

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Photoacoustic Imaging of Muscle Tissue Oxygenation as a Noninvasive Biomarker in Mouse Models of Sickle Cell Disease</a>	Molecular Imaging and Biology		2026	Jeffrey, Morin, Megan, Brophy, John, Stansfield, Debra, Pittman, Dinesh, Hirenallur-Shanthappa	Yes
<a href="#">Dual-modal photoacoustic and ultrasound imaging for early diagnosis of ovarian torsion and evaluation of long-term tissue hypoxia</a>	Scientific Reports		2025	Luting, Zhang, Fan, Meng, Xiaohui, Zu, Li, Luo, Wen, Ling, Youchun, Cai, Suzhen, Dai, Bingbing, Zhai, Guorong, Lyu, Qiumei, Wu	Yes
<a href="#">Tumbling Magnetic Microrobots for Targeted In Vivo Drug Delivery in the GI Tract</a>	Advanced Robotics Research		2025	Aaron C., Davis, Luis Carlos Sanjuan, Acosta, Shubh P., Mehta, Baiyan, Qi, Yang, Yang, Luis, Solorio, Craig J., Goergen, David J., Cappelleri	Yes
<a href="#">Ultrasound and Microbubble-Induced Reduction of Functional Vasculature Depends on the Microbubble, Tumor Type and Time After Treatment</a>	Ultrasound in Medicine and Biology		2025	Sofie, Snipstad, Caroline, Einen, Andrea Berge, Kastellet, Jessica Lage, Fernandez, Melina, Mühlenpfordt, Anna, Kurbatskaya, Charlotte, Årseth, Sigrid, Berg, Astrid, Bjørkøy, Catharina de Lange, Davies	Yes
<a href="#">Left atrial reservoir strain as a predictor of cardiac dysfunction in a murine model of pressure overload</a>	Acta Physiologica		2025	John P., Salvas, Thomas, Moore-Morris, Craig J., Goergen, Pierre, Sicard	Yes
<a href="#">Heterogeneous tumor blood oxygenation dynamics during phototherapy deciphered with real-time label-free photoacoustic imaging</a>	npj Acoustics		2025	Andrew, Langley, Allison, Sweeney, Ronak T., Shethia, Brooke, Bednarke, Faizah, Wulandana, Marvin, Xaviersevan, Srivalleesha, Mallidi	Yes
<a href="#">In-ovo echocardiography for application in cardiovascular research</a>	Basic Research in Cardiology		2023	Niklas, Hegemann, Willem, Bintig, Paul Lennard, Perret, Judith, Rees, Alessandra, Viperino, Britta, Eickholt, Wolfgang M., Kuebler, Michael, Höpfner, Bianca, Nitzsche, Jana, Grune	Yes
<a href="#">3D doppler ultrasound imaging of cerebral blood flow for assessment of neonatal hypoxic-ischemic brain injury in mice</a>	PLoS ONE		2023	Guofang, Shen, Kayla, Sanchez, Shirley, Hu, Zhen, Zhao, Lubo, Zhang, Qingyi, Ma	Yes
<a href="#">Carbon dots-mediated synthesis of gold nanodendrites with extended absorption into NIR-II window for in vivo photothermal therapy</a>	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
<a href="#">Visual inertial odometry enabled 3D ultrasound and photoacoustic imaging</a>	Biomedical Optics Express	<a href="https://opg.optica.org/abstract.cfm?URI=boe-14-6-2756">https://opg.optica.org/abstract.cfm?URI=boe-14-6-2756</a>	2023	Deeksha M., Sankepalle, Brian, Anthony, Srivalleesha, Mallidi	Yes
<a href="#">Functional photoacoustic imaging for placental monitoring: A mini review</a>	IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control.		2023	Vinoi Devpaul, Vincely, Carolyn L., Bayer	Yes
<a href="#">Combination Therapy with a Bispecific Antibody Targeting the hERG1/β1 Integrin Complex and Gemcitabine in Pancreatic Ductal Adenocarcinoma.</a>	Cancers	<a href="http://www.ncbi.nlm.nih.gov/pubmed/37046674">http://www.ncbi.nlm.nih.gov/pubmed/37046674</a>	2023	Tiziano, Lottini, Claudia, Duranti, Jessica, Iorio, Michele, Martinelli, Rossella, Colasurdo, Franco Nicolás, D'Alessandro, Matteo, Buonamici, Stefano, Coppola, Valentina, Devescovi, Vincenzo, La Vaccara, Alessandro, Coppola, Roberto, Coppola, Elena, Lastraioli, Annarosa, Arcangeli	Yes
<a href="#">Imaging Techniques for Aortic Aneurysms and Dissections in Mice: Comparisons of Ex Vivo, In Situ, and Ultrasound Approaches</a>	Biomolecules		2022	Sohei, Ito, Hong S., Lu, Alan, Daugherty, Hisashi, Sawada	Yes
<a href="#">Assessment of Transarterial Chemoembolization Using Super-resolution Ultrasound Imaging and a Rat Model of Hepatocellular Carcinoma</a>	Ultrasound in Medicine & Biology	<a href="https://doi.org/10.1016/j.ultrasmedbio.2023.01.021">https://doi.org/10.1016/j.ultrasmedbio.2023.01.021</a>	2023	Katherine G. Brown, Junjie, Li, Ryan, Margolis, Brian, Trinh, John R, Eisenbrey, Kenneth, Hoyt	Yes
<a href="#">Comparative assessment of coronary physiology using transthoracic pulsed-wave Doppler and myocardial contrast echocardiography in rats</a>	European radiology experimental		2023	Sebastian, Billig, Marc, Hein, Mare, Mechelink, David, Schumacher, Anna B., Roehl, Dieter, Fuchs, Rafael, Kramann, Moritz, Uhlig	Yes

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<a href="#">P2Y12 Inhibition in Murine Myocarditis Results in Reduced Platelet Infiltration and Preserved Ejection Fraction</a>	Cells	<a href="https://www.mdpi.com/2073-4409/10/12/3414">https://www.mdpi.com/2073-4409/10/12/3414</a>	2021	Sarah, Schmidt, Wilfried, Reichardt, Beat, Kaufmann, Carolin, Wadle, Dominik, von Elverfeldt, Peter, Stachon, Ingo, Hilgendorf, Dennis, Wolf, Timo, Heidt, Daniel, Duerschmied, Karlheinz, Peter, Christoph, Bode, Constantin, von zur Mühlen, Alexander, Maier	Yes
<a href="#">Right Heart Failure in Mice Upon Pressure Overload Is Promoted by Mitochondrial Oxidative Stress</a>	JACC: Basic to Translational Science	<a href="https://www.sciencedirect.com/science/article/pii/S2452302X22000754">https://www.sciencedirect.com/science/article/pii/S2452302X22000754</a>	2022	Marion, Muller, Cornelius, Bischof, Torben, Kapries, Sophie, Wollnitz, Chiara, Liechty, Simon, Beiben, Torben, Schubert, Dragan, Opacic, Muhammad, Gercek, Vera, Fortmeier, Daniel, Dumitrescu, Uwe, Scholmann, Akyibek, Sydykov, Aleksandar, Petrovic, Leoni, Gnatzy-Feik, Hendrik, Milting, Ralph T., Schermuly, Kai, Friedrichs, Volker, Rudolph, Anna, Klinke	Yes
<a href="#">Early diagnosis of bladder cancer by photoacoustic imaging of tumor-targeted gold nanorods</a>	Photoacoustics	<a href="https://www.sciencedirect.com/science/article/pii/S2213597922000659?via%3Dihub">https://www.sciencedirect.com/science/article/pii/S2213597922000659?via%3Dihub</a>	2022	Elisa, Alchera, Matteo, Monieri, Mirko, Maturi, Irene, Locatelli, Erica, Locatelli, Silvia, Tortorella, Angelina, Sacci, Angelo, Corti, Manuela, Nebuloni, Roberta, Luciano, Filippo, Pedersoli, Francesco, Montorsi, Andrea, Salonia, Sandra, Meyer, Jithin, Jose, Pierangela, Giustetto, Mauro Comes, Franchina, Flavio, Curnis, Massimo, Alfano	Yes
<a href="#">Quantification of murine myocardial infarct size using 2-D and 4-D high-frequency ultrasound</a>	American Journal of Physiology-Heart and Circulatory Physiology	<a href="https://journals.physiology.org/doi/10.1152/ajpheart.00476.2021">https://journals.physiology.org/doi/10.1152/ajpheart.00476.2021</a>	2022	Melissa M., Dann, Sydney Q., Clark, Natasha A., Trzaskalski, Conner C., Earl, Luke E., Schepers, Serena M., Pulente, Ebonee N., Lennord, Karthik, Annamalai, Joseph M., Gruber, Abigail D., Cox, Ilka, Lorenzen-Schmidt, Richard, Seymour, Kyoung-Han, Kim, Craig J., Goergen, Erin E., Mulvihill	Yes
<a href="#">Improving characterization of hypertrophy-induced murine cardiac dysfunction using four-dimensional ultrasound derived strain mapping</a>	American Journal of Physiology-Heart and Circulatory Physiology	<a href="https://journals.physiology.org/doi/10.1152/ajpheart.00133.2021">https://journals.physiology.org/doi/10.1152/ajpheart.00133.2021</a>	2021	Frederick W., Damen, John P., Salvas, Andrea S., Pereyra, Jessica M., Ellis, Craig J., Goergen	Yes
<a href="#">Fast super-resolution ultrasound microvessel imaging using spatiotemporal data with deep fully convolutional neural network</a>	Physics in Medicine and Biology		2021	U. Wai, Lok, Chengwu, Huang, Ping, Gong, Shanshan, Tang, Lulu, Yang, Wei, Zhang, Yohan, Kim, Panagiotis, Korfiatis, Daniel J., Blezek, Fabrice, Lucien, Rongqin, Zheng, Joshua D., Trzasko, Shigao, Chen	Yes
<a href="#">Machine learning driven contouring of high-frequency four-dimensional cardiac ultrasound data</a>	Applied Sciences (Switzerland)		2021	Frederick W., Damen, David T., Newton, Guang, Lin, Craig J., Goergen	Yes
<a href="#">Morphological, functional, and molecular assessment of breast cancer bone metastases by experimental ultrasound techniques compared with magnetic resonance imaging and histological analysis</a>	Bone	<a href="https://www.sciencedirect.com/science/article/pii/S8756328220306098?via%3Dihub#...">https://www.sciencedirect.com/science/article/pii/S8756328220306098?via%3Dihub#...</a>	2021	Henrik, Heinen, Lisa, Seyler, Vanessa, Popp, Konstantin, Helliwig, Aline, Bozec, Michael, Uder, Stephan, Ellmann, Tobias, Bäuerle	Yes
<a href="#">A Novel Noninvasive Method for Quantitative Detection of Colonic Dysmotility Using Real-Time Ultrasonography</a>	Digestion		2020	Kazuhiisa, Kishi, Noriyuki, Kaji, Yoshiharu, Tsuru, Masatoshi, Hori	Yes

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<a href="#">Cysteine depletion induces pancreatic tumor ferroptosis in mice</a>	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, Tal, Hirschhorn, Candice, Lamb, Tong, Liu, Wei, Gu, E., Scott Seeley, Everett, Stone, George, Georgiou, Uri, Manor, Alina, Iuga, Geoffrey M., Wahl, Brent R., Stockwell, Costas A., Lyssiotis, Kenneth P., Olive	Yes
<a href="#">Uncoupling DNA damage from chromatin damage to detoxify doxorubicin</a>	Proceedings of the National Academy of Sciences	<a href="https://pnas.org/doi/full/10.1073/pnas.1922072117">https://pnas.org/doi/full/10.1073/pnas.1922072117</a>	2020	Xiaohang, Qiao, Sabina Y., van der Zanden, Dennis P. A., Wander, Daniel M., Borràs, Ji-Ying, Song, Xiaoyang, Li, Suzanne, van Duikerer, Noortje, van Gils, Arjo, Rutten, Tessa, van Herwaarden, Olaf, van Tellingen, Elisa, Giacomelli, Milena, Bellin, Valeria, Orlova, Leon G. J., Tertoolen, Sophie, Gerhardt, Jimmy J., Akkermans, Jeroen M., Bakker, Charlotte L., Zuur, Baoxu, Pang, Anke M., Smits, Christine L., Mummery, Linda, Smit, Ramon, Arens, Junmin, Li, Hermen S., Overkleeft, Jacques, Neefjes	Yes
<a href="#">Quantification of Murine Pancreatic Tumors by High-Resolution Ultrasound</a>	Methods in Molecular Biology	<a href="http://link.springer.com/10.1007/978-1-62703-287-2">http://link.springer.com/10.1007/978-1-62703-287-2</a>	2013	Stephen A., Sastra, Kenneth P., Olive	Yes
<a href="#">Toward standardization of echocardiography for the evaluation of left ventricular function in adult rodents: a position paper of the ESC Working Group on Myocardial Function</a>	Cardiovascular Research	<a href="https://academic.oup.com/cvadvances/advance-article/doi/10.1093/cvr/cvaa110/...">https://academic.oup.com/cvadvances/advance-article/doi/10.1093/cvr/cvaa110/...</a>	2020	Serena, Zacchigna, Alessia, Paldino, Inês, Falcão-Pires, Evangelos P, Daskalopoulos, Matteo, Dal Ferro, Simone, Vodret, Pierluigi, Lesizza, Antonio, Cannata, Daniela, Miranda-Silva, André P, Lourenço, Bruno, Pinamonti, Gianfranco, Sinagra, Florian, Weinberger, Thomas, Eschenhagen, Lucie, Carrier, Izhak, Kehat, Carlo G, Tocchetti, Michele, Russo, Alessandra, Ghigo, James, Cimino, Emilio, Hirscho, Dana, Dawson, Michele, Ciccarelli, Marco, Olivetti, Wolfgang A, Linke, Ilona, Cuijpers, Stephane, Heymans, Nazha, Hamdani, Martine, de Boer, Dirk, Duncker, Diederik, Kuster, Jolanda, van der Velden, Christophe, Beauloye, Luc, Bertrand, Manuel, Mayr, Mauro, Giacca, Florian, Leuschner, Johannes, Backs, Thomas, Thum	Yes
<a href="#">EXPRESS: Echocardiographic markers of pulmonary hemodynamics and right ventricular hypertrophy in rat models of pulmonary hypertension</a>	Pulmonary Circulation	<a href="http://journals.sagepub.com/doi/10.1177/2045894020910976">http://journals.sagepub.com/doi/10.1177/2045894020910976</a>	2020	Fotios, Spyropoulos, Sally H, Vitali, Marlin, Touma, Chase D., Rose, Carter R., Petty, Philip, Levy, Stella, Kourembanas, Helen, Christou	Yes
<a href="#">Improving the quality of preclinical research echocardiography: observations, training, and guidelines for measurement</a>	American Journal of Physiology-Heart and Circulatory Physiology	<a href="https://www.physiology.org/doi/10.1152/ajpheart.00157.2018">https://www.physiology.org/doi/10.1152/ajpheart.00157.2018</a>	2018	Daniel G., Donner, Helen, Kiriazis, Xiao-Jun, Du, Thomas H., Marwick, Julie R., McMullen	Yes
<a href="#">World Trade Center: Cardiorespiratory and Vascular Dysfunction: Assessing the Phenotype and Metabolome of a Murine Particulate Matter Exposure Model</a>	Scientific Reports	<a href="http://dx.doi.org/10.1038/s41598-020-58717-w">http://dx.doi.org/10.1038/s41598-020-58717-w</a>	2020	Arul, Veerappan, Assad, Oskuei, George, Crowley, Mena, Mikhail, Dean, Ostrofsky, Zakia, Gironada, Sandhya, Vaidyanathan, Youssef Zaim, Wadghiri, Mengling, Liu, Sophia, Kwon, Anna, Nolan	Yes

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<a href="#">Commercial 4-dimensional echocardiography for murine heart volumetric evaluation after myocardial infarction</a>	Cardiovascular Ultrasound	<a href="https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-020-...">https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-020-...</a>	2020	Cody, Rutledge, George, Cater, Brenda, McMahon, Lanping, Guo, Seyed Mehdi, Nouriae, Yijun, Wu, Flordeliza, Villanueva, Brett A., Kaufman	Yes
<a href="#">Sex differences in the evolution of left ventricle remodeling in rats with severe volume overload</a>	BMC Cardiovascular Disorders	<a href="https://bmccardiovascdisord.biomedcentral.com/articles/10.1186/s12872-020-01360...">https://bmccardiovascdisord.biomedcentral.com/articles/10.1186/s12872-020-01360...</a>	2020	Elisabeth, Walsh-Wilkinson, Marie-Claude, Drolet, Marie, Arsenaault, Jacques, Couet	Yes
<a href="#">Three-dimensional myocardial strain correlates with murine left ventricular remodelling severity post-infarction</a>	Journal of The Royal Society Interface	<a href="https://royalsocietypublishing.org/doi/10.1098/rsif.2019.0570">https://royalsocietypublishing.org/doi/10.1098/rsif.2019.0570</a>	2019	Arvin H, Soepriatna, A Kevin, Yeh, Abigail D, Clifford, Semih E, Bezci, Grace D., O'Connell, Craig J, Goergen	Yes
<a href="#">Accuracy of Ultrasound-Guided versus Landmark-Guided Intra-articular Injection for Rat Knee Joints</a>	Ultrasound in Medicine & Biology	<a href="https://linkinghub.elsevier.com/retrieve/pii/S0301562919306684">https://linkinghub.elsevier.com/retrieve/pii/S0301562919306684</a>	2019	Amparo, Ruiz, Dalibel, Bravo, Alejandra, Duarte, Ronald S., Adler, José G., Raya	Yes
<a href="#">Strain Mapping From Four-Dimensional Ultrasound Reveals Complex Remodeling in Dissecting Murine Abdominal Aortic Aneurysms</a>	Journal of Biomechanical Engineering	<a href="http://biomechanical.asmedigitalcollection.asme.org/article.aspx?doi=10.1115/1...">http://biomechanical.asmedigitalcollection.asme.org/article.aspx?doi=10.1115/1...</a>	2019	Hannah L., Cebull, Arvin H., Soepriatna, John J., Boyle, Sean M., Rothenberger, Craig J., Goergen	Yes
<a href="#">Accurate assessment of LV function using the first automated 2D-border detection algorithm for small animals - evaluation and application to models of LV dysfunction</a>	Cardiovascular Ultrasound	<a href="https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-019-...">https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-019-...</a>	2019	Jana, Grune, Daniel, Ritter, Kristin, Kräker, Kathleen, Pappritz, Niklas, Beyhoff, Till, Schütte, Christiane, Ott, Cathleen, John, Sophie, van Linthout, Carsten, Tschope, Ralf, Dechend, Dominik N., Muller, Nadine, Haase, Tilman, Grune, Ulrich, Kintscher, Wolfgang M., Kuebler	Yes
<a href="#">Nitrosative stress drives heart failure with preserved ejection fraction</a>	Nature	<a href="http://www.nature.com/articles/s41586-019-1100-z">http://www.nature.com/articles/s41586-019-1100-z</a>	2019	Gabriele G., Schiattarella, Francisco, Altamirano, Dan, Tong, Kristin M., French, Elisa, Villalobos, Soo Young, Kim, Xiang, Luo, Nan, Jiang, Herman I., May, Zhao V., Wang, Theodore M., Hill, Pradeep P. A., Mammen, Jian, Huang, Dong I., Lee, Virginia S., Hahn, Kavita, Sharma, David A., Kass, Sergio, Lavandro, Thomas G., Gillette, Joseph A., Hill	Yes
<a href="#">EXPRESS: Echocardiographic Assessment of Right Ventricular Functions in Experimental Pulmonary Hypertension</a>	Pulmonary Circulation	<a href="http://journals.sagepub.com/doi/10.1177/2045894019841987">http://journals.sagepub.com/doi/10.1177/2045894019841987</a>	2019	Zhongkai, Zhu, Dureti, Godana, Ailing, Li, Bianca, Rodriguez, HAIYANG, TANG, Richard, Minshall, Wei, Huang, Jiwang, Chen	Yes
<a href="#">Strain mapping from 4D ultrasound reveals complex remodeling in dissecting murine abdominal aortic aneurysms.</a>	Journal of biomechanical engineering		2019	Hannah, Cebull, Arvin, Soepriatna, John, Boyle, Sean, Rothenberger, Craig, Goergen	Yes
<a href="#">Inactivation of platelet-derived TGF-β1 attenuates aortic stenosis progression in a robust murine model</a>	Blood Advances	<a href="http://www.bloodadvances.org/lookup/doi/10.1182/bloodadvances.2018025817">http://www.bloodadvances.org/lookup/doi/10.1182/bloodadvances.2018025817</a>	2019	Rohan, Varshney, Brennah, Murphy, Sean, Woolington, Shahrouz, Ghafory, Sixia, Chen, Tyler, Robison, Jasimuddin, Ahamed	Yes
<a href="#">Comparative determination of placental perfusion by magnetic resonance imaging and contrast-enhanced ultrasound in a murine model of intrauterine growth restriction</a>	Placenta	<a href="https://doi.org/10.1016/j.placenta.2018.07.009">https://doi.org/10.1016/j.placenta.2018.07.009</a>	2018	C.-J., Arthuis, V., Mendes, S., Mème, W., Mème, C., Rousselot, N., Winer, A., Novell, F., Perrotin	Yes
<a href="#">Erythropoietin and long-acting erythropoiesis stimulating agent ameliorate non-alcoholic fatty liver disease by increasing lipolysis and decreasing lipogenesis via EPOR/STAT pathway</a>	Biochemical and Biophysical Research Communications	<a href="https://doi.org/10.1016/j.bbrc.2018.12.131">https://doi.org/10.1016/j.bbrc.2018.12.131</a>	2019	Yusuke, Tsuma, Jun, Mori, Takeshi, Ota, Yasuhiro, Kawabe, Hidechika, Morimoto, Shota, Fukuhara, Kazuki, Kodo, Atsushi, Umamura, Hisakazu, Nakajima, Hajime, Hosoi	Yes
<a href="#">Lung ultrasound as a translational approach for non-invasive assessment of heart failure with reduced or preserved ejection fraction in mice</a>	Cardiovascular Research	<a href="http://academic.oup.com/cvres/article/113/10/1113/3797838/Lung-ultrasou...">http://academic.oup.com/cvres/article/113/10/1113/3797838/Lung-ultrasou...</a>	2017	María, Villalba-Orero, Marina M., López-Olañeta, Esther, González-López, Laura, Padrón-Barthe, Jesús M., Gómez-Saliner, Jaime, García-Prieto, Timothy, Wai, Pablo, García-Pavía, Borja, Ibáñez, Luis J., Jiménez-Borreguero, Enrique, Lara-Pezzi	Yes
<a href="#">Utilizing Contrast-Enhanced Ultrasound Imaging for Evaluating Fatty Liver Disease Progression in Pre-clinical Mouse Models</a>	Ultrasound in Medicine & Biology	<a href="https://linkinghub.elsevier.com/retrieve/pii/S0301562918304411">https://linkinghub.elsevier.com/retrieve/pii/S0301562918304411</a>	2018	Harshul, Pandit, Joseph P., Tinney, Yan, Li, Guozhen, Cui, Suping, Li, Bradley B., Kellar, Robert C.G., Martell	Yes

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<a href="#">Serological biomarkers associate ultrasound characteristics of steatohepatitis in mice with liver cancer</a>	Nutrition and Metabolism		2018	Guozhen, Cui, Robert C., Martin, Xingkai, Liu, Qianqian, Zheng, Harshul, Pandit, Ping, Zhang, Wei, Li, Yan, Li	Yes
<a href="#">Mechanosensing by <math>\beta</math>1 integrin induces angiocrine signals for liver growth and survival</a>	Nature	<a href="http://www.nature.com/articles/s41586-018-0522-3">http://www.nature.com/articles/s41586-018-0522-3</a>	2018	Linda, Lorenz, Jennifer, Axnick, Tobias, Buschmann, Carina, Henning, Sofia, Urner, Shentong, Fang, Harri, Nurmi, Nicole, Eichhorst, Richard, Holtmeier, Kálmán, Bódis, Jong-Hee, Hwang, Karsten, Müssig, Daniel, Eberhard, Jörg, Stypmann, Oliver, Kuss, Michael, Roden, Kari, Alitalo, Dieter, Häussinger, Eckhard, Lammert	Yes
<a href="#">Accurate and noise insensitive strain mapping enables ultrasound analysis of cardiac function in three dimensions</a>	Journal of Biomechanical Engineering	<a href="http://biomechanical.asmedigitalcollection.asme.org/article.aspx?doi=10.1115/1...">http://biomechanical.asmedigitalcollection.asme.org/article.aspx?doi=10.1115/1...</a>	2018	John, Boyle, Arvin, Soepriatna, Frederick, Damen, Roger, Rowe, Robert, Pless, Attila, Kovacs, Craig, Goergen, Stavros, Thomopoulos, Guy M., Genin	Yes
<a href="#">Experimental imaging in orthotopic renal cell carcinoma xenograft models: comparative evaluation of high-resolution 3D ultrasonography, in-vivo micro-CT and 9.4T MRI</a>	Scientific Reports		2017	Johannes, Linxweiler, Christina, Körbel, Andreas, Müller, Eva, Jüngel, Roman, Blaheta, Joana, Heintelmann, Michael, Stöckle, Kerstin, Junker, Michael D., Menger, Matthias, Saar	Yes
<a href="#">A minimally invasive approach to induce myocardial infarction in mice without thoracotomy</a>	Journal of Cellular and Molecular Medicine	<a href="http://doi.wiley.com/10.1111/jcmm.13708">http://doi.wiley.com/10.1111/jcmm.13708</a>	2018	Quan, Sun, Kang-Kai, Wang, Miao, Pan, Ji-Peng, Zhou, Xue-Ting, Qiu, Zhen-Yu, Wang, Zhen, Yang, Yan, Chen, Hong, Shen, Qi-Lin, Gu, Long-Hou, Fang, Guo-Gang, Zhang, Yong-Ping, Bai	Yes
<a href="#">4D cardiac magnetic resonance imaging, 4D and 2D transthoracic echocardiography: a comparison of in-vivo assessment of ventricular function in rats</a>	Laboratory Animals	<a href="http://journals.sagepub.com/doi/10.1177/0023677218789971">http://journals.sagepub.com/doi/10.1177/0023677218789971</a>	2018	Hedwig, Stegmann, Tobias, Bäuerle, Katharina, Kienle, Sven, Dittrich, Muhannad, Alkassar	Yes
<a href="#">Evaluation of a commercial multi-dimensional echocardiography technique for ventricular volumetry in small animals</a>	Cardiovascular Ultrasound	<a href="https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-018-...">https://cardiovascularultrasound.biomedcentral.com/articles/10.1186/s12947-018-...</a>	2018	Jana, Grune, Annelie, Blumrich, Sarah, Brix, Sarah, Jeuthe, Cathleen, Drescher, Tilman, Grune, Anna, Foryst-Ludwig, Daniel, Messroghli, Wolfgang M., Kuebler, Christiane, Ott, Ulrich, Kintscher	Yes
<a href="#">Inhibition of BK Ca negatively alters cardiovascular function</a>	Physiological Reports	<a href="http://doi.wiley.com/10.14814/phy2.13748">http://doi.wiley.com/10.14814/phy2.13748</a>	2018	Nishi H., Patel, Justin, Johannesen, Kajol, Shah, Sumanta K., Goswami, Neel J., Patel, Devasena, Ponnalagu, Andrew R., Kohut, Harpreet, Singh	Yes
<a href="#">Echocardiographic Strain Analysis for the Early Detection of Left Ventricular Systolic/Diastolic Dysfunction and Dyssynchrony in a Mouse Model of Physiological Aging</a>	The Journals of Gerontology: Series A	<a href="https://academic.oup.com/biomedgerontology/advance-article-abstract/doi/10.1093...">https://academic.oup.com/biomedgerontology/advance-article-abstract/doi/10.1093...</a>	2018	Claudio, de Lucia, Markus, Wallner, Deborah M, Eaton, Huaqing, Zhao, Steven R, Houser, Walter J, Koch	Yes
<a href="#">Oxidized phospholipids are proinflammatory and proatherogenic in hypercholesterolaemic mice</a>	Nature	<a href="http://www.nature.com/articles/s41586-018-0198-8">http://www.nature.com/articles/s41586-018-0198-8</a>	2018	Xuchu, Que, Ming-yow, Hung, Calvin, Yeang, Ayelet, Gonen, Thomas A, Prohaska, Xiaoli, Sun, Cody, Diehl, Antti, Määttä, Dalia E, Gaddis, Karen, Bowden, Jennifer, Pattison, Jeffrey G., MacDonald, Seppo, Ylä-Herttuala, Pamela L, Mellon, Catherine C, Hedrick, Klaus, Ley, Yury I, Miller, Christopher K, Glass, Kirk L, Peterson, Christoph J, Binder, Sotirios, Tsimikas, Joseph L, Witztum	Yes
<a href="#">Development and growth trends in angiotensin II-induced murine dissecting abdominal aortic aneurysms</a>	Physiological Reports		2018	A.R., Adelsperger, E.H., Phillips, H.S., Ibriga, B.A., Craig, L.A., Green, M.P., Murphy, C.J., Goergen	Yes
<a href="#">Echocardiographic Analysis of Cardiac Function After Infarction in Mice : Validation of Single-Plane Long-Axis View Measurements and the Bi-Plane Simpson Method</a>	Ultrasound in Medicine & Biology	<a href="https://doi.org/10.1016/j.ultrasmedbio.2018.03.020">https://doi.org/10.1016/j.ultrasmedbio.2018.03.020</a>	2018	Andre, Heinen, Annika, Raupach, Friederike, Behmenburg, Nina, Hölischer, Ulrich, Flögel, Malte, Kelm, Wolfgang, Kaisers, Rianne, Nederlof, Ragnar, Huhn, Axel, Gödecke	Yes

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Novel mouse model of left ventricular pressure overload and infarction causing predictable ventricular remodelling and progression to heart failure</a>	Clinical and Experimental Pharmacology and Physiology		2015	Carla J., Weinheimer, Ling, Lai, Daniel P., Kelly, Attila, Kovacs	Yes
<a href="#">GPR68 Senses Flow and Is Essential for Vascular Physiology</a>	Cell		2018	Jie, Xu, Jayanti, Mathur, Emilie, Vessières, Scott, Hammack, Keiko, Nonomura, Julie, Favre, Linda, Grimaud, Matt, Petrus, Allain, Francisco, Jingyuan, Li, Van, Lee, Fu li, Xiang, James K., Mainquist, Stuart M., Cahalan, Anthony P., Orth, John R., Walker, Shang, Ma, Viktor, Lukacs, Laura, Bordone, Michael, Bandell, Bryan, Laffitte, Yan, Xu, Shu, Chien, Daniel, Henrion, Ardem, Patapoutian	Yes
<a href="#">Placenta-specific drug delivery by trophoblast-targeted nanoparticles in mice</a>	Theranostics		2018	Baozhen, Zhang, Lunbo, Tan, Yan, Yu, Baobei, Wang, Zhilong, Chen, Jinyu, Han, Mengxia, Li	Yes
<a href="#">Electromechanical vortex filaments during cardiac fibrillation</a>	Nature	<a href="http://www.nature.com/doi/finder/10.1038/nature26001">http://www.nature.com/doi/finder/10.1038/nature26001</a>	2018	J., Christoph, M., Chebbok, C., Richter, J., Schröder-Schetelig, P., Bittihn, S., Stein, I., Uzelac, F. H., Fenton, G., Hasenfuß, R. F., Gilmour, S., Luther	Yes
<a href="#">Cardiac and respiratory-gated volumetric murine ultrasound</a>	The International Journal of Cardiovascular Imaging	<a href="http://dx.doi.org/10.1007/s10554-017-1283-z">http://dx.doi.org/10.1007/s10554-017-1283-z</a>	2017	Arvin H., Soepriatna, Frederick W., Damen, Pavlos P., Vlachos, Craig J., Goergen	Yes
<a href="#">High Resolution Ultrasonography for Assessment of Renal Cysts in the PCK Rat Model of Autosomal Recessive Polycystic Kidney Disease</a>	Kidney and Blood Pressure Research	<a href="http://www.karger.com/?doi=10.1159/000443420">http://www.karger.com/?doi=10.1159/000443420</a>	2016	Sarika, Kapoor, Daniel, Rodríguez, Katharyn, Mitchell, Rudolf P., Wüthrich	Yes
<a href="#">High-Frequency Ultrasound Imaging for Longitudinal Evaluation of Non-Alcoholic Fatty Liver Disease Progression in Mice</a>	Ultrasound in Medicine & Biology	<a href="http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3118979/pdf/nihms292852.pdf">http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3118979/pdf/nihms292852.pdf</a>	2011	Itziar, Fernández-Domínguez, J. Javier, Echevarria-Uraga, Nieves, Gómez, Zigmund, Luka, Conrad, Wagner, Shelly C., Lu, José M., Mato, Maria L., Martínez-Chantar, Juan, Rodríguez-Cuesta	Yes
<a href="#">Role of innate immunity and altered intestinal motility in LPS- and MnCl2-induced intestinal intussusception in mice.</a>	American journal of physiology. Gastrointestinal and liver physiology	<a href="http://www.ncbi.nlm.nih.gov/pubmed/24407593">http://www.ncbi.nlm.nih.gov/pubmed/24407593</a>	2014	Kristin E, Killoran, Amber D, Miller, Karen S, Uray, Norman W, Weisbrodt, Robia G, Pautler, Sanna M, Goyert, Nico, van Rooijen, Margaret E, Conner	Yes
<a href="#">Anti-VEGF therapy reduces intestinal inflammation in Endoglin heterozygous mice subjected to experimental colitis</a>	Angiogenesis	<a href="http://www.ncbi.nlm.nih.gov/pubmed/24510304">http://www.ncbi.nlm.nih.gov/pubmed/24510304</a>	2014	Daniela S, Ardelean, Melissa, Yin, Mirjana, Jerkic, Madonna, Peter, Bo, Ngan, Robert S, Kerbel, F Stuart, Foster, Michelle, Letarte	Yes
<a href="#">Lipoic acid-engineered nanodroplets for multimodal imaging and enhanced sonodynamic therapy in melanoma treatment</a>	Theranostics	<a href="https://www.thno.org/v16p5278.htm">https://www.thno.org/v16p5278.htm</a>	2026	Ziyao, Wang, Yongchao, Yao, Ziyun, Feng, Yulong, Liao, Liyun, Wang, Xueyang, Xiao, Wenchuang, Hu, Zhiyong, Qian, Li, Qiu	No
<a href="#">Efficient algorithm for optimal wavelength selection in photoacoustic spectral unmixing</a>	Biomedical Optics Express	<a href="https://opg.optica.org/abstract.cfm?URI=boe-17-5-2643">https://opg.optica.org/abstract.cfm?URI=boe-17-5-2643</a>	2026	Calvin, Smith, Andrew, Langley, Deeksha, Sankepalle, Srivalleesha, Mallidi, Brett E., Bouma, David, Veyssset	No
<a href="#">Parental obesity exacerbates cognitive dysfunction and cardiac vulnerability in offspring of an Alzheimer disease model</a>	American Journal of Physiology-Heart and Circulatory Physiology	<a href="https://journals.physiology.org/doi/10.1152/ajpheart.00047.2026">https://journals.physiology.org/doi/10.1152/ajpheart.00047.2026</a>	2026	Jussara M., do Carmo, John E., Hall, Emily, Ladnier, Xuemei, Dai, Zhen, Wang, Alan J., Mouton, Ana C. M., Omoto, Luciana, Jorge, Alexandre A., da Silva	No
<a href="#">Inactivation of AXL in Cardiac Fibroblasts Alleviates Right Ventricular Remodeling in Pulmonary Hypertension</a>	Advanced Science		2025	Li Wei, Wu, Min, Chen, Chen Yu, Jiang, Dai Ji, Jiang, Xu, Zhang, Xiao He, Xu, Yi Wei, Liu, Bei, Feng, Lin Cai, Ye, Yang Yang, He, Xu, Huang, Yi Chi, Zhang, Xing Liang, Zhou, Yi, Shen, Tian Yu, Liu, Li Jun, Fu, Yi, Yan, Hao, Zhang	No

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<a href="#">Ultrasoft hydrogel immune millirobot with multimodal locomotion</a>	Sci. Adv	<a href="https://www.science.org">https://www.science.org</a>	2025	Zhiqiang, Zheng, Sinan Ozgun, Demir, Anping, Wu, Shihao, Zhong, Zhengyuan, Xin, Chunxu, Yuan, Huaping, Wang, Metin, Sitti, Yu, Sun, Lixin, Dong	No
<a href="#">Stent treatment improves cerebral microcirculatory disorder and blood-brain barrier function in internal carotid artery stenosis via intercellular adhesion molecule 1 modulation</a>	Journal of Cell Communication and Signaling		2025	Kuo, Li, Chuansuo, Zhang, Li xuan, Wang, Xiaoxuan, Wang, Ruyue, Wang	No
<a href="#">Refining the Guinea Pig (Cavia porcellus) Cryo-Injury Model for Cardiac Regeneration and Functional Characterization</a>	Journal of the American Association for Laboratory Animal Science		2026	Marie E., Nehring, Constantin, von Bibra, Birgit, Geertz, Gesa, Roessler, Yoram, Etzion, Liesa, Castro, Or, Levi, Shira, Burg, Bernhard, Hiebl, Thomas, Eschenhagen, Florian, Weinberger	No
<a href="#">Pharmacological Enhancement of Integrated Stress Response Confers Protection in Calcific Aortic Valve Disease</a>	JACC: Basic to Translational Science		2026	Libo, Wang, Xulei, Duan, Huibing, Liu, Fei, Lin, Chaoyuan, Zhou, Katrin, Schröder, Ajay M., Shah, Guoan, Zhao, Min, Zhang	No
<a href="#">A bypass gateway from cholesterol to sex steroid biosynthesis circumnavigates CYP17A1</a>	Nature Communications		2025	Ziqi, Zhu, Yoon Mi, Chung, Mohammad, Alyamani, Yijing, Dai, Kevin D., McCarty, Evan, Roberts, Sunita, Sinha, Jianneng, Li, Xiuxiu, Li, Emad M., Gad, Zhiqun, Zhou, Jinyuan, Shi, Robert A., Burgess, Tatiana Y., Hargrove, Galina I., Lepesheva, F. Peter, Guengerich, Richard J., Auchus, Nima, Sharifi	No
<a href="#">Implantable Microdevices for In Vivo Assessment of Chemotherapy Response in Patient Derived Organoid Orthotopic Pancreatic Cancer Models</a>	Annals of Surgery	<a href="https://journals.lww.com/10.1097/SLA.0000000000007071">https://journals.lww.com/10.1097/SLA.0000000000007071</a>	2026	Oliver J., Standing, Julien T., Hohenleitner, Lyudmyla, Demyan, Shruti, Koti, Nandan, Vithlani, Taemooon, Chung, Amber N., Habowski, Taehoon, Ha, Sepideh, Gholami, James M., Crawford, Youngkyu, Park, Oliver, Jonas, Zhen, Zhao, Scott K., Lyons, Daniel A., King, David A., Tuveson, Matthew J., Weiss	No
<a href="#">Magnetically-Induced Suppression of Oxidative Stress Prevents Venous Thrombosis</a>	Advanced Science		2025	Nana, Zhang, Yirong, An, Shiran, Tao, Shenao, Qu, Minge, Wu, Guantong, Fang, Ziqing, Chen, Weilun, Song, Haoze, Leng, Rongqian, Wu, Yi, Lyu, Xiaoli, Liu, Dinghui, Dong	No
<a href="#">Targeting tumor-intrinsic BCL9 reverses immunotherapy resistance by eliciting macrophage-mediated phagocytosis and antigen presentation</a>	Nature Communications		2025	Sui Yi, Wu, Yuan Yuan, Zhu, Jia Lei, Sun, Chun Yan, Wang, Yu Lei, Wang, Yan Yan, Nie, Fei, Song, Xun, Huang, Zhong, Chen, Tian, He, Li An, Shen, Yang, Xu, Cheng, Huang, Shuang Jian, Qiu, Jian, Zhou, Andrew X., Zhu, Jia, Fan, Di, Zhu, Bo, Hu, Xin Rong, Yang	No
<a href="#">Necroptosis Inhibition Preserves Diaphragm Function in Experimental Sepsis</a>	The American Journal of Pathology	<a href="http://creativecommons.org/licenses/by/4.0">http://creativecommons.org/licenses/by/4.0</a>	2025	Xin Fu, Lie-Tao Wang, Qian Xu, Hua Yao, Xiao-Xiao Xia, Yucong Wang, Tong-Ling Li, Zhi-Wei Yao, Ji Luo, Guo-Peng Liang, Jing Yang, Qin Wu	No
<a href="#">Demonstration of SLU7 as a new cancer target</a>	Biomedicine and Pharmacotherapy		2025	Carla, Rojo, Aaron, Otero, Maria, Elizalde, Maria, Azkona, Roberto, Barbero, Maria U., Latasa, Iker, Uriarte, Alvaro, Gutierrez-Uzquiza, Diego, Algnani, Laura, Guembe, Amaia, Lujambio, Fernando, Pastor, Maite G., Fernández-Barrena, Matias A., Avila, Maria, Arechederra, Carmen, Berasain	No
<a href="#">Flexible Ultrasound Patch for Noninvasive, Targeted Anti-Angiogenic Therapy of Unstable Carotid Plaques</a>	Annals of Biomedical Engineering		2026	Jie, Hu, Mingke, Jiao, Chenchen, Tang, Ping, Liang, Jingwei, Tang, Li, Wan, Jimei, Chen, Rui, Li	No

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<a href="#">Elevated asprosin in postmenopause is associated with vasculometabolic complications</a>	American journal of physiology. Heart and circulatory physiology		2026	Nefia, Chacko, Mohit, Shah, Reia, Thomas, Christian, Jude-Aspiras, Akinobu, Watanabe, Maria Alicia, Carrillo-Sepulveda	No
<a href="#">CircEif3c/miR-96-5p/PHF20L1/MEOX2 axis in perivascular preadipocyte exosomes mediates fibroblast dysfunction and vascular remodeling</a>	Non-coding RNA Research		2026	Yixuan, Liu, Peiqing, Tian, Shuaiyong, Zhang, Jiayu, Wang, Ye, Zhang, Shuxin, Ge, Qinghai, Wang, Peng, Wang, Juan, Zhang, Ping, Liu	No
<a href="#">Expanding clones, expanding aneurysms through macrophage-to-osteoclast differentiation</a>	The Journal of clinical investigation		2026	Jessica A., Regan, Svati H., Shah	No
<a href="#">Focal adhesion proteins confer smooth muscle anoikis resistance and protection against aortic aneurysm and dissection</a>		<a href="https://doi.org/10.1172/jci.insight.195291">https://doi.org/10.1172/jci.insight.195291</a>	2026	Zhenyuan, Zhu, Mingjun, Liu, Jianxin, Wei, Deepa, Suryanarayan, Parya, Behzadi, Robert, Edgar, Julie A, Phillippi, Cynthia, St Hilaire, Cristina, Espinosa-Diez, Delphine, Gomez	No
<a href="#">Systematic design of combination therapy by targeting master regulators of coexisting diffuse midline glioma cell states</a>	Nature Genetics		2026	Ester, Calvo Fernández, Lorenzo, Tomassoni, Xu, Zhang, Junqiang, Wang, Aleksandar, Obradovic, Pasquale, Laise, Aaron T., Griffin, Lukas, Vlahos, Hanna E., Minns, Diana V., Morales, Christian, Simmons, Matthew, Gallitto, Hong Jian, Wei, Timothy J., Martins, Pamela S., Becker, John R., Crawford, Theophilos, Tzaridis, Robert J., Wechsler-Reya, James, Garvin, Robyn D., Gartrell, Luca, Szalontay, Stergios, Zacharoulis, Cheng Chia, Wu, Zhiguo, Zhang, Andrea, Califano, Jovana, Pavisic	No
<a href="#">High-oxalate diet-induced kidney injury impairs AVF remodeling via hypertension, endothelial damage, and immune activation</a>	Biochimica et Biophysica Acta - Molecular Basis of Disease		2026	E. P., de Winter, N., Kruit, K., van Dijk, M. N., Nicese, H. A. B., Peters, M., Goel, E. J., Snijder, P. H.A., Quax, A. H., Baker, J. I., Rotmans, M. R., de Vries	No
<a href="#">Close-to-Patient Models for Gastric Cancer: From Patient-Derived Xenograft Towards a Novel Gastric Cancer Mini-Tumor Model</a>	OncoTargets and Therapy		2026	Sarah K., Hakuno, Joëlle, Zonneveld, Stefanus G.T., Janson, Anthea, Van der Wielen, Eleonore B., Kuhlemajjer, Maud, Steenbakkers, Leonie, Plug, Eveline, De Jonge-Muller, Eduard P., De Winter, Margreet R., De Vries, Tom, Van Wezel, Stijn, Crobach, Lukas J.A.C., Hawinkels, Andrea, Vallés-Martí, Marije, Slingerland	No
<a href="#">Smooth Muscle Cell Specific Activity of SGK-1 Alters Aortic Stiffness and Abdominal Aortic Aneurysm Growth</a>	Journal of Vascular Diseases		2026	Matthew, Anderson, Leilei, Zhang, Mario, Figueroa, Victoria, Mattia, Alexander, Rovner, Vinitha, Uppalapati, Ying, Xiong, Rupak, Mukherjee, Jeffrey A., Jones, Jean Marie, Ruddy	No
<a href="#">Tumor necrosis factor alpha inhibition improves fetal growth in a rat model of preeclampsia</a>	Placenta		2026	Laura E., Coats, Nathan, Campbell, Dylan, Solise, Gabrielle M., Chamoun, Adam Z., Rawls, Alexandra, Demesa, Ty, Turner, Baoying, Zheng, Barbara T., Alexander, Babbette, LaMarca	No
<a href="#">Effects of proANP31-67 in a preclinical model of uninephrectomy and cardiac 2 ischemia/reperfusion injury: cardiac remodeling and tissue biochemical profiling</a>			2026	Gustavo, Jose Justo Silva, Sara, Stefani, Reza, Parvan, Michael, Frisk, Xin, Shen, Alunni, Cardinali, Mari E, Strand, Karoline, Bjarnesdatter Rypdal, Mathis, Korseberg, Håvard, Attramadal, Ida G, Lunde, Jan, Magnus Aronsen, Kåre-Olav, Stensløyken, William E, Louch, Paola, Sassi, Alessandro, Cataliotti	No

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<a href="#">Antitumor Activity of the Ethanolic Extract from Syzygium aromaticum in Colorectal Cancer Xenograft Mice</a>	Pharmaceutics		2026	Thunyatorn, Yimsoo, Weerakit, Taychaworaditsakul, Hathaichanok, Chuntakaruk, Worapapar, Treesuppharat, Sumet, Kongkiatpaiboon, Apipu, Ariyachayut, Sunee, Chansakaow, Teera, Chewonarin, Parirat, Khonsung, Seewaboon, Sireeratawong	No
<a href="#">PARP1 Combining Nanoparticle LIN28B siRNA for the Management of Malignant Ascites</a>	Advanced Science		2026	Yan, Fang, Qian, Shen, Yao, Lin, Jing, Zhu, Xiaolan, Zhu, Rui, Huang, Yijia, Wu, Feiyang, Shen, Qian, Li, Guopei, Zheng, Zhe, Zhang, Qian, Chu, Junhao, Hu, Jianfeng, Shen	No
<a href="#">Preserved Function of Endothelial Colony-Forming Cells in Female Rats with Intrauterine Growth Restriction: Protection Against Arterial Hypertension and Arterial Stiffness?</a>	Cells		2026	Thea, Chevalley, Floriane, Bertholet, Marion, Dübi, Maria Serena, Merli, Mélanie, Charmoy, Sybil, Bron, Manon, Allouche, Alexandre, Sarre, Nicole, Sekarski, Stéphanie, Simoncini, Patrick, Taffé, Umberto, Simeoni, Catherine, Yzydorczyk	No
<a href="#">Crotonate suppresses breast cancer metastasis and promotes immunotherapy response by inducing ACS2-mediated EZH2-K348 crotonylation</a>	Sci. Adv	<a href="https://www.science.org">https://www.science.org</a>	2026	Bo, Liu, Xinwei, Duan, Ge, Wang, Youzhi, Tang, Kunhao, Zhou, Jing, Zhang, Yu, Yu, Hongquan, Zhang	No
<a href="#">Treatment of clonal hematopoiesis associated atherosclerosis via vaccine-based clearance of the mutant cells</a>	Journal of Advanced Research		2026	Shuang, Liang, Wenxin, Tao, Di, Qu, Panpan, Ji, Zhenzhen, Hao, Mengying, Wei, Guodong, Yang, Xueying, Zhou, Chen, Wang, Lijun, Yuan	No
<a href="#">SREBP1-mediated lipogenesis promotes dedifferentiation and senescence of vascular smooth muscle cells through epigenetic remodeling</a>	Nature Communications		2025	Bowen, Li, Kaixiang, Zhou, Anan, Yin, Yonghong, Liu, Xichen, Wang, Yujia, Cui, Fangfang, Liu, Qirong, Liu, Hongjing, Zheng, Zhiqiang, Mu, Kun, Chen, Yuanming, Wu, Yaoming, Chang, Junxiang, Bao	No
<a href="#">Prolonged exposure to nitrate in drinking water does not adversely impact prenatal or birth outcomes in a rat model</a>	Regulatory Toxicology and Pharmacology		2026	Leaf R., Kardol, Avalon, Gray, Amina, Rhaman, Alexander N., Larcombe, Christine, Jeffries-Stokes, Annette, Stokes, Sarah, Bourke, Sujata, Shinde, Kevin, Croft, Caitlin S., Wyrwoll	No
<a href="#">miR-155 suppresses angiotensin II type 1 receptor synthesis during placental morphogenesis</a>	Cell Death Discovery		2025	Anya L., Arthurs, Eugenie R., Lumbers, Lachlan, Schofield, Celine, Lees, Peck Y., Chin, Alison S., Care, Sarah A., Robertson, John E., Schjenken, Kirsty G., Pringle	No
<a href="#">Mapping Microvascular Flow via Radon Transform Ultrasound: Technical Advances and Pilot Application</a>	BME Frontiers	<a href="https://spj.science.org">https://spj.science.org</a>	2026	Author, Jingyi Yin, Lijie, Huang, Jingke, Zhang, U-Wai, Lok, Ryan M, DeRuiter, Xiang-yang, Zhu, James D, Krier, Yohan, Kim, Yanzhe, Zhao, Kaipeng, Ji, Fabrice, Lucien, Lilach O, Lerman, Shigao, Chen, Chengwu, Huang	No
<a href="#">Perillyl alcohol attenuates hypoxia induced right ventricular dysfunction and remodeling by balancing the renin angiotensin aldosterone system in rats</a>	Scientific Reports	<a href="https://www.nature.com/articles/s41598-025-34539-6">https://www.nature.com/articles/s41598-025-34539-6</a>	2026	Hai-Jun, Bai, Yi-Wen, Wang, Zhan-Qiang, Li, Dian-Xiang, Lu, Xing-Mei, Nan, Zhan-Ting, Yang	No
<a href="#">Colchicine Alleviates Non-Atherosclerotic Vascular Aging by Targeting Endothelial Dysfunction and Inflammatory Status</a>	Journal of Inflammation Research	<a href="https://www.dovepress.com/colchicine-alleviates-non-atherosclerotic-vascular-ag...">https://www.dovepress.com/colchicine-alleviates-non-atherosclerotic-vascular-ag...</a>	2026	Soroush, Mohammadi Jouabadi, Annika, Jüttner, Keivan, Golshiri, Ehsan, Ataei Ataabadi, Martine, de Boer, Rene, De Vries, Richard, Van Veghel, Yoëlle, Goos, Youri, Boon, Usha, Musterd-Bhaggoe, Dirk, Duncker, Antoinette, MaassenVanDenBrink, AH Jan, Danser, Willem, Bax, Jan, Cornel, Anton, Roks	No

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<a href="#">Echocardiographic characterization and functional impairment in an ex-vivo perfused rat model of takotsubo syndrome</a>	European Heart Journal	<a href="https://academic.oup.com/eurheartj/article/46/Supplement_1/ehaf784.4740/8309726">https://academic.oup.com/eurheartj/article/46/Supplement_1/ehaf784.4740/8309726</a>	2025	A, Nejat, E R M I R, Zufaj, Y A L D A, Kakaie, A H M E D, Elmahdy, A A R O N, Shekka Espinosa, P Y L O V A, Tetiana, S, Valentina, M A N A, Kalani, A, Hamid, A, Jha, Björn, Redfors, E L M I R, Omerovic	No
<a href="#">He has been a Researcher with the Cardiovascular Imaging Research Laboratory</a>	J. P. Salvas received B.S. and M.S. degrees in biomedical engineering from Purdue University	<a href="https://doi.org/10.1113/JP289361#support-information-section">https://doi.org/10.1113/JP289361#support-information-section</a>	2025	John P. Salvas, Thomas, Moore-Morris, Craig J, Goergen, Pierre, Sicard	No
<a href="#">Effect of Antihypertensive Losartan on Ca<sup>2+</sup> Mobilization in the Aorta of Middle-Aged Spontaneously Hypertensive Female Rats</a>		<a href="https://creativecommons.org/licenses/by/4.0/">https://creativecommons.org/licenses/by/4.0/</a>	2025	Swasti, Rastogi, Jessica, Liaw, Yingnan, Zhai, Tatiana, Karpova, Linxia, Gu, Kenia, Nunes	No
<a href="#">Extracellular RNA as a molecular driver and therapeutic target in abdominal aortic aneurysms</a>	Scientific Reports		2025	Nahla, Ibrahim, Hubert, Hayden, Gabriel, Kurzreiter, Johannes, Klopff, Sonja, Bleichert, Tyler, Artner, Alexander, Stiglbauer-Tscholokoff, Wolf, Eilenberg, Christoph, Neumayer, Christine, Brostjan	No
<a href="#">Loss of ADAM17 in smooth muscle cells enhances their transformation to macrophage-like cells leading to more severe atherosclerosis in mice</a>	Atherosclerosis		2025	Ilamaran, Meganathan, Tolga, Kilic, Razoan, Al Rimon, Tushar, Naiya, Vidhya, Krishnan, Nikki, Atanasova, Anthony, Wong, Gavin Y., Oudit, Slava, Epelman, Zamaneh, Kassiri	No
<a href="#">The transcription factor RBPI is required for inflammatory macrophage activation in thoracic aortic dissection by mediating mechanotransduction-induced glycolysis</a>	Cellular and Molecular Life Sciences		2025	Zhi Qiang, Yin, Ting, Wen, Xiu Li, Cao, Zhao Xia, Lv, Yang, Su, Liang, Liang, Pei Ran, Zhang, Zi Yan, Yang, Hua, Han, Xian Chun, Yan, Qi Jun, Zheng	No
<a href="#">Prenatal paroxetine dysregulates monoamine homeostasis and affects placental hemodynamics in the rat fetoplacental unit</a>	Biomedicine and Pharmacotherapy		2025	Hana, Horackova, Ivana, Musilova-Kacerovska, Cilia, Abad, Rona, Karahoda, Veronika, Vachalova, Ramon, Portillo, Mireia, Vifias-Noguera, Kasin, Yadunandam, Daniel, Heblík, Eva, Cifkova, Miroslav, Lisa, Martin, Sterba, Jaroslav, Stranik, Alexandre, Bonnin, Frantisek, Staud	No
<a href="#">Engineered cyclic peptide targeting ITGA5 disrupts tumor-stroma interaction to overcome desmoplasia and resistance in pancreatic ductal adenocarcinoma</a>	Acta Pharmaceutica Sinica B		2025	Deby Fajar, Mardhian, Kunal P., Pednekar, Ahmed G., Hemdan, Praneeth Reddy, Kuninty, Saadia A., Karim, Sabine, de Winter, Josbert M., Metselaar, Jennifer P., Morton, Jai, Prakash	No
<a href="#">Double gene overexpression of ZNF746 and cellular prion protein in rat adipose-derived mesenchymal stromal cell therapy protects the liver against ischemia-reperfusion injury</a>	Cell Transplantation		2025	Sheung Fat, Ko, Chi Ruei, Huang, John Y., Chiang, Yi Ling, Chen, Hon Kan, Yip	No
<a href="#">Application of ultrasound in assessment of acute lung injury in mice</a>	PLOS One		2025	An-Xia, Deng, Ling, Zhao, Amanguli, Ruze, Qiu-Lin, Li, Bang-Hao, Zhao, Su, Hu, Min-Tao, Gai, Hong-Li, Wang, Qiao-Ling, Yao, Xiao-Ming, Gao	No
<a href="#">Plasminogen Activator Inhibitor-1 promotes aortic aging-1 like pathophysiology in humans and mice</a>				Alireza, Khoddam, Anthony, Kalousdian, Mesut, Eren, Saul, Soberanes, Andrew, Decker, Elizabeth J, Lux, Benjamin W, Zywicki, Brian, Dinh, Bedirhan, Boztepe, Baljash S, Cheema, Carla M, Cuda, Hiam, Abdala-Valencia, Arun, Sivakumar, Toshio, Miyata, Lisa D, Wilsbacher, Douglas E, Vaughan	No
<a href="#">Hepatic BMAL1 and HIF1<math>\alpha</math> regulate a time-dependent hypoxic response and prevent hepatopulmonary-like syndrome</a>	Cell Metabolism		2024	Vaishnavi, Dandavate, Nityanand, Bolshette, Rachel, Van Drunen, Gal, Manella, Hanna, Bueno-Levy, Mirie, Zerbib, Ipppei, Kawano, Marina, Golik, Yaarit, Adamovich, Gad, Asher	No

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<a href="#">Spleen-liver dual accumulation of ly6c<sup>low</sup>Exo potentiates synergistic immune modulation for liver fibrosis therapy</a>	Nano Today		2024	Jinghui, Wang, Rongrong, Jia, Wei, Wei, Mingli, Hu, Feng, Li, Wenjing, Wang, Peng, Ye, Jiawei, Zhao, Ling, Xu, Shuang, Wang, Yugang, Wang, Min, Shi, Guanghui, Ma	No
<a href="#">Automatic Segmentation for Analysis of Murine Cardiac Ultrasound and Photoacoustic Image Data Using Deep Learning</a>	Ultrasound in Medicine and Biology		2024	Katherine A., Leyba, Hayley, Chan, Olivia, Loesch, Salomé, Belec, Pierre, Sicard, Craig J., Goergen	No
<a href="#">Redox-Sensitive Poly(lactic-co-glycolic acid) Nanoparticles of Palbociclib: Development, Ultrasound/Photoacoustic Imaging, and Smart Breast Cancer Therapy</a>	Molecular Pharmaceutics		2024	Piyush, Dhamija, Abhishesh Kumar, Mehata, Rupen, Tamang, Jyoti, Bonlawar, None, Vaishali, Ankit Kumar, Malik, Aseem, Setia, Shalendra, Kumar, Ranadheer Reddy, Challa, Biplob, Koch, Madaswamy S., Muthu	No
<a href="#">In Vivo Combined Photoacoustic Imaging and Photothermal Treatment of HPV-Negative Head and Neck Carcinoma with NIR-Responsive Non-Persistent Plasmon Nano-Architectures</a>	Advanced Therapeutics		2024	Valentina, Frusca, Chiara, Cavallini, Agata, Zamborlin, Giuliana, Drava, Virginia, Barone, Lisa, Gherardini, Mario, Chiarriello, Paolo, Armanetti, Maria Laura, Ermini, Luca, Menichetti, Valerio, Voliani	No
<a href="#">Influence of Phase Change Droplet Activation and Microbubble Cavitation on the Microenvironment of Hepatocellular Carcinoma</a>	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
<a href="#">Cancer stem cells release interleukin-33 within large oncosomes to promote immunosuppressive differentiation of macrophage precursors</a>	Immunity		2024	Hannah L., Erickson, Sachiko, Taniguchi, Anish, Raman, Justin J., Leitenberger, Sanjay V., Malhotra, Naoki, Oshimori	No
<a href="#">An injury-associated lobular microniche is associated with the classical tumor cell phenotype in pancreatic cancer</a>	Nature Communications	<a href="https://www.nature.com/articles/s41467-025-63864-7">https://www.nature.com/articles/s41467-025-63864-7</a>	2025	Sara, Söderqvist, Annika, Viljamaa, Natalie, Geyer, Anna-Lena, Keller, Kseniya, Ruksha, Carina, Strell, Neda, Hekmati, Alexandra, Niculae, Jennie, Engstrand, Ernesto, Sparrellid, Caroline, Salmén, Tània D. F., Costa, Miao, Zhao, Staffan, Strömblad, Argyro, Zacharouli, Poya, Ghorbani, Sara, Harrizi, Yousra, Hamidi, Olga, Khorosjutina, Stefina, Milanova, Bernhard, Schmierer, Béla, Bozóky, Carlos, Fernández Moro, Marco, Gerling	No
<a href="#">Derivation of ultrasound and electrocardiogram cardiac reference ranges for Mus musculus using the collaborative cross and identification of new cardiac models</a>	BMC Cardiovascular Disorders	<a href="https://bmccardiovascdisord.biomedcentral.com/articles/10.1186/s12872-025-05156...">https://bmccardiovascdisord.biomedcentral.com/articles/10.1186/s12872-025-05156...</a>	2025	Julia L., Popp, Krishna, Patel, Danila, Cuomo, Rachel M., Lynch, Steve W., Leung, Brian R., Berridge, Ivan, Rusyn, Weihsueh A., Chiu, David W., Threadgill	No
<a href="#">Exercise sensitizes the pressure diuresis response: shifting immune landscapes may underlie renal adaptations</a>	American journal of physiology. Renal physiology		2025	Steven P., Jones, Nathan, O'Leary, Ernesto, Pena Calderin, Richa, Singhal, Jason, Hellmann, Celio, Damacena de Angelis, Kenneth R., Brittan, Paul A., Welling, Yibing, Nong, Sophia M., Sears	No
<a href="#">Targeting USP21 to inhibit abdominal aortic aneurysm progression by suppressing the phenotypic transition of vascular smooth muscle cells</a>	Cell Reports Medicine	<a href="https://linkinghub.elsevier.com/retrieve/pii/S266637912500401X">https://linkinghub.elsevier.com/retrieve/pii/S266637912500401X</a>	2025	Huidan, Zhang, Hongwei, Yue, Yijun, Sun, Guangqi, Sun, Kehui, Yang, Tangxing, Jiang, Sumei, Cui, Yang, Liu, Yunyun, Guo, Wencheng, Zhang, Cheng, Zhang, Yuguo, Chen, Feng, Xu	No
<a href="#">Targeting STING to disrupt macrophage-mediated adhesion in encapsulating peritoneal sclerosis</a>	Communications Biology		2025	Juan, Sun, Yuxiang, Sun, Dandan, Guo, Huolin, Ye, Qiang, Huang, Hu, Zhou, Canming, Li, Mei, Liao, Yujia, You, Hongli, Shang, Pan, Zhou, Dongxuan, Wu, Janusz, Witowski, Zhaoyong, Hu, Hui, Peng	No

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<a href="#">Comparative analysis of ALA mediated sonodynamic therapy considering tumor size, light combination and ultrasound delivery in murine cutaneous melanoma</a>	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
<a href="#">Wild-type and engineered adeno-associated viral vectors produce comparable opsin expression and light-evoked responses in rat skeletal muscle</a>	Molecular Therapy Methods and Clinical Development		2025	Fiona L., Knapman, E. Myfanwy, Cohen, Tom, Kulaga, Nigel H., Lovell, Leszek, Lisowski, Peter G.R., Burke, Lynne E., Bilston	No
<a href="#">PGC1<math>\alpha</math> regulates the mitochondrial metabolism response to cyclic stretch, which inhibits neointimal hyperplasia</a>	Cellular and Molecular Life Sciences	<a href="https://link.springer.com/10.1007/s00018-025-05790-x">https://link.springer.com/10.1007/s00018-025-05790-x</a>	2025	Minwen, Zou, Kaichuang, Ye, Jing, Yan, Shoumin, Zhang, Han, Bao, Zhiyin, Li, Yuting, Tao, Xing, Zhang, Wenhao, Tian, Yingxin, Qi, Yunlong, Huo, Yue, Han	No
<a href="#">Xianglian Pill combined with 5-fluorouracil enhances antitumor activity and reduces gastrointestinal toxicity in gastric cancer by regulating the p38 MAPK/NF-<math>\kappa</math>B signaling pathway</a>	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
<a href="#">A Novel Rat Model of Mild Pulmonary Hypertension Associated with Pulmonary Venous Congestion Induced by Left Pulmonary Vein Banding</a>	International Journal of Molecular Sciences		2024	Jonas, Münks, Athiththan, Yogeswaran, Tobiah Kevin, Antoine, Leonhard Anton, Blumrich, Peter, Dorf Müller, Hossein Ardeschir, Ghofrani, Birgit, Assmus, Ralph Theo, Schermuly, Akylbek, Sydykov	No
<a href="#">Nanofibers of N,N,N-trimethyl chitosan capped bimetallic nanoparticles: Preparation, characterization, wound dressing and in vivo treatment of MDR microbial infection and tracking by optical and photoacoustic imaging</a>	International Journal of Biological Macromolecules		2024	Ankit Kumar, Malik, Chandrashekar, Singh, Punit, Tiwari, Dipti, Verma, Abhishesh Kumar, Mehata, Vikas, Aseem, Setia, Ashim, Mukherjee, Madaswamy S., Muthu	No
<a href="#">Exercise mitigates flow recirculation and activates metabolic transducer SCD1 to catalyze vascular protective metabolites</a>	Sci. Adv	<a href="https://www.science.org">https://www.science.org</a>	2024	Susana, Cavallero, Mehrdad, Roustaei, Sandro, Satta, Jae, Min Cho, Henry, Phan, Kyung, In Baek, Ana M, Blázquez-Medela, Sheila, Gonzalez-Ramos, Khoa, Vu, Seul-Ki, Park, Tomohiro, Yokota, Jennifer, Sumner, Julia J, Mack, Curt D, Sigmund, Srinivasa T, Reddy, Rongsong, Li, Tzung K, Hsiai	No
<a href="#">Super-Resolution Ultrasound Imaging for Monitoring the Therapeutic Efficacy of a Vascular Disrupting Agent in an Animal Model of Breast Cancer</a>	Journal of Ultrasound in Medicine		2024	Kenneth, Hoyt	No
<a href="#">A SU6668 pure nanoparticle-based eyedrops: toward its high drug Accumulation and Long-time treatment for corneal neovascularization</a>	Journal of Nanobiotechnology		2024	Han, Wu, Jinfa, Ye, Minjie, Zhang, Lingyu, Zhang, Sijie, Lin, Qingjian, Li, Yanbo, Liu, Yun, Han, Caihong, Huang, Yiming, Wu, Yuhang, Cheng, Shundong, Cai, Lang, Ke, Gang, Liu, Wei, Li, Chengchao, Chu	No
<a href="#">Identification of congenital aortic valve malformations in juvenile natriuretic peptide receptor 2-deficient mice using high-frequency ultrasound</a>	American Journal of Physiology - Heart and Circulatory Physiology		2024	Vrushali, Guruji, Yu Qing, Zhou, Mingyi, Tang, Zahra, Mirzaei, Yu, Ding, Malak, Elbatarny, Neda, Latif, Craig A., Simmons	No
<a href="#">Extracellular Matrix Stiffness-Induced Mechanotransduction of Capillarized Liver Sinusoidal Endothelial Cells</a>	Pharmaceuticals		2024	Qingjuan, Wu, Quanmei, Sun, Qiang, Zhang, Ning, Wang, Wenliang, Lv, Dong, Han	No
<a href="#">Durable lymph-node expansion is associated with the efficacy of therapeutic vaccination</a>	Nature Biomedical Engineering		2024	Alexander J., Najibi, Ryan S., Lane, Miguel C., Sobral, Giovanni, Bovone, Shawn, Kang, Benjamin R., Freedman, Joel, Gutierrez Estupinan, Alberto, Elosegui-Artola, Christina M., Tringides, Maxence O., Dellacherie, Katherine, Williams, Hamza, Ijaz, Sören, Müller, Shannon J., Turley, David J., Mooney	No

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<a href="#">Riboflavin-targeted polymers improve tolerance of paclitaxel while maintaining therapeutic efficacy</a>	Nanomedicine: Nanotechnology, Biology, and Medicine		2024	Milita, Darguzyte, Elena, Rama, Anne, Rix, Jasmin, Baier, Juliane, Hermann, Sima, Rezvantlab, Mohammad, Khedri, Joachim, Jankowski, Fabian, Kiessling	No
<a href="#">Dynamic injectable tissue adhesives with strong adhesion and rapid self-healing for regeneration of large muscle injury</a>	Biomaterials		2024	Sungmin, Nam, Junzhe, Lou, Sangmin, Lee, Jan Marc, Kartenbender, David J., Mooney	No
<a href="#">Urotensin II receptor deficiency ameliorates ligation-induced carotid intimal hyperplasia partially through the RhoA-YAP1 pathway</a>	Biochimica et Biophysica Acta - Molecular Basis of Disease		2024	Panpan, Wei, Kangli, Tian, Haole, Liu, Kexin, Li, Naqash, Alam, Daxin, Cheng, Meng, Li, Xue, He, Jia, Guo, Rong, Wang, Weirong, Wang, Liang, Bai, Enqi, Liu, Baohui, Xu, Yankui, Li, Sihai, Zhao	No
<a href="#">Coiled-Coil Protein Hydrogels Engineered with Minimized Fiber Diameters for Sustained Release of Doxorubicin in Triple-Negative Breast Cancer</a>	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
<a href="#">Effects evaluation of different exercises on subclinical left ventricular dysfunction in obese rats by speckle-tracking echocardiography</a>	Obesity Research and Clinical Practice		2024	Fengli, Tan, Donghui, Tang, Pei, Su, Tianyi, Xu, Yufeng, He, Mengyue, Wang, Daxin, Li, Yangya, Feng	No
<a href="#">Functional and molecular 3D mapping of angiosarcoma tumor using non-invasive laser speckle, hyperspectral, and photoacoustic imaging</a>	Orbit (London)		2024	Magne, Stridh, Ulf, Dahlstrand, Magdalena, Naumovska, Karl, Engelsberg, Bodil, Gesslein, Rafi, Sheikh, Aboma, Merdasa, Malin, Malmsjö	No
<a href="#">Photocurable extracellular matrix sealant for cessation of venous hemorrhage</a>	Journal of Biomedical Materials Research - Part B Applied Biomaterials		2024	Luke E., Schepers, Brooke L., Martindale, Alycia G., Berman, Hannah L., Cebull, William, Van Alstine, Sydney E., Hollingshead, Tyler, Novak, Craig J., Goergen	No
<a href="#">Ultrasound imaging guided targeted sonodynamic therapy enhanced by magnetophoretically controlled magnetic microbubbles</a>	International Journal of Pharmaceutics		2024	Yao, Zhu, Gulzira, Arkin, Tianzhen, He, Fengjuan, Guo, Ling, Zhang, Yu, Wu, Paras N., Prasad, Zhongjian, Xie	No
<a href="#">Irradiation with Carbon Ions Effectively Counteracts Hypoxia-related Radioresistance in a Rat Prostate Carcinoma</a>	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
<a href="#">A highly selective mPGES-1 inhibitor to block abdominal aortic aneurysm progression in the angiotensin mouse model</a>	Scientific Reports		2024	Lauren M., Weaver, Madeline J., Stewart, Kai, Ding, Charles D., Loftin, Fang, Zheng, Chang Guo, Zhan	No
<a href="#">Targeted opening of the blood-brain barrier using VCAM-1 functionalised microbubbles and "whole brain" ultrasound</a>	Theranostics		2024	Vanessa A., Johanssen, Jia Ling, Ruan, Oliver, Vince, Alec, Thomas, Sarah, Peeters, Manuel Sarmiento, Soto, Jessica, Buck, Michael, Gray, Eleanor, Stride, Nicola R., Sibson	No
<a href="#">Impaired memory in Sprague-Dawley rats exposed to complex groundwater mixtures of contaminants is associated with reduced cranial blood flow and hippocampal neurotoxicity</a>	NeuroToxicology		2024	B., Boamah, C., Morse, S., Siciliano, N., Hogan, M., Hecker, M., Hanson, P., Campbell, R., Peters, A. N., Al-Dissi, T. D., Oliver, L., Weber	No
<a href="#">Site-specific genetic and functional signatures of aortic endothelial cells at aneurysm predilection sites in healthy and AngII ApoE-/- mice</a>	Angiogenesis		2024	Alexander, Brückner, Adrian, Brandtner, Sarah, Rieck, Michaela, Matthey, Caroline, Geisen, Benedikt, Fels, Marta, Stei, Kristina, Kusche-Vihrog, Bernd K., Fleischmann, Daniela, Wenzel	No

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<a href="#">Topographic modification of the extracellular matrix precedes the onset of bladder cancer</a>	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, Lucianò, Massimo, Alfano	No
<a href="#">Nucleotide metabolism in cancer cells fuels a UDP-driven macrophage cross-talk, promoting immunosuppression and immunotherapy resistance</a>	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, Liwei, 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
<a href="#">Contrast enhanced photoacoustic detection of fibrillar collagen in the near infrared region-I</a>	Nanoscale Advances		2024	Inna, Solomonov, Irene, Locatelli, Silvia, Tortorella, Manu, Unni, Shay Lee, Aharoni, Elisa, Alchera, Erica, Locatelli, Mirko, Maturi, Chiara, Venegoni, Roberta, Lucianò, Andrea, Salonia, Angelo, Corti, Flavio, Curnis, Valeria, Grasso, Gayathri, Malamal, Jithin, Jose, Mauro, Comes Franchini, Irit, Sagi, Massimo, Alfano	No
<a href="#">Berberine ameliorates vascular dysfunction by downregulating TMAO-endoplasmic reticulum stress pathway via gut microbiota in hypertension</a>	Microbiological Research		2024	Zhichao, Wang, Yijia, Shao, Fang, Wu, Dangu, Luo, Guoyifan, He, Jianwen, Liang, Xiaoqing, Quan, Xiehui, Chen, Wenhao, Xia, Ye, Chen, Yue, Liu, Long, Chen	No
<a href="#">Scaffold-Forming Collagen and Motor-Endplate Expressing Muscle Cells for Porcine Laryngoplasty</a>	Laryngoscope		2024	Elizabeth O., Shay, Rachel A., Morrison, Lujuan, Zhang, Samuel L., Kaefter, Troy, Wesson, Abigail, Cox, Sherry L., Voytik-Harbin, Stacey, Halum	No
<a href="#">Impact of bradykinin type 2 receptor overexpression on cardiovascular function in mice</a>	Biochemical Pharmacology		2025	Sara, Metry, Tatsiana, Suvorava, Jens W., Fischer, Vu Thao Vi, Dao, Georg, Kojda	No
<a href="#">RNA nanotherapeutics with fibrosis overexpression and retention for MASH treatment</a>	Nature Communications		2024	Xinzhu, Shan, Zhiqiang, Zhao, Pingping, Lai, Yuxiu, Liu, Buyao, Li, Yubin, Ke, Hanqiu, Jiang, Yilong, Zhou, Wenzhe, Li, Qian, Wang, Pengxia, Qin, Yizhe, Xue, Zihan, Zhang, Chenlong, Wei, Bin, Ma, Wei, Liu, Cong, Luo, Xueguang, Lu, Jiaqi, Lin, Li, Shu, Yin, Jie, Xunde, Xian, Derfogail, Delcassian, Yifan, Ge, Lei, Miao	No
<a href="#">The paravertebral lymphatic system is involved in the resorption of the herniated nucleus pulposus and the regression of inflammation associated with disc herniation</a>	Osteoarthritis and Cartilage		2024	Yuanfei, Fu, Zhiming, Lan, Ning, Li, Lianping, Xing, Luying, Yuan, Juji, Lai, Hualong, Feng, Lin, Cong, Yongjun, Wang, Shenghua, He, Qianqian, Liang	No
<a href="#">Fluorescence and photoacoustic (FL/PA) dual-modal probe: Responsive to reactive oxygen species (ROS) for atherosclerotic plaque imaging</a>	Biomaterials		2025	Qianqian, Yu, Yi, Duan, Nian, Liu, Zhirong, Zhu, Ying, Sun, Haojian, Yang, Yiqi, Shi, Xiangyu, Li, Wei Hong, Zhu, Lixin, Wang, Qi, Wang	No

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<a href="#">Positive feedback loop PU.1-IL9 in Th9 promotes rheumatoid arthritis development</a>	Annals of the Rheumatic Diseases		2024	Jiajie, Tu, Weile, Chen, Wei, Huang, Xinming, Wang, Yilong, Fang, Xuming, Wu, Huiru, Zhang, Chong, Liu, Xuewen, Tan, Xiangling, Zhu, Huihui, Wang, Dafei, Han, Yizhao, Chen, Anqi, Wang, Yuanyuan, Zhou, Zimeng, Xue, Hui, Xue, Shangxue, Yan, Lingling, Zhang, Zhenbao, Li, Chunlan, Yang, Yujie, Deng, Shihao, Zhang, Chen, Zhu, Wei, Wei	No
<a href="#">Targeting endothelial KCa channels in vivo restores arterial and endothelial function in type 2 diabetic rats</a>	Metabolism: Clinical and Experimental		2024	Ramesh C., Mishra, Darrell D., Belke, Latika, Singh, Heike, Wulff, Andrew P., Braun	No
<a href="#">PEDF-Enriched Extracellular Vesicle for Vessel Normalization to Potentiate Immune Checkpoint Blockade Therapy</a>	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, Hyewon, Ko, Jae Hyung, Park	No
<a href="#">Induction and characterization of a rat model of endometriosis</a>	Scientific Reports		2024	Jayhind Kumar, Chauhan, Pawan K., Dubey, Sangeeta, Rai, Anima, Tripathi	No
<a href="#">Deep learning enables accurate soft tissue tendon deformation estimation in vivo via ultrasound imaging</a>	Scientific Reports		2024	Reece D., Huff, Frederick, Houghton, Conner C., Earl, Elnaz, Ghajar-Rahimi, Ishan, Dogra, Denny, Yu, Carisa, Harris-Adamson, Craig J., Goergen, Grace D., O'Connell	No
<a href="#">Minimally invasive soft tissue repair using shrunken scaffolds</a>	Nature Communications		2024	Mingjun, Xie, Shengxi, Jin, Kang, Yu, Hui, Lin, Yong, He	No
<a href="#">Photoacoustic imaging of a cyanine dye targeting bacterial infection</a>	Scientific Reports		2024	Rowan, Swann, Daniel, Hernández-Valdés, Luis Rafael, Silva, Yusra Mahmood, Marfatia, Mohamed E., El-Zaria, Afaf R., Genady, Jacek M., Kwiecien, John F., Valliant, Saman, Sadeghi	No
<a href="#">Pan-lysyl oxidase inhibition disrupts fibroinflammatory tumor stroma, rendering cholangiocarcinoma susceptible to chemotherapy</a>	Hepatology Communications		2024	Paul R., Burchard, Luis I., Ruffolo, Nicholas A., Ullman, Benjamin S., Dale, Yatee A., Dave, Bailey K., Hilty, 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
<a href="#">Rosiglitazone and trametinib exhibit potent anti-tumor activity in a mouse model of muscle invasive bladder cancer</a>	Nature Communications		2024	Sakina A., Plumber, Tiffany, Tate, Hikmat, Al-Ahmadie, Xiao, Chen, Woonyoung, Choi, Merve, Basar, Chao, Lu, Aaron, Viny, Ekatherina, Batourina, Jiaqi, Li, Kristjan, Gretarsson, Besmira, Alija, Andrei, Molotkov, Gregory, Wiessner, Byron Hing Lung, Lee, James, McKiernan, David J., McConkey, Colin, Dinney, Bogdan, Czerniak, Cathy Lee, Mendelsohn	No
<a href="#">19F MRI/CEUS Dual Imaging-Guided Sonodynamic Therapy Enhances Immune Checkpoint Blockade in Triple-Negative Breast Cancer</a>	Advanced Science		2024	Qiu, Chen, Hong, Xiao, Lijun, Hu, Yongquan, Huang, Zhong, Cao, Xintao, Shuai, Zhongzhen, Su	No
<a href="#">Effects of moderate doses of ionizing radiation on experimental abdominal aortic aneurysm</a>	PLoS ONE		2024	Goran, Riaz, Chloe, Brizais, Imene, Garali, Rida, Al-Rifai, Helene, Quelquejay, Virginie, Monceau, Guillaume, Vares, Lea, Ould-Boukhitine, Damien, Aubeleau, Florian, Gilain, Celine, Gloaquen, Morgane Dos, Santos, Hafid, Ait-Oufella, Teni, Ebrahimian	No

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<a href="#">Pre-transplant kidney quality evaluation using photoacoustic imaging during normothermic machine perfusion</a>	Photoacoustics		2024	Anton V., Nikolaev, Yitian, Fang, Jeroen, Essers, Kranthi M., Panth, Gisela, Ambagtsheer, Marian C., Clahsen-van Groningen, Robert C., Minnee, Gijs, van Soest, Ron W.F., de Bruin	No
<a href="#">Aminolysis-mediated single-step surface functionalization of poly (butyl cyanoacrylate) microbubbles for ultrasound molecular imaging</a>	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
<a href="#">Enhancing thymic function improves T-cell reconstitution and immune responses in aged mice</a>	PLOS Biology		2025	Abigail, Morales-Sánchez, Marieke, Lavaert, Melanie S., Vacchio, Gustavo Ulises, Martinez-Ruiz, Daniel, Egbase, Yongge, Zhao, Ross, Lake, Masaki, Ishikawa, Fatima Zohra, Braikia, Dragana, Jankovic, Ranjan, Sen, Rémy, Bosselut, Avinash, Bhandoola, Jennifer E., Cowan	No
<a href="#">Multimodal ultrasound imaging of a rat model with ischemic heart failure and its relationship to histopathology</a>	American Journal of Translational Research		2024	Qiufang, Ouyang	No
<a href="#">STING Promotes the Progression of ADPKD by Regulating Mitochondrial Function, Inflammation, Fibrosis, and Apoptosis</a>	Biomolecules		2024	Jiao, Wu, Shasha, Cheng, Geoffray, Lee, Ewud, Agborbesong, Xiaoyan, Li, Xia, Zhou, Xiaogang, Li	No
<a href="#">Physics-Informed Graph Neural Networks to solve 1-D equations of blood flow</a>	Computer Methods and Programs in Biomedicine		2024	Ahmet, Sen, Elnaz, Ghajar-Rahimi, Miquel, Aguirre, Laurent, Navarro, Craig J., Goergen, Stephane, Avril	No
<a href="#">Novel Metal-Free Nanozyme for Targeted Imaging and Inhibition of Atherosclerosis via Macrophage Autophagy Activation to Prevent Vulnerable Plaque Formation and Rupture</a>	ACS Applied Materials and Interfaces		2024	Lingjie, Wang, Xiaoqian, Zhang, Hongrong, Zhang, Xiaozhe, Wang, Xiaofeng, Ren, Wei, Bian, Caiyun, Shi, Jingying, Wang, Liping, Li, Ruiping, Zhang, Hua, Zhang	No
<a href="#">High-frequency ultrasound for assessing the renal characteristics of spontaneous type 2 diabetes mellitus db/db mice</a>	Experimental Animals		2025	Jiazhi, Cao, Hao, Feng, Lutong, Li, Wenwu, Ling, Hong, Wang	No
<a href="#">Exosomal miR-155-5p promote the occurrence of carotid atherosclerosis</a>	Journal of Cellular and Molecular Medicine		2024	Wen Wen, Yang, Qing Xiang, Li, Fei, Wang, Xin Ran, Zhang, Xian Li, Zhang, Meng, Wang, Dong, Xue, Ying, Zhao, Lu, Tang	No
<a href="#">Hydrogen sulfide attenuates disturbed flow-induced vascular remodeling by inhibiting LDHB-mediated autophagic flux</a>	Redox Biology		2025	Xia, Wang, Xiyang, Huang, Yongya, Zhang, Huanhuan, Huo, Guo, Zhou, Linghong, Shen, Long, Li, Ben, He	No
<a href="#">Identification of the Vulnerability of Atherosclerotic Plaques by a Photoacoustic/Ultrasonic Dual-Modal CRGD Nanomolecular Probe</a>	International Journal of Nanomedicine		2024	Caiqui, Yu, Lu, Zhong, Yanxiang, Zhou, Nan, Jiang, Jinling, Chen, Sheng, Cao	No
<a href="#">Endometriosis development in relation to hypoxia: a murine model study</a>	Molecular Medicine		2024	Marta, Hoffmann-Mlodzianowska, Radosław B., Maksym, Katarzyna, Pucia, Monika, Kucia, Andrzej, Mackiewicz, Claudine, Kieda	No
<a href="#">Quantitative lung ultrasound findings correlate with radial alveolar count in experimental bronchopulmonary dysplasia</a>	Ultrasound Journal		2024	Chiara, Catozzi, Angelo, Modena, Matteo, Storti, Francesca, Ricci, Gino, Villetti, Daniele, De Luca	No
<a href="#">Oncogenic properties of wild-type DNA repair gene FANCA in breast cancer</a>	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, Yuguang, Ban, Christian, Mason, Evan, Roberts, Daniel, Bilbao, Zhao Jun, Liu, Karoline, Briegel, Scott M., Welford, Xin Hai, Pei, Sylvia, Daunert, Wenjun, Liu, Yanbin, Zhang	No

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Self-aggregating long-acting injectable microcrystals</a>	Nature Chemical Engineering		2025	Vivian R., Feig, Sanghyun, Park, Pier Giuseppe, Rivano, Jinhee, Kim, Benjamin, Muller, Ashka, Patel, Caroline, Dial, Sofia, Gonzalez, Hannah, Carlisle, Flavia, Codreanu, Aaron, Lopes, Ayten E., Erdogan, Niora, Fabian, Ashley, Guevara, Andrew, Pettinari, Jason, Li, Jia, Liang, Gary W., Liu, Mark W., Tibbitt, Giovanni, Traverso	No
<a href="#">Antisense mediated blockade of Dickkopf 1 attenuates tumor survival, metastases and bone damage in experimental osteosarcoma</a>	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
<a href="#">The GLP-1R agonist semaglutide reshapes pancreatic cancer associated fibroblasts reducing collagen proline hydroxylation and favoring T lymphocyte infiltration</a>	Journal of Experimental and Clinical Cancer Research		2025	Chiara, Cencioni, Silvia, Malatesta, Virginia, Vigiano Benedetti, Valerio, Licursi, Livia, Perfetto, Federica, Conte, Danilo, Ranieri, Armando, Bartolazzi, Martina, Kunkl, Loretta, Tuosto, Alberto, Larghi, Geny, Piro, Antonio, Agostini, Giampaolo, Tortora, Vincenzo, Corbo, Carmine, Carbone, Francesco, Spallotta	No
<a href="#">Local characterization of collagen architecture and mechanical properties of tissue engineered atherosclerotic plaque cap analogs</a>	Acta Biomaterialia		2025	Hanneke, Crielaard, Tamar B., Wissing, Su, Guvenir Torun, Gert Jan, Kremers, Pablo, de Miguel, Rammadusha M., Hengst, Frank J.H., Gijssen, Ali C., Akyildiz, Kim, van der Heiden	No
<a href="#">Non-invasive estimation of left ventricular chamber stiffness using cardiovascular magnetic resonance and echocardiography</a>	Journal of Cardiovascular Magnetic Resonance		2025	Ida Marie, Hauge-Iversen, Einar S., Nordén, Arne Olav, Melleby, Linn, Espeland, Lili, Zhang, Ivar, Sjaastad, Emil Knut Stenersen, Espe	No
<a href="#">MARCH5 ameliorates aortic valve calcification via RACGAP1-DRP1 associated mitochondrial quality control</a>	Biochimica et Biophysica Acta - Molecular Cell Research		2025	Jialiang, Zhang, Yaoyu, Zhang, Wenhua, Lei, Jing, Zhou, Yanjian, Xu, Zhou, Hao, Yanbiao, Liao, Fangyang, Huang, Mao, Chen	No
<a href="#">Steatohepatitis-induced vascular niche alterations promote melanoma metastasis</a>	Cancer & Metabolism		2025	Johannes, Hoffmann, Julia, Schüler, Bianca, Dietsch, Sina Wietje, Kürschner-Zacharias, Carsten, Sticht, Felix A., Trogisch, Maren, Schreitmüller, Tinja, Baljkas, Kai, Schledzewski, Manuel, Reinhart, Sebastian A., Wohlfel, Manuel, Winkler, Christian David, Schmid, Joerg, Heineke, Cyrill, Gérard, Sergij, Goerd, Philipp-Sebastian, Reiners-Koch, Victor, Olsavszky	No
<a href="#">Biomimetic nanostructural materials based on placental amniotic membrane-derived nanofibers for self-healing and anti-adhesion during cesarean section</a>	Biomaterials		2025	Honglei, Zhu, Fenghua, Liu, Yuru, Liao, Huayan, Li, Kunjie, Gao, Xiaomei, Liang, Haoyuan, Jiang, Feng, Chen, Jianwei, Wu, Qian, Wang, Yifeng, Wang, Xintao, Shuai, Xiao, Yi	No
<a href="#">Fractionated low-dose radiotherapy primes the tumor microenvironment for immunotherapy in a murine mesothelioma model</a>	Cancer Immunology, Immunotherapy		2025	Rebecca A., D'Alonzo, Synat, Keam, Suki, Gill, Pejman, Rowshanfarzad, Anna K., Nowak, Martin A., Ebert, Alistair M., Cook	No
<a href="#">Limiting serine availability during tumor progression promotes muscle wasting in cancer cachexia</a>	Cell Death Discovery		2024	Erica, Pranzini, Livio, Muccillo, 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

Title	Journal	Link	Publication date	References	Top Paper
<a href="#">Ablation of Hepatic Asah1 Gene Disrupts Hepatic Lipid Homeostasis and Promotes Fibrotic Nonalcoholic Steatohepatitis in Mice</a>	American Journal of Pathology		2025	Rui, Zuo, Mi, Wang, Yun Ting, Wang, Yang Ping, ShenTu, Alexandra K., Moura, Ying, Zhou, Kiana, Roudbari, Jenny Z., Hu, Pin Lan, Li, Jiu Kuan, Hao, Xiang, Li, Yang, Zhang	No
<a href="#">Ultrasound-guided interstitial photothermal therapy generates improved treatment responses in a 9464D model of neuroblastoma</a>	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
<a href="#">Serotonin 3 receptor antagonism reduces angiotensin II-induced abdominal aortic aneurysms: Contribution of periaortic fat-derived serotonin</a>	Journal of Pharmacology and Experimental Therapeutics		2025	Yasir, AlSiraj, Charles M., Ensor, Victoria, English, Analia, Loria, Heba, Ali, Lisa A., Cassis	No
<a href="#">Gold nanomaterials capped with bovine serum albumin for cell and extracellular vesicle imaging</a>	Nanotechnology		2025	Re Wen, Wu, Yu Han, Lin, Cheng Hsiu, Lu, Chia Hao, Su, Yu Shan, Chen, Feng Sheng, Wang, Wei Shiung, Lian	No
<a href="#">Endogenous C-type natriuretic peptide offsets the pathogenesis of steatohepatitis, hepatic fibrosis, and portal hypertension</a>	PNAS Nexus		2025	Cristina, Perez-Tenero, Wenhao, Li, Aisah A., Aubdool, Robert D., Goldin, John, Loy, Kalpana, Devalia, William, Alazawi, Adrian J., Hobbs	No
<a href="#">Low-Intensity Focused Ultrasound-Responsive Phase-Change Nanodroplets to Remodel Macrophage Polarization and Enhance PD-L1 Blockade Therapy</a>	Small Structures		2025	Qin, Zhang, Ci, Yin, Junjie, Liu, Hua, Yang, Yanping, Zhang, Qiaoxi, Qin, Nianhong, Wu, Rui, Tang, Yuting, Cao, Min, Zheng, Hongye, He, Hongmei, Dong, Yang, Zhou, Jianli, Ren, Zhengju, Ren, Pan, Li	No