://www.nature.com/doi/10.1038/nc.2014.269	2015	K, Althoff, a, Beckers, E, Bell, M, Nortmeyer, T, Thor, A, Sprüssel, S, Lindner, K, De Preter, A, Florin, L C, Heukamp, L, Klein-Hitpass, K, Astrahantseff, C, Kumps, F, Speleman, A, Eggert, F, Westermann, A, Schramm, J H, Schulte	No
A comparison between detectors of high frequency oscillations	Clinical Neurophysiology	http://linkinghub.elsevier.com/retrieve/pii/S1388245711004263	2012	R, Zelman, F, Mari, J, Jacobs, M, Zijlman, F, Dubeau, J, Gotman	No
Induction of T-cell Immunity Overcomes Complete Resistance to PD-1 and CTLA-4 Blockade and Improves Survival in Pancreatic Carcinoma	Cancer Immunology Research	http://cancerimmunolres.aacrjournals.org/cgi/doi/10.1158/2326-6066.CIR-14-0215	2015	R., Winograd, K. T., Byrne, R. a., Evans, P. M., Odrizzi, a. R. L., Meyer, D. L., Bajor, C., Clendenin, B. Z., Stanger, E. E., Furth, E. J., Wherry, R. H., Vonderheide	No
Use of ultrasound biomicroscopy to evaluate induced ovarian follicular growth and ovulation in mice.	Laboratory animals	http://www.ncbi.nlm.nih.gov/pubmed/21903700	2011	Paulo H a, Campos-Junior, Cristina a, Silva, Joao G V, Grazia, Milena B P, Soares, Ricardo R, Santos, Joao H M, Viana	No
High-resolution ultrasound biomicroscopy for monitoring ovarian structures in mice	Reproductive Biology and Endocrinology	http://rbej.biomedcentral.com/articles/10.1186/1477-7827-7-69	2009	Rajesh S, Jaiswal, Jaswant, Singh, Gregg P, Adams	No
Pathogenesis of Renal Injury in the Megabladder Mouse: A Genetic Model of Congenital Obstructive Nephropathy	Pediatric Research	http://www.nature.com/doi/10.1203/PDR.0b013e318f82f15	2010	Susan E, Ingraham, Monalee, Saha, Ashley R, Carpenter, Melissa, Robinson, Ihab, Ismail, Sunita, Singh, David, Hains, Michael L, Robinson, Daniel a, Hirsell, Stephen a, Koff, Carlton M, Bates, Kirk M, McHugh	No

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Impaired Coronary and Renal Vascular Function in Spontaneously Type 2 Diabetic Lepin-Deficient Mice	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0130648	2015	Helena U., Westergren, Julia, Grönros, Suvi E., Heironen, Tasso, Millotus, Karin, Jennbacken, Alan, Sabirsh, Anette, Ericsson, Ann-Cathrine, Jönsson-Rylander, Sara, Svedlund, Li-Ming, Gan	No
Cytosolic Phospholipase A 2 α Is Essential for Renal Dysfunction and End-Organ Damage Associated With Angiotensin II-Induced Hypertension	American Journal of Hypertension	http://ajh.oxfordjournals.org/doi/10.1093/ajh/hpv083	2016	Nayaab S., Khan, Chi Young, Song, Shyamala, Thirunavukkarasu, Xiao R., Fang, Joseph V., Bonventre, Kafait U., Malik	No
Effect of Sodium-Glucose Cotransport Inhibition on Polycystic Kidney Disease Progression in PCK Rats	PLOS ONE	http://dx.plos.org/10.1371/journal.pone.0125603	2015	Sarika, Kapoor, Daniel, Rodriguez, Meliana, Riwanto, Ilka, Edenhofer, Stephan, Segeher, Katharyn, Mitchell, Rudolf P., Wüthrich	No
Dependence of Wilms tumor cells on signaling through insulin-like growth factor 1 in an orthotopic xenograft model targeted by specific receptor inhibition	Proceedings of the National Academy of Sciences	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3356645&tool=pmcentr...	2012	Aleksandra, Bielen, Gary, Box, Lara, Perryman, Lynn, Bjerke, Sergey, Popov, Yann, Jamin, Alexa, Jury, Melanie, Valenti, Alexis De Haven, Brandon, Vanessa, Martins, Vincent, Romanet, Sebastian, Jeay, Florence I, Raynaud, Francesco, Hofmann, Simon P, Robinson, Suzanne a, Eccles, Chris, Jones	No
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Struvite Urolithiasis and Chronic Urinary Tract Infection in a Murine Model of Urinary Diversion	Urology	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3916187&tool=pmcentr...	2013	Brian, Becknell, Ashley R, Carpenter, Brad, Bolon, John R, Asplin, Susan E, Ingraham, David S, Hains, Andrew L, Schwaderer, Kirk M, McHugh	No
Targeting cancer stem-like cells as an approach to defeating cellular heterogeneity in Ewing sarcoma.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/25261238	2014	Sandrine, Cornaz-Buros, Nicolo, Riggi, Claudio, DeVito, Alexandre, Saare, Iglo, Lottovanc, Paolo, Provero, Ivan, Stamenkovic	No
Collecting Duct-Derived Cells Display Mesenchymal Stem Cell Properties and Retain Selective In Vitro and In Vivo Epithelial Capacity.	Journal of the American Society of Nephrology : JASN	http://www.ncbi.nlm.nih.gov/pubmed/24904087	2015	Joan, Li, Usukhbayar, Ariunbold, Nourseha, Suhaimi, Nana, Sunn, Jinjin, Guo, Jill a, McMahon, Andrew P, McMahon, Melissa, Little	No
Routes of Delivery for CpG and Anti-CD137 for the Treatment of Orthotopic Kidney Tumors in Mice	PLoS one		2014	Jennifer a, Westwood, Titaina C U Potdevin, Hunnam, Hollie J, Pegram, Rodney J, Hicks, Phillip K, Darcy, Michael H, Kershaw	No
Erythropoietin accelerates the regeneration of ureteral function in a murine model of obstructive uropathy.	The Journal of urology	http://www.sciencedirect.com/science/article/pii/S0022534714043651	2015	Claudia, Janssen, Wolfgang, Jäger, Igor, Moskalev, Ladan, Fazli, Joachim W, Thüroff, Dirk, Lange	No
In Vivo High-Frequency, Contrast-Enhanced Ultrasonography of Uveal Melanoma in Mice: Imaging Features and Histopathologic Correlations	Investigative Ophthalmology & Visual Science	http://iovs.arvojournals.org/article.aspx?doi=10.1167/iovs.10-6794	2011	Qing, Zhang, Hua, Yang, Shin J., Kang, Yanggan, Wang, Geoffrey D., Wang, Tonya, Coulthard, Hans E., Grossniklaus	No
Innate immune responses to Pseudomonas aeruginosa infection	Microbes and Infection	http://linkinghub.elsevier.com/retrieve/pii/S1286457911001985	2011	Elise G., Lavoie, Tamding, Wangdi, Barbara I., Kazmierczak	No
Earlier detection of breast cancer with ultrasound molecular imaging in a transgenic mouse model.	Cancer research	http://eutils.ncbi.nlm.nih.gov/entrez/eutils/elink.fcgi?dbfrom=pubmed&id=233285...	2013	Sunitha V, Bachawal, Kristin C, Jensen, Amelie M, Lutz, Sanjiv S, Gambhir, Francois, Tranquart, Lu, Tian, Jürgen K, Willmann	No
Comparison of mouse mammary gland imaging techniques and applications: Reflectance confocal microscopy, GFP imaging, and ultrasound	BMC Cancer	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2266934&tool=pmcentr...	2008	Maddalena T, Tili, Angela R, Parrish, Ion, Cotarla, Laundette P, Jones, Michael D, Johnson, Priscilla a, Furth	No
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High-Fat, High-Calorie Diet Enhances Mammary Carcinogenesis and Local Inflammation in MMTV-PyMT Mouse Model of Breast Cancer	Cancers	http://www.mdpi.com/2072-6694/7/3/0828/	2015	Sarah, Cowen, Sarah, McLaughlin, Gerald, Hobbs, James, Coad, Karen, Martin, I., Ofert, Linda, Vona-Davis	No
Melanoma brain metastasis is independent of lactate dehydrogenase A expression.	Neuro-oncology	http://www.ncbi.nlm.nih.gov/pubmed/25791837	2015	Terje, Sundström, Heidi, Espedal, Patrick N, Harter, Kristine Eldevik, Fasmer, Kai Ove, Skafnesmo, Sindre, Horn, Erlend, Hodneland, Michel, Mittelbronn, Benjamin, Weide, Rudi, Beschner, Benjamin, Bender, Cecilie Brekke, Rygh, Morten, Lund-Johansen, Rolf, Bjerkvig, Frits, Thorsen	No
Urine Stasis Predisposes to Urinary Tract Infection by an Opportunistic Uropathogen in the Megabladder (Mab) Mouse	Plos One	http://dx.plos.org/10.1371/journal.pone.0139077	2015	Brian, Becknell, Ahmad Z., Mohamed, Birong, Li, Michael E., Wilhide, Susan E., Ingraham	No
Quantitative Ultrasound Comparison of MAT and 4T1 Mammary Tumors in Mice and Rats Across Multiple Imaging Systems	Journal of Ultrasound in Medicine	http://www.jultrasoundmed.org/cgi/doi/10.7863/ultra.34.8.1373	2015	L. a., Wirtzfeld, G., Ghoshal, I. M., Rosado-Mendez, K., Nam, Y., Park, a. D., Pawlicki, R. J., Miller, D. G., Simpson, J. a., Zagzebski, M. L., Oelze, T. J., Hall, W. D., O'Brien	No
Losartan treatment attenuates tumor-induced myocardial dysfunction	Journal of Molecular and Cellular Cardiology	http://linkinghub.elsevier.com/retrieve/pii/S0022282815001558	2015	Sarah C.W., Stevens, Markus, Velten, Dane J., Youtz, Yvonne, Clark, Runfeng, Jing, Peter J., Reiser, Sabahattin, Bicer, Raymond D., Devine, Donna O., McCarthy, Loren E., Wold	No
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Quantitative correlational study of microbubble-enhanced ultrasound imaging and magnetic resonance imaging of glioma and early response to radiotherapy in a rat model	Medical Physics	http://scitation.aip.org/content/aip/journal/medphys/42/8/10.1118/1.4926550	2015	Chen, Yang, Dong-Hoon, Lee, Antonella, Mangraviti, Lin, Su, Kai, Zhang, Yin, Zhang, Bin, Zhang, Wenxiao, Li, Betty, Tyler, John, Wong, Ken Kang-Hsin, Wang, Esteban, Velarde, Jinyuan, Zhou, Kai, Ding	No
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Dual-targeted Contrast Agent for US Assessment of Tumor Angiogenesis in Vivo	Radiology	http://pubs.rsna.org/doi/10.1148/radiol.2483072231	2008	Jürgen K, Willmann, Amelie M, Lutz, Ramasamy, Paulmurugan, Manishkumar R., Patel, Pauline, Chu, Jarrett, Rosenberg, Sanjiv S, Gambhir	No
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Volumetric and Angiogenic Evaluation of Antitumor Effects with Acoustic Liposome and High-Frequency Ultrasound	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/21983036	2011	Tetsuya, Kodama, Noriko, Tomita, Yoko, Yagishita, Sachiko, Horie, Kenichi, Funamoto, Toshiyuki, Hayase, Maya, Sakamoto, Shiro, Mori	No
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Correlation of quantified contrast-enhanced sonography with in vivo tumor response.	Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine	http://www.ncbi.nlm.nih.gov/pubmed/20375378	2010	Misun, Hwang, Ghazal, Hariri, Andrej, Lyschik, Dennis E, Hallahan, Arthur C, Fleischer	No
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An orally bioavailable small-molecule inhibitor of Hedgehog signaling inhibits tumor initiation and metastasis in pancreatic cancer.	Molecular cancer therapeutics	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2605523&tool=pmcentr...	2008	Georg, Feldmann, Volker, Fendrich, Karen, McGovern, Djahida, Bedja, Savita, Bisht, Hector, Alvarez, Jan-Bart M, Koorstra, Nils, Habbe, Collins, Karikari, Michael, Mullendore, Kathleen L, Gabrielson, Rajni, Sharma, William, Matsui, Anirban, Maltra	No
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High-resolution imaging diagnosis and staging of bladder cancer: comparison between optical coherence tomography and high-frequency ultrasound.	Journal of biomedical optics	http://www.ncbi.nlm.nih.gov/pubmed/19021387	2014	Zhijia, Yuan, Zhenguo, Wang, Rubin, Pan, Jingxuan, Liu, Harris, Cohen, Yingting, Pan	No
Monitoring transplanted islets by high-frequency ultrasound	Islets	http://www.ncbi.nlm.nih.gov/pubmed/21795859	2011	Naoaki, Sakata, Tetsuya, Kodama, Rui, Chen, Gumpel, Yoshimatsu, Masafumi, Goto, Shinichi, Egawa, Michiaki, Unno	No
Mutationally Activated BRAFV600E Elicits Papillary Thyroid Cancer in the Adult Mouse	Cancer Research	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3107361&tool=pmcentr...	2011	R.-P., Charles, Gioia, Iezza, Elena, Amendola, David, Dankort, Martin, McMahon	No
Morphological Ultrasound Microimaging of Thyroid in Living Mice	Endocrinology	http://www.ncbi.nlm.nih.gov/pubmed/19589864	2009	Marcello, Mancini, Emilia, Vergara, Giuliana, Salvatore, Adelaide, Greco, Giancarlo, Troncone, Andrea, Affuso, Raffaele, Luzzi, Paolo, Salerno, Maria, Scotto di Santolo, Massimo, Santoro, Arturo, Brunetti, Marco, Salvatore	No
Zebrafish as a Cancer Model	Molecular Cancer Research	http://mcr.aacrjournals.org/cgi/doi/10.1158/1541-7786.MCR-07-2167	2008	Harna, Feitsma, Edwin, Cuppen	No
Development of an orthotopic human pancreatic cancer xenograft model using ultrasound guided injection of cells.	PLoS one	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3103544&tool=pmcentr...	2011	Amanda Shanks, Huynh, Dominique F, Abrahams, Monica S, Torres, Margaret K, Baldwin, Robert J, Gillies, David L, Morse	No
Inhibition of Hedgehog Signaling Enhances Delivery of Chemotherapy in a Mouse Model of Pancreatic Cancer	Science	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2998180&tool=pmcentr...	2009	Kenneth P. Olive, Michael a, Jacobetz, Christian J, Davidson, Aarthi, Gopinathan, Dominick, McIntyre, Davina, Honess, Basetti, Madhu, Mae a, Goldgraben, Meredith E, Caldwell, David, Allard, Kristopher K, Frese, G., DeNicola, Christine, Feig, Chelsea, Combs, Stephen P, Winter, Heather, Ireland-Zecchini, Stefanie, Reichelt, William J, Howat, Alex, Chang, Mousumi, Dhara, Lifu, Wang, F., Ruckert, R., Grutzmann, Christian, Pilarsky, Kanel, Izeradjene, Sunil R, Hingorani, Pearl, Huang, Susan E, Davies, William, Plunkett, Merrill, Egorin, Ralph H, Hruban, Nigel, Whitebread, Karen, McGovern, Julian, Adams, Christine, Iacobuzio-Donahue, John, Griffiths, David a, Tuveson	No
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Inhibition of Tumor Growth Progression by Antiandrogens and mTOR Inhibitor in a Pten-Deficient Mouse Model of Prostate Cancer	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/19738074	2009	Weisheng, Zhang, Joe, Zhu, Clay L, Efferson, Chris, Ware, Jennifer, Tammam, Minilik, Angagaw, Jason, Laskey, Kimberly a, Bettano, Shailaja, Kasibhatla, John F, Reilly, Cyrille, Sur, Pradip K, Majumder	No
Mast Cell Targeting Hampers Prostate Adenocarcinoma Development but Promotes the Occurrence of Highly Malignant Neuroendocrine Cancers	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/21896641	2011	Paola, Pittoni, Claudio, Tripodo, Silvia, Picconese, Giorgio, Mauri, Mariella, Parenza, Alice, Rigoni, Sabina, Sangaletti, Mario P, Colombo	No
The use of three-dimensional ultrasound micro-imaging to monitor prostate tumor development in a transgenic prostate cancer mouse model.	The Tohoku journal of experimental medicine	http://www.ncbi.nlm.nih.gov/pubmed/16210828	2005	Guojun, Wu, Ligu, Wang, Lei, Yu, He, Wang, Jim Wu, Xuan	No
Establishment of a serum tumor marker for preclinical trials of mouse prostate cancer models.	Clinical cancer research : an official journal of the American Association for Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/16278416	2005	Isaac Van, Huizen, Guojun, Wu, Madeleine, Moussa, Joseph L, Chin, Aaron, Fenster, James C, Laceyfield, Hideki, Sakai, Norman M, Greenberg, Jim W, Xuan	No
Effects of a synthetic PEG-ylated Tie-2 agonist peptide on endotoxemic lung injury and mortality.	American journal of physiology. Lung cellular and molecular physiology	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3170286&tool=pmcentr...	2011	Yu-Qing, Zhou, Su-Ning, Zhu, F Stuart, Foster, Myron I, Cybulsky, R Mark, Henkelman, Narges K, Tafreshi, Marilyn M, Bui, Kellsey, Bishop, Mark C, Lloyd, Steven a, Enkemann, Alexis S, Lopez, Dominique, Abrahams, Bradford W, Carter, Josef, Vagner, Stephen R, Grobmyer, Stephen R, Gobmyer, Robert J, Gillies, David L, Morse, Fúlvia D, Marques, Anderson J, Ferreira, Rubén D M, Sinisterra, Bruno a, Jacoby, Frederico B, Sousa, Marcelo V, Caliani, Gerluzia a B, Silva, Marcos B, Melo, Ana P, Nodu, Leandro E, Souza, Maria C C, Frigoyen, Alvaír P, Almeida, Robson a S, Santos, Xi, Wang, Madhavi, Bathina, John, Lynch, Brian, Koss, Christopher, Calabrese, Sharon, Frase, John D, Schuetz, Jerold E, Rehg, Joseph T, Opferman, James, Mehi, Marc, Lukacs, Desmond, Hirson, Chris, White, Chris, Chaggares, Andrew, Needles, Andreas, Biana, Sven, Kaese, Lisa, Fortmüller, Sandra, Laakmann, Dierk, Damke, Kelly, van Bragt, Jens, Eckstein, Ilaria, Piccini, Uwe, Kirchhefer, Stanley, Nattel, Günter, Breithardt, Peter, Carmeliet, Edward, Carmeliet, Ulrich, Schotten, Sander, Verheule, Paulus, Kirchhof, Larissa, Fabritz, Sascha, David, Chandra C, Ghosh, Philipp, Kumpers, Nelli, Shushakova, Paul, Van Slyke, Elyahu V, Khankin, S Ananth, Karumanchi, Dan, Dumont, Samir M, Parikh, Atta, Behfar, Satsuki, Yamada, Ruben, Crespo-Diaz, Jonathan J, Nesbitt, Lois a, Rowe, Carmen, Perez-Terzic, Vinciane, Gausson, Christian, Homys, Jozef, Bartunek, Andre, Terzic, Daniela, Carnevale, Giuseppe, Cifelli, Giada, Masco, Michele, Madonna, Mauro, Sbroglio, Cinzia, Perrino, Maria Grazia, Persico, Giacomo, Frati, Giuseppe, Lembo, Mattia, Quattrocchi, Stefania, Crippa, Celeste, Montecchiani, Jordi, Camps, Antonia Icaro, Cornaglia, Luisa, Boldrin, Jennifer, Morgan, Alberto, Calligaro, Andrea, Casasco, Aldo, Orisacchio, Rik, Gijssbers, Jan, D'Hooge, Jaan, Toelen, Stefan, Janssens, Maurilio, Sampaolési, Risto, Kerkelá, Sara, Karsikas, Zoltan, Szabo, Ralsa, Serpi, Johanna, Magga, Erhe, Gao, Kari, Alitalo, Andrey, Anisimov, Raija, Sormunen, Ilkka, Pietilä, Laura, Vainio, Walter J, Koch, Kari I, Kivirikko, Johanna, Myllyharju, Peppi, Koivunen, Hedi, Razzavi, Shahrzad Y, Zarefshar, Hirofumi, Sawada, Charles a, Taylor, Jeffrey a, Feinstein, Jordan D, Miller, Robert M, Weiss, Donald D, Heistad, Kelly Van, Bragt, Hadas, Bar-Joseph, Irit, Ben-Aharon, Moran, Tzabari, Galia, Tsarfaty, Salomon M, Stemmer, Ruth, Shalgi	No
Potential Role of Coregistered Photoacoustic and Ultrasound Imaging in Ovarian Cancer Detection and Characterization	Translational Oncology	http://linkinghub.elsevier.com/retrieve/pii/S1936523311800100	2011	Andres, Aguirre, Yasaman, Ardeshipour, Mary M., Sanders, Molly, Brewer, Qing, Zhu	No

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Investigation and identification of etiologies involved in the development of acquired hydronephrosis in aged laboratory mice with the use of high-frequency ultrasound imaging	Pathobiology of Aging & Age-related Diseases	http://www.pathobiologyofaging.net/index.php/pba/article/view/24932	2014	Danielle A, Springer, Michele, Allen, Victoria, Hoffman, Lauren, Brinster, Matthew F, Starost, Mark, Bryant, Michael, Eckhaus	No
Oral infusion of pomegranate fruit extract inhibits prostate carcinogenesis in the TRAMP model.	Carcinogenesis	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3291862&tool=pmcentr...	2012	Vaqaq Mustafa, Adhams, Imtiaz Ahmad, Siddiqui, Deeba N, Syed, Rahul Kumar, Lall, Hasan, Mukhtar	No
Functional neoangiogenesis imaging of genetically engineered mouse prostate cancer using three-dimensional power Doppler ultrasound.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/17363606	2007	Jim W, Xuan, Michael, Bygrave, Hongyi, Jiang, Fatma, Valsiyya, Joy, Dunmore-Buysse, David W, Holdsworth, Jonathan I, Izawa, Glenn, Norman, Madeleine, Moussa, Scott F, Winter, Norman M, Greenberg, Joseph L, Chin, Maria, Drangova, Aaron, Fenster, James C, Laceyfield	No
Phosphatidylserine-Targeting Antibody Induces M1 Macrophage Polarization and Promotes Myeloid-Derived Suppressor Cell Differentiation	Cancer Immunology Research	http://cancerimmunolres.aacrjournals.org/cgi/doi/10.1158/2326-6066.CCR-13-0073	2013	Y., Yin, X., Huang, K. D., Lynn, P. E., Thorpe	No
Preclinical Models for Neuroblastoma: Establishing a Baseline for Treatment	PLOS ONE	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3084749&tool=pmcentr...	2011	Tal, Teitz, Jennifer J, Stanke, Sara, Federico, Cori L, Bradley, Rachel, Brennan, Jakun, Zhang, Melissa D, Johnson, Jan, Sedacic, Madoka, Inoue, Ziwel M, Zhang, Sharon, Frase, Jerold E, Reh, Claudia M, Hillenbrand, David, Finkelstein, Christopher, Calabrese, Michael A, Dyer, Jill M, Lahti	No
Magnitude of enhanced permeability and retention effect in tumors with different phenotypes: 89Zr-albumin as a model system.	Journal of nuclear medicine : official publication, Society of Nuclear Medicine	http://www.ncbi.nlm.nih.gov/pubmed/21421727	2011	Carola, Heneweuer, Jason P, Holland, Vadim, Divilov, Sean, Carlin, Jason S, Lewis	No
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Correlation between 2- and 3- dimensional assessment of Tumor Volume and Vascular Density by Ultrasonography in a Transgenic mouse model of Mammary carcinoma	J Ultrasound Med	http://www.ncbi.nlm.nih.gov/pubmed/20375377	2010	Lei, Zhao, Yutian, Zhan, J, Lynn, Rutkowski	No
A method for assessing the microvasculature in a murine tumor model using contrast-enhanced ultrasonography.	Journal of ultrasound in medicine : official journal of the American Institute of Ultrasound in Medicine	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2649799&tool=pmcentr...	2008	Mary E, Loveless, Xia, Li, Jessica, Huamani, Andrej, Lyschik, Benoit, Dawant, Dennis, Hallahan, John C, Gore, Thomas E, Yankeelov	No
Angiopoietin-2 functions as a Tie2 agonist in tumor models, where it limits the effects of VEGF inhibition.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/23149917	2013	Christopher, Daly, Alexandra, Eichten, Carla, Castanaro, Elizabeth, Pasnikowski, Alexander, Adler, Alshad S, Lalani, Nicholas, Papadopoulos, Alastair H, Kyle, Andrew I, Minchinton, George D, Yancopoulos, Gavin, Thurston	No
Low-dose metronomic oral dosing of a prodrug of gemcitabine (LY2334737) causes antitumor effects in the absence of inhibition of systemic vasculogenesis.	Molecular cancer therapeutics	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3409688&tool=pmcentr...	2012	Giulio, Francia, Yuval, Shaked, Kae, Hashimoto, John, Sun, Melissa, Yin, Carolyn, Cesta, Ping, Xu, Shan, Man, Christina, Hackl, Julie, Stewart, Mark, Uhlirk, Anne H, Dantzig, F Stuart, Foster, Robert S, Kerbel	No
The Vascular Disrupting Agent STA-9584 Exhibits Potent Antitumor Activity by Selectively Targeting Microvasculature at Both the Center and Periphery of Tumors	Journal of Pharmacology and Experimental Therapeutics	http://www.ncbi.nlm.nih.gov/pubmed/22837008	2012	Kevin P, Foley, Dan, Zhou, Chris, Borella, Yaming, Wu, M., Zhang, Jun, Jiang, Hao, Li, Jim, Sang, Tim, Korbut, Josephine, Ye, Xuemei, Zhang, James, Barsoum, Andrew J, Sonderfan	No
Ultrasound-guided intra-tumor injection of combined immunotherapy cures mice from orthotopic prostate cancer	Cancer Immunology, Immunotherapy	http://www.ncbi.nlm.nih.gov/pubmed/24136641	2013	Giorgio, Mauri, Claudia, Chiodoni, Mariella, Parenza, Ivano, Arioli, Claudio, Tripodo, Mario Paolo, Colombo	No
Tumor Microenvironment Regulates Metastasis and Metastasis Genes of Mouse MMTV-PyMT Mammary Cancer Cells In Vivo	Veterinary Pathology	http://www.ncbi.nlm.nih.gov/pubmed/24091811	2014	J L, Werbeck, N K, Thudi, C K, Martin, C, Premanandan, L, Yu, M C, Ostrowski, T J, Rosol	No
Enhanced Sonographic Imaging to Diagnose Lymph Node Metastasis: Importance of Blood Vessel Volume and Density	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/23333937	2013	Li, Li, Shiro, Mori, M., Kodama, Maya, Sakamoto, Shoki, Takahashi, Tetsuya, Kodama	No
Selective Permeabilization of the Blood-Brain Barrier at Sites of Metastasis	JNCI Journal of the National Cancer Institute	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3818170&tool=pmcentr...	2013	John J, Connell, Grégoire, Chatain, Bart, Cornelissen, Katherine A, Vallis, Alastair, Hamilton, Len, Seymour, Daniel C, Anthony, Nicola R, Samlton	No
Improved detection of regional melanoma metastasis using 18F-6-fluoro-N-[2-(diethylamino)ethyl] pyridine-2-carboxamide, a melanin-specific PET probe, by perilesional administration.	Journal of nuclear medicine : official publication, Society of Nuclear Medicine	http://www.ncbi.nlm.nih.gov/pubmed/21149487	2011	Delphine, Denoyer, Titaina, Potdevin, Peter, Roselt, Oliver C, Neels, Laura, Kirby, Ivan, Gregucir, Andrew, Katsifis, Donna S, Dorow, Rodney J, Hicks	No
Targeted anti-vascular endothelial growth factor receptor-2 therapy leads to short-term and long-term impairment of vascular function and increase in tumor hypoxia.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/16585189	2006	Marcela, Franco, Shan, Man, Limor, Chen, Urban, Emmenegger, Yuval, Shaked, Alison M, Cheung, Allison S, Brown, Daniel J, Hicklin, F Stuart, Foster, Robert S, Kerbel	No
Vascular Normalization by Loss of Siah2 Results in Increased Chemotherapeutic Efficacy	Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/22354750	2012	Christina S F, Wong, Jaclyn, Sceneay, Colin M, House, Heloise M, Halse, Mira C P, Liu, Joshy, George, Titaina C U, Potdevin, Hunnann, Belinda S, Parker, Izahk, Haviv, Ze'ev, Ronai, Carleen, Cullinane, David D, Bowtell, A., Moller	No
A perspective on vascular disrupting agents that interact with tubulin: preclinical tumor imaging and biological assessment.	Integrative biology : quantitative biosciences from nano to macro	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3071431&tool=pmcentr...	2011	Ralph P, Mason, Dawnen, Zhao, Li, Liu, Mary Lynn, Trawick, Kevin G, Pinney	No
Proangiogenic factor PlGF programs CD11b(+) myelomonocytes in breast cancer during differentiation of their hematopoietic progenitors.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/21507936	2011	Julien, Laurent, Eveline, Faes-van't, Hull, Cedric, Touvrey, François, Kuonen, Oiang, Lan, Girleca, Lorusso, Marie-Agnès, Doucey, Laura, Ciaroni, Natsuko, Imaizumi, Gian Carlo, Alghisi, Ernesta, Fagiani, Khalil, Zaman, Roger, Stupp, Masabumi, Shibuya, Jean-François, Delaloye, Gerhard, Christofori, Curzio, Ruegg	No
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Fes Tyrosine Kinase Expression in the Tumor Niche Correlates with Enhanced Tumor Growth, Angiogenesis, Circulating Tumor Cells, Metastasis, and Infiltrating Macrophages	Cancer Research	http://cancerres.aacrjournals.org/cgi/doi/10.1158/0008-5472.CAN-10-3757	2011	Shengnan, Zhang, Violeta, Chitu, E Richard, Stanley, B. E., Elliott, P. A., Greer	No
Modulation of the tumor microvasculature by phosphoinositide-3 kinase inhibition increases doxorubicin delivery in vivo.	Clinical cancer research : an official journal of the American Association for Cancer Research	http://www.ncbi.nlm.nih.gov/pubmed/22065081	2012	Naseer, Qayum, Jaehong, Im, Michael R, Stratford, Eric J, Bernhard, W Gillies, McKenna, Ruth J, Muschel	No
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Sunitinib and PF-562,271 (FAK/Pyk2 inhibitor) effectively block growth and recovery of human hepatocellular carcinoma in a rat xenograft model.	Cancer biology & therapy	http://www.ncbi.nlm.nih.gov/pubmed/19458500	2009	Cedo M, Bagi, James, Christensen, Darrel P, Cohen, Walter G, Roberts, Dean, Wilkie, Terri, Swanson, Theresa, Tutthill, Catharine J, Andresen	No
Real-time monitoring of rare circulating hepatocellular carcinoma cells in an orthotopic model by in vivo flow cytometry assesses resection on metastasis.	Cancer research	http://www.ncbi.nlm.nih.gov/pubmed/22454286	2012	Zhi-Chao, Fan, Jun, Yan, Guang-Da, Liu, Xiao-Ying, Tan, Xiao-Fu, Weng, Wei-Zhong, Wu, Jian, Zhou, Xun-Bin, Wei	No
Transgenic expression of Angiopoietin 1 in the liver leads to changes in lymphatic and blood vessel architecture.	Biochemical and biophysical research communications	http://www.ncbi.nlm.nih.gov/pubmed/16730659	2006	Alexandra L, Haninec, Daniel, Voskas, Andrew, Needles, Allison S, Brown, F Stuart, Foster, Daniel J, Dumont	No
Complementarity of ultrasound and fluorescence imaging in an orthotopic mouse model of pancreatic cancer	BMC Cancer	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=2679761&tool=pmcentr...	2009	Cynthia S, Snyder, Sharmeela, Kaushal, Yuko, Kono, Hop S, Tran Cao, Robert M, Hoffman, Michael, Bouvet	No

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TRA-8 anti-DR5 monoclonal antibody and gemcitabine induce apoptosis and inhibit radiologically validated orthotopic pancreatic tumor growth.	Molecular cancer therapeutics	http://www.ncbi.nlm.nih.gov/pubmed/18089714	2007	Leo Christopher, Derosier, Selwyn M, Vickers, Kurt R, Zinn, Zhi, Huang, Wenquan, Wang, William E, Grizzle, Jeffrey, Sellers, Cecil R, Stockard, Tong, Zhou, Patsy G, Oliver, Pablo, Arnoletti, Albert F, Lobuglio, Donald J, Buchsbaum	No
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A Polymeric Nanoparticle Encapsulated Small-Molecule Inhibitor of Hedgehog Signaling (NanoHHL) Bypasses Secondary Mutational Resistance to Smoothened Antagonists	Molecular Cancer Therapeutics	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3256300&tool=pmcentr...	2012	Venugopal, Chenna, Chaixin, Hu, Dipankar, Pramank, Blake T, Afrab, Collins, Karikari, Nathaniel R, Campbell, S.-M., Hong, Ming, Zhao, Michelle a, Rudek, Saeed R, Khan, Charles M, Rudin, Anirban, Maitra	No
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Monitoring antivascular therapy in head and neck cancer xenografts using contrast-enhanced MR and US imaging.	Angiogenesis	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3702176&tool=pmcentr...	2011	Mukund, Seshadri, Nuno T, Sacadura, Tonya, Coulthard	No
Therapy-induced acute recruitment of circulating endothelial progenitor cells to tumors.	Science (New York, N.Y.)	http://www.ncbi.nlm.nih.gov/pubmed/16990548	2006	Yuval, Shaked, Alessia, Ciarrocchi, Marcela, Franco, Christina R, Lee, Shan, Man, Alison M, Cheung, Daniel J, Hicklin, David, Chaplin, F Stuart, Foster, Robert, Benezra, Robert S, Kerbel, Cells, Tumors	No
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Nanosecond pulsed electric fields cause melanomas to self-destruct.	Biochemical and biophysical research communications	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=1513546&tool=pmcentr...	2006	Richard, Nuccitelli, Uwe, Pliquet, Xinhua, Chen, Wentia, Ford, R, James Swanson, Stephen J, Beebe, Juergen F, Kolb, Karl H, Schoenbach	No
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Gamma secretase inhibition promotes hypoxic necrosis in mouse pancreatic ductal adenocarcinoma.	The Journal of experimental medicine	http://www.pubmedcentral.nih.gov/articlerender.fcgi?artid=3302221&tool=pmcentr...	2012	Natalie, Cook, Kristopher K, Frese, Tashinga E, Bapiro, Michael a, Jacobetz, Aarthi, Gopinathan, Jodi L, Miller, Sudhir S, Rao, Tim, Demuth, William J, Howat, Duncan I, Jodrell, David a, Tuveson	No
Ovarian Volume Measurements in Mice with high resolution ultrasonography	J Ultrasound Med 2007;	http://www.ncbi.nlm.nih.gov/pubmed/17901144	2007	PhD, Andrej Lyschchik, MD, PhD, Stephen B. Hobbs, Arthur C. Fleischer, MD, Dinesh Khabele, MD, Deok-Soo Son, DVM, PhD, John C. Gore, PhD, Ronald R. Price	No
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