Title	Journal	Link	Publication date	References	Top Paper
Endothelial cells drive organ fibrosis in mice by inducing expression of the transcription factor SOX9	Science Translational Medicine	https://www.science.org/doi/10.1126/scitranslmed.abq4581	2024	Felix A, Trogisch, Aya, Abouissa, Merve, Keles, Anne, Birke, Manuela, Fuhrmann, Gesine M, Dittrich, Nina, Weinzierl, Elvira, Wink, Julio, Cordero, Adel, Elsherbiny, Abel, Martin-Garrido, Steve, Grein, Shruthi, Hemanna, Ellen, Hofmann, Luka, Nicin, Sofia-Iris, Bibli, Rannar, Airik, Andreas, Kispert, Ralf, Kist, Sun, Quanchao, Sina W., Kürschner, Manuel, Winkler, Norbert, Gretz, Carolin, Mogler, Thomas, Korff, Philipp-Sebastian, Koch, Stefanie, Dimmeler, Gergana, Dobreva, Joerg, Heineke	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, Caius, 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
Quantitative Functional Evaluation of Liver Fibrosis in Mice with Dynamic Contrast-enhanced Photoacoustic Imaging	Radiology	https://doi.org/10.1148/radiol.2021204134	2021	Jing, Lv, Yue, Xu, Ling, Xu, Liming, Nie	Yes
Photoacoustic Imaging for Assessing Tissue Oxygenation Changes in Rat Hepatic Fibrosis	Diagnostics	https://doi.org/10.3390/diagnostics10090705	2020	Mrigendra B., Karmacharya, Laith R., Sultan, Brooke M., Kirkham, Angela K., Brice, Andrew K.W., Wood, Chandra M., Sehgal	Yes
Scattering Signatures of Normal versus Abnormal Livers with Support Vector Machine Classification	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562920303574	2020	Jihye, Baek, Sedigheh S., Poul, Terri A., Swanson, Theresa, Tuthill, Kevin J., Parker	Yes
Imaging-based vascular-related biomarkers for early detection of acetaminophen-induced liver injury	Theranostics	http://www.thno.org/v10p6715.htm	2020	Haolu, Wang, Leslie J, Burke, Jatin, Patel, Brian WC., Tse, Kim R, Bridle, Victoria C, Cogger, Xinxing, Li, Xin, Liu, Haotian, Yang, Darrell H G, Crawford, Michael S, Roberts, Wenchao, Gao, Xiaowen, Liang	Yes
B-mode ultrasound for the assessment of hepatic fibrosis: a quantitative multiparametric analysis for a radiomics approach	Scientific Reports	http://www.nature.com/articles/s41598-019-45043-z	2019	Julia C., D'Souza, Laith R., Sultan, Stephen J., Hunt, Susan M., Schultz, Angela K., Brice, Andrew K. W., Wood, Chandra M., Sehgal	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, Vollaire, Yves, Usson, Jean-Luc, Coll, Véronique, Josserand	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

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Erythropoietin and long-acting erythropoiesis stimulating agent ameliorate non-alcoholic fatty liver disease by increasing lipolysis and decreasing lipogenesis via EPOR/STAT pathway	Biochemical and Biophysical Research Communications	https://doi.org/10.1016/j.bbrc.2018.12.131	2019	Yusuke, Tsuma, Jun, Mori, Takeshi, Ota, Yasuhiro, Kawabe, Hidechika, Morimoto, Shota, Fukuhara, Kazuki, Kodo, Atsushi, Umemura, Hisakazu, Nakajima, Hajime, Hosoi	Yes
Utilizing Contrast-Enhanced Ultrasound Imaging for Evaluating Fatty Liver Disease Progression in Pre-clinical Mouse Models	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562918304411	2018	Harshul, Pandit, Joseph P., Tinney, Yan, Li, Guozhen, Cui, Suping, Li, Bradley B., Keller, Robert C.G., Martin	Yes
Serological biomarkers associate ultrasound characteristics of steatohepatitis in mice with liver cancer	Nutrition and Metabolism	https://doi.org/10.1186/s12986-018-0304-9	2018	Guozhen, Cui, Robert C., Martin, Xingkai, Liu, Qianqian, Zheng, Harshul, Pandit, Ping, Zhang, Wei, Li, Yan, Li	Yes
Image Monitoring of the Impaired Phagocytic Activity of Kupffer Cells and Liver Oxygen Saturation in a Mouse Cholangitis Model Using Contrast-Enhanced Ultrasound Imaging and Photoacoustic Imaging	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2017.05.022	2017	Seunghyun, Lee, Jung Hoon, Kim, Jae Hwan, Lee, Seo Youn, Choi	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/doifinder/10.1038/nmeth1059	2007	Wolfram, Goessling, Trista E, North, Leonard I, Zon	Yes
High-Frequency Ultrasound Imaging for Longitudinal Evaluation of Non-Alcoholic Fatty Liver Disease Progression in Mice	Ultrasound in Medicine & Biology	http://www.ncbi.nlm.nih.gov/pmc/articles/PMC3118979/pdf/nihms292852.pdf	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
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, Lacefield, Ann F, Chambers	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, Lacefield	Yes
Photoacoustic Imaging for Liver Disease: The Systems and the Molecules	Biosensors	https://www.mdpi.com/2079-6374/16/9/497	2026	Bowen, Jiang, Zhixian, Lin, Xiaoquan, Yang	No
Lithocholic acid-activated VDR in macrophages promotes HCC recurrence post-ablation via SOCS3-mediated suppression of CXCL16	Journal for ImmunoTherapy of Cancer	https://doi.org/10.1136/jitc-2026-015177	2026	Rumei, Li, Wanrong, Luo, Zhaoxi, Li, Sui, Zheng, Man, Luo, Qiuxia, Wei, Xiaotong, Zhu, Wenyue, Zhang, Baoming, Luo	No
Inhibiting B cells enhances the efficacy of STING agonism or immune checkpoint blockade in hepatocellular carcinoma	Nature Communications	https://doi.org/10.1038/s41467-025-66581-3	2025	Xin, Liu, Zelong, Liu, Chengzhan, Zhu, Tatsuya, Kobayashi, Pin Ji, Lei, Yue, Shi, Dandan, Yuan, Jianguo, Wang, Min, Li, Aya, Matsui, Kassiana, Mafra, Tomofumi, Ando, Ken, Kojo, Rieke, Schleinhege, Kento, Miyazaki, Peigen, Huang, Ming, Kuang, Lloyd, Bod, Dan G., Duda	No

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Extracellular vesicles from Yiguanjian-primed bone-marrow mesenchymal stem cells ameliorate chronic liver fibrosis via miR-7045-5p	Stem Cell Research and Therapy	https://doi.org/10.1186/s13287-025-04780-x	2025	Zhejun, Liu, Xiaodan, Jiang, Hongjie, You, Zuoqing, Tang, Yun, Ma, Niancong, Che, Chongyang, Ma, Wenlan, Liu	No
Targeting the Notch1-YY1-ICAM1 Signaling Axis Enhances the Efficacy of Immunotherapy in HCC by Activating CD8+ T-Cell-Driven Cancer Cell Pyroptosis	Advanced Science	https://doi.org/10.1002/advs.202512845	2025	Ke, Zhu, Fa Peng, Zhang, Chao, Qin, Zhi Xiao, Song, Cai Ni, Yang, Shu Sheng, Lin, Xian Huan, Yu, Wen Rui, Wu, Chao Qun, Liu, Chao, Liu, Lei Bo, Xu	No
Targeting tumor-intrinsic BCL9 reverses immunotherapy resistance by eliciting macrophage-mediated phagocytosis and antigen presentation	Nature Communications	https://doi.org/10.1038/s41467-025-65945-z	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
Demonstration of SLU7 as a new cancer target	Biomedicine and Pharmacotherapy	https://doi.org/10.1016/j.biopha.2025.118854	2025	Carla, Rojo, Aaron, Otero, Maria, Elizalde, Maria, Azkona, Roberto, Barbero, Maria U., Latasa, Iker, Uriarte, Alvaro, Gutierrez-Uzquiza, Diego, Alignani, Laura, Guembe, Amaia, Lujambio, Fernando, Pastor, Maite G., Fernández-Barrena, Matias A., Ávila, Maria, Arechederra, Carmen, Berasain	No
Inflammatory Factors Derived From Metabolic Dysfunction-Alcoholic Fatty Liver Disease: Inducers of Anxiety and Spatial Memory Impairment	Mediators of Inflammation	https://doi.org/10.1155/mi/5555342	2026	Tian Tian, Peng, Yu, Shi, Rui, Yu, Yu Xin, Nie, Yan, Mu, Tong, Jin, Jia Ni, Zhang, Xu, Wang, Qian, Hua, Yan, Tan	No
Theranostic nanoplatform for high-performance dual-modal magnetic resonance imaging-guided therapy of orthotopic hepatocellular carcinoma	BMEMat	https://doi.org/10.1002/bmm2.70061	2026	Jiayin, Lin, Wenbo, Chen, Xiuqi, Hou, Kai, Wang, Fan, Liu, Ruling, Zhang, Zhong, Cao, Jian, Zheng	No
Mapping Microvascular Flow via Radon Transform Ultrasound: Technical Advances and Pilot Application	BME Frontiers	https://spj.science.org	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
Nelumbinis Plumula Attenuates High-Fat-induced Inflammation in Non-Alcoholic Fatty Liver Through The NOX/NF-κB Pathway	Journal of Ethnopharmacology	https://doi.org/10.1016/j.jep.2025.120663	2025	Xiaoxue, Zhao, Shan, Lin, Jing, Wang, Shiying, Wu, Chenxi, Ren, Xu, Sun, Dawei, Lian, Xinlan, Xu, Jingjing, Wu, Shujuan, Zhang, Jianwei, Zeng, Yulong, Zhang, Chunjiang, Tan, Daxin, Chen	No
Double gene overexpression of ZNF746 and cellular prion protein in rat adipose-derived mesenchymal stromal cell therapy protects the liver against ischemia–reperfusion injury	Cell Transplantation	https://doi.org/10.1177/09636897251381882	2025	Sheung Fat, Ko, Chi Ruei, Huang, John Y., Chiang, Yi Ling, Chen, Hon Kan, Yip	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

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Spleen-liver dual accumulation of ly6clowExo potentiates synergistic immune modulation for liver fibrosis therapy	Nano Today	https://doi.org/10.1016/j.nantod.2024.102422	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
Influence of Phase Change Droplet Activation and Microbubble Cavitation on the Microenvironment of Hepatocellular Carcinoma	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2024.05.015	2024	Hebah A., Falatah, Quezia, Lacerda, Corinne E., Wessner, Standley, Lo, Margaret A., Wheatley, Ji Bin, Liu, John R., Eisenbrey	No
Carrier-free nanoparticles based on natural products trigger dual “synergy and attenuation” for enhanced phototherapy of liver cancer	Materials Today Bio	https://doi.org/10.1016/j.mtbio.2025.102278	2025	Xiongqin, Wang, Kunhui, Sun, Junlin, Dong, Yanli, Ge, Haifan, Liu, Xingyue, Jin, Xiao, Pei, Ping, Wang, Jianbing, Jiang, Tiejie, Wang, Xuelei, Hu, Shuguang, Yuan, Bing, Wang, Xie an, Yu	No
Epigenetic modulation with nanosatellite triggers tumoricidal immunity for hepatocellular carcinoma treatment	Nature Communications	https://www.nature.com/articles/s41467-025-61974-w	2025	Ying, Qu, Chen, Chen, Feifei, Sun, Shijia, Liu, Guozhi, Zhao, Zhongxi, Zhao, Chang, Liu, Xinyi, Jiang, Tao, Li	No
A “defend–attack and capture flag” strategy for cascade management of hepatic ischemia reperfusion injury	Chemical Engineering Journal	https://doi.org/10.1016/j.cej.2024.150501	2024	Wenze, Zhang, Zhuoxia, Shen, Chaoran, Li, Yumeng, Yang, Tiange, Zhang, Bo Yang, Yu, Xianchuang, Zheng, Jiangwei, Tian	No
Extracellular Matrix Stiffness-Induced Mechanotransduction of Capillarized Liver Sinusoidal Endothelial Cells	Pharmaceuticals	https://doi.org/10.3390/ph17050644	2024	Qingjuan, Wu, Quanmei, Sun, Qiang, Zhang, Ning, Wang, Wenliang, Lv, Dong, Han	No
Neutrophil extracellular traps formation may be involved in the association of propranolol with the development of portal vein thrombosis	Thrombosis Research	https://doi.org/10.1016/j.thromres.2024.04.030	2024	Xiangbo, Xu, Shixue, Xu, Yiyan, Zhang, Le, Wang, Chenghui, Yan, Zihua, Xu, Qingchun, Zhao, Xingshun, Qi	No
Aflatoxin B1-exposed hepatocyte-derived extracellular vesicles: Initiating hepatic stellate cell-mediated liver fibrosis through a p53-Parkin-dependent mitophagy pathway	Ecotoxicology and Environmental Safety	https://doi.org/10.1016/j.ecoenv.2024.116363	2024	Lei, Yang, Yun Lu, Gao, Shan, Jiang, Bo, Qian, Lin, Che, Jia Shen, Wu, Ze Bang, Du, Ming Zhu, Wang, Yun, Yang, Yu Chun, Lin, Gang, Liu, Zhong Ning, Lin	No
Rhein-based Pickering emulsion for hepatocellular carcinoma: Shaping the metabolic signaling and immunoactivation in transarterial chemoembolization	Aggregate	https://doi.org/10.1002/agt2.552	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
Lactoferrin as a therapeutic agent for attenuating hepatic stellate cell activation in thioacetamide-induced liver fibrosis	Biomedicine and Pharmacotherapy	https://doi.org/10.1016/j.biopha.2024.116490	2024	Tzu Yu, Pu, Kai Cheng, Chuang, Min Che, Tung, Chih Ching, Yen, Yu Hsuan, Chen, Abdulkadir, Cidem, Chu Hsun, Ko, Wei, Chen, Chuan Mu, Chen	No
RNA nanotherapeutics with fibrosis overexpression and retention for MASH treatment	Nature Communications	https://doi.org/10.1038/s41467-024-51571-8	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

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Pan-lysyl oxidase inhibition disrupts fibroinflammatory tumor stroma, rendering cholangiocarcinoma susceptible to chemotherapy	Hepatology Communications	https://doi.org/10.1097/HC9.0000000000000502	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
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
Phase-change ultrasound contrast agents for proton range verification: towards an in vivo application	Physics in Medicine and Biology	https://doi.org/10.1088/1361-6560/ad7e76	2024	Bram, Carlier, Sophie V., Heymans, Gonzalo, Collado-Lara, Luigi, Musetta, Marcus, Ingram, Yosra, Toumia, Gaio, Paradossi, Hendrik J., Vos, Tania, Roskams, Jan, D'hooge, Koen, Van Den Abeele, Edmond, Sterpin, Uwe, Himmelreich	No
Quantitative pharmacodynamics functional evaluation of Chinese medicine Qizhu formula in mice with dynamic near-infrared photoacoustic imaging	Photoacoustics	https://doi.org/10.1016/j.pacs.2024.100667	2025	Qing Juan, Wu, Lan Yu, Chen, Quan Mei, Sun, Ning, Wang, Dong, Han, Wen Liang, Lv	No
Placental growth factor modulates endothelial NO production and exacerbates experimental hepatopulmonary syndrome	JHEP Reports	https://doi.org/10.1016/j.jhepr.2024.101297	2025	Fabien, Robert, Feriel, Benchenouf, My Ngoc, Ha, Alessandra, Cuomo, Mina, Ottaviani, Maxime, Surbier, Raphaël, Thuillet, Corinne, Normand, Florent, Dumont, Céline, Verstuyft, Frederic, Fiore, Frederic, Guinut, Marc, Humbert, Audrey, Coilly, Emmanuel, Gonzales, Olivier, Sitbon, Ly, Tu, Christophe, Guignabert, Laurent, Savale	No
Steatohepatitis-induced vascular niche alterations promote melanoma metastasis	Cancer & Metabolism	https://doi.org/10.1186/s40170-025-00374-6	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., Wohlfeil, Manuel, Winkler, Christian David, Schmid, Joerg, Heineke, Cyrill, Géraud, Sergij, Goerdt, Philipp-Sebastian, Reiners-Koch, Victor, Olsavszky	No
Ablation of Hepatic Asah1 Gene Disrupts Hepatic Lipid Homeostasis and Promotes Fibrotic Nonalcoholic Steatohepatitis in Mice	American Journal of Pathology	https://doi.org/10.1016/j.ajpath.2024.11.003	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

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Endogenous C-type natriuretic peptide offsets the pathogenesis of steatohepatitis, hepatic fibrosis, and portal hypertension	PNAS Nexus	https://doi.org/10.1093/pnasnexus/pgae579	2025	Cristina, Perez-Ternero, Wenhao, Li, Aisah A., Aubdool, Robert D., Goldin, John, Loy, Kalpana, Devalia, William, Alazawi, Adrian J., Hobbs	No
USP24 upregulation stabilizes PKA-Cα to promote lipogenesis, inflammation, and fibrosis during MASH progression	Journal of Biomedical Science	https://doi.org/10.1186/s12929-025-01148-4	2025	Beh, Ning, Shao An, Wang, Ming Jer, Young, Yung Ching, Chen, Yun, Hung, Tran Thu, Huong, Wen Chang, Chang, Yi Ching, Wang, Ming Lung, Yu, Kai Cheng, Hsu, Jan Jong, Hung	No
PEGylated gas vesicles: a promising novel ultrasound contrast agent for diagnosis and guiding radiofrequency ablation of liver tumor	Journal of Nanobiotechnology	https://doi.org/10.1186/s12951-025-03377-z	2025	Kezhi, Yu, Yongquan, Huang, Yuanyuan, Wang, Qunyan, Wu, Zihang, Wang, Fei, Li, Jianri, Chen, Maierhaba, Yibulayin, Shushan, Zhang, Zhongzhen, Su, Fei, Yan	No
Partial hepatectomy accelerates colorectal metastasis by priming an inflammatory premetastatic niche in the liver	Frontiers in Immunology	https://doi.org/10.3389/fimmu.2024.1388272	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, Laessle, Andreas, Jud, Hannes Philipp, Neeff, Philipp Anton, Holzner, Stefan, Fichtner-Feigl, Rebecca, Kesselring	No
GPA33-pretargeted radioimmunotherapy with mono- and bivalent DOTA-based Lu-177-labeled radiohaptens in a mouse orthotopic liver xenograft model of metastatic human colorectal cancer	Theranostics	https://doi.org/10.7150/thno.107209	2025	Alexandre B., Le Roux, Edward K., Fung, Sang Gyu, Lee, Sebastien, 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
Protocol for establishing liver tumors via ultrasound-guided intrahepatic injection prior partial hepatic resection in a mouse model	STAR Protocols	https://doi.org/10.1016/j.xpro.2024.103341	2024	Shadin, Ghabra, Rajiv, Trehan, Francisco, Rodriguez-Matos, Chi, Ma, Tim F., Greten	No
Omics-based investigation of pathological liver injury induced by Echinococcus multilocularis infection in mice	Acta Tropica	https://doi.org/10.1016/j.actatropica.2023.107083	2024	Liangliang, Chang, Ming, Li, Yazhou, Zhu, Yong, Fu, Tao, Li, Jiaqing, Zhao, Yongxue, Lv, Cuiying, Zhang, Mingxing, Zhu, Zihua, Li, Wei, Zhao	No
Exosome-Related FTCD Facilitates M1 Macrophage Polarization and Impacts the Prognosis of Hepatocellular Carcinoma	Biomolecules	https://doi.org/10.3390/biom14010041	2024	Youyi, Liu, Yifei, Tang, Hongliang, Jiang, Xiading, Zhang, Xingyi, Chen, Jingrou, Guo, Cheng, Jin, Minchen, Wu	No
PPARα is one of the key targets for dendrobine to improve hepatic steatosis in NAFLD	Journal of Ethnopharmacology	https://doi.org/10.1016/j.jep.2023.117684	2024	Yanzhe, Xu, Miao, Wang, Yi, Luo, Hao, Liu, Hua, Ling, Yuqi, He, Yanliu, Lu	No
Non-viral in vivo cytidine base editing in hepatocytes using focused ultrasound targeted microbubbles	Molecular Therapy - Nucleic Acids	https://doi.org/10.1016/j.omtn.2023.07.032	2023	Cynthia D., Anderson, Jennifer Ataam, Arthur, Yuan, Zhang, Nike, Bharucha, Ioannis, Karakikes, Ralph V., Shohet	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	https://doi.org/10.1016/j.jare.2023.06.006	2023	Yumin, Qiu, Ben, Che, Wenming, Zhang, Jin, Ge, Dongnian, Du, Jiajuan, Li, Xiaogang, Peng, Jianghua, Shao	No

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Simultaneous imaging of ultrasonic relative backscatter and attenuation coefficients for quantitative liver steatosis assessment	Scientific Reports	https://doi.org/10.1038/s41598-023-33964-9	2023	José, Timaná, Hector, Chahuara, Lokesh, Basavarajappa, Adrian, Basarab, Kenneth, Hoyt, Roberto, Lavarello	No
Loss of hepatic PPARα in mice causes hypertension and cardiovascular disease	American Journal of Physiology-Regulatory, Integrative and Comparative Physiology	https://doi.org/10.1152/ajpregu.00057.2023	2023	Olufunto O., Badmus, Zachary A., Kipp, Evelyn A., Bates, Alexandre A., da Silva, Lucy C., Taylor, Genesee J., Martinez, Wang-Hsin, Lee, Justin F., Creeden, Terry D., Hinds, David E., Stec	No
SerpinB3 as hepatic marker of post-resective shear stress	Updates in Surgery	https://doi.org/10.1007/s13304-023-01531-6	2023	Enrico, Gringeri, Gianmarco, Villano, Silvia, Brocco, Marina, Polacco, Fiorella, Calabrese, David, Sacerdoti, Umberto, Cillo, Patrizia, Pontisso	No
A strategy of local hydrogen capture and catalytic hydrogenation for enhanced therapy of chronic liver diseases	Theranostics	https://doi.org/10.7150/thno.80494	2023	Geru, Tao, Feng, Liu, Zhaokui, Jin, Boyan, Liu, Hao, Wang, Daosheng, Li, Wei, Tang, Yuan, Chen, Qianjun, He, Shucun, Qin	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, Sauceda, Manasi, Das, Carolyn, Moderbacher, Mansur, Ghani, Nicholas, Webster, Isabel, Newton	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, Eunkyeong, Jung, Consuelo, Sauceda, Tyler, Mandt, Sourabh, Shukla, Nicholas J.G., Webster, Nicole F., Steinmetz, Isabel G., Newton	No
Generation of liver metastases in a mouse model using ultrasound-guided intravenous injection	STAR Protocols	https://doi.org/10.1016/j.xpro.2023.102163	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, Caius, Radu, Timothy, Donahue	No
IFNa Potentiates Anti-PD-1 Efficacy by Remodeling Glucose Metabolism in the Hepatocellular Carcinoma Microenvironment	Cancer Discovery	https://doi.org/10.1158/2159-8290.CD-21-1022	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
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
Targeting PI3Kγ/AKT Pathway Remodels LC3-Associated Phagocytosis Induced Immunosuppression After Radiofrequency Ablation	Advanced Science	https://doi.org/10.1002/advs.202102182	2022	Xiaodi, Liu, Wenyue, Zhang, Yanni, Xu, Xiaolin, Xu, Qiongchao, Jiang, Jingliang, Ruan, Ye, Wu, Yingshi, Zhou, Phei Er, Saw, Baoming, Luo	No

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Curcumin alleviates hepatic steatosis by improving mitochondrial function in postnatal overfed rats and fatty L02 cells through the SIRT3 pathway	Food and Function	https://doi.org/10.1039/d1fo03752h	2022	Susu, Du, Xiaolei, Zhu, Nan, Zhou, Wen, Zheng, Wei, Zhou, Xiaonan, Li	No
A Class of Biocompatible Dye-Protein Complex Optical Nanoprobes	ACS Nano	https://doi.org/10.1021/acsnano.1c06536	2022	Xindong, Wang, Xinyu, Wang, Bo, Qu, Nuernisha, Alifu, Ji, Qi, Ruiyuan, Liu, Qinrui, Fu, Ruifang, Shen, Qi, Xia, Lijun, Wu, Bing, Sun, Jibin, Song, Youping, Lin, Xin, Huang, Anjun, Qin, Jun, Qian, Ben Zhong, Tang, Guanying, Chen	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
Assessment of hepatic function, perfusion and parenchyma attenuation with indocyanine green, ultrasound and computed tomography in a healthy rat model: Preliminary determination of baseline parameters in a healthy liver	PLoS ONE	https://doi.org/10.1371/journal.pone.0261447	2021	Victor, Lopez-Lopez, Nuria, Garcia-Carrillo, Diego, de Gea, Lidia, Oltra, Carlos Alberto, González-Bermúdez, Guillermo, Carbonell, Roberto, Brusadin, Asunción, Lopez-Conesa, Ricardo, Robles-Campos	No
Liver steatosis is a component of the hepatocardiorenal syndrome provoked by a high-lipid diet and activation of Ang II pathways in rats		https://doi.org/10.20944/preprints202112.0193.v1	2021	Thuany, Crisóstomo, Marco A E, Pardal, Simone A, Herdy, Humberto, Muzi-filho, Debora B, Mello	No
iRGD Peptide-Mediated Liposomal Nanoparticles with Photoacoustic/Ultrasound Dual-Modality Imaging for Precision Theranostics Against Hepatocellular Carcinoma	International journal of nanomedicine	https://doi.org/10.2147/IJN.S325891	2021	Huipu, Li, Shasha, Shi, Meng, Wu, Wei, Shen, Jianli, Ren, Zhechuan, Mei, Haitao, Ran, Zhigang, Wang, Yi, Tian, Jian, Gao, Hongyun, Zhao	No
Ultrasound-Guided Microbubble-Mediated Locoregional Delivery of Multiple MicroRNAs Improves Chemotherapy in Hepatocellular Carcinoma	Nanotheranostics	https://doi.org/10.7150/ntno.63320	2022	Huaijun, Wang, Zhongqian, Hu, Uday Kumar, Sukumar, Rajendran J.C., Bose, Arsenii, Telichko, Jeremy J., Dahl, Ramasamy, Paulmurugan	No
GM-CSF drives myelopoiesis, recruitment and polarisation of tumour-associated macrophages in cholangiocarcinoma and systemic blockade facilitates antitumour immunity	Gut	https://doi.org/10.1136/gutjnl-2021-324109	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, Juviler, Jessica Millian, Keilson, 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
Clusters of Ultrasound Scattering Parameters for the Classification of Steatotic and Normal Livers	Ultrasound in Medicine and Biology	https://doi.org/10.1016/j.ultrasmedbio.2021.06.010	2021	Jihye, Baek, Sedigheh S., Poul, Lokesh, Basavarajappa, Shreya, Reddy, Haowei, Tai, Kenneth, Hoyt, Kevin J., Parker	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

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NIR-II Photoacoustic Reporter for Biopsy-Free and Real-Time Assessment of Wilson's Disease	Small	https://doi.org/10.1002/smll.202008061	2021	Qinrui, Fu, Jiamin, Ye, Juejun, Wang, Naishun, Liao, Hongjuan, Feng, Lichao, Su, Xiaoguang, Ge, Huanghao, Yang, Jibin, Song	No
FOSL1 promotes cholangiocarcinoma via transcriptional effectors that could be therapeutically targeted	Journal of Hepatology	https://doi.org/10.1016/j.jhep.2021.03.028	2021	Adrián, Vallejo, Oihane, Erice, Rodrigo, Entrialgo-Cadierno, Iker, Feliu, Elizabeth, Guruceaga, Maria J., Perugorria, Paula, Olaizola, Alexandra, Muggli, Irati, Macaya, Michael, O'Dell, Borja Ruiz-Fernandez de, Cordoba, Sergio, Ortiz-Espinosa, Aram F., Hezel, Imanol, Arozarena, Fernando, Lecanda, Matias A., Avila, Maite G., Fernández-Barrena, Matthias, Evert, Mariano, Ponz-Sarvise, Diego F., Calvisi, Jesus M., Banales, Silve, Vicent	No
A Pegylated Flavin Adenine Dinucleotide PEG Complex to Boost Immunogenic and Therapeutic Effects in a Liver Cancer Model	Nanotheranostics	https://doi.org/10.7150/ntno.59290	2021	Celia, Arib, Hui, Liu, Qiqian, Liu, Anne Marie, Cieutat, Didier, Paleni, Xiaowu, Li, Jolanda, Spadavecchia	No
Measurement of total liver blood flow in intact anesthetized rats using ultrasound imaging	Pharmacology Research and Perspectives	https://doi.org/10.1002/prp2.731	2021	Christopher R., Gibson, Alexa, Gleason, Eric, Messina	No
n-3 PUFAs protect against adiposity and fatty liver by promoting browning in postnatally overfed male rats: a role for NRG4	Journal of Nutritional Biochemistry	https://doi.org/10.1016/j.jnutbio.2021.108628	2021	Fan, Yang, Nan, Zhou, Xiaolei, Zhu, Cuiting, Min, Wei, Zhou, Xiaonan, Li	No
Targeting EphA2 suppresses hepatocellular carcinoma initiation and progression by dual inhibition of JAK1/STAT3 and AKT signaling	Cell Reports	https://doi.org/10.1016/j.celrep.2021.108765	2021	Hao, Wang, Wei, Hou, Aldeb, Perera, Carlee, Bettler, Jordan R., Beach, Xianzhong, Ding, Jun, Li, Mitchell F., Denning, Asha, Dhanarajan, Scott J., Cotler, Cara, Joyce, Jun, Yin, Fowsiyo, Ahmed, Lewis R., Roberts, Wei, Qiu	No
Photoacoustic monitoring of oxygenation changes induced by therapeutic ultrasound in murine hepatocellular carcinoma	Scientific Reports	https://doi.org/10.1038/s41598-021-83439-y	2021	Mrigendra B., Karmacharya, Laith R., Sultan, Chandra M., Sehgal	No
Placental growth factor promotes tumour desmoplasia and treatment resistance in intrahepatic cholangiocarcinoma	Gut	https://doi.org/10.1136/gutjnl-2020-322493	2021	Shuichi, Aoki, Koetsu, Inoue, Sebastian, Klein, Stefan, Halvorsen, Jiang, Chen, Aya, Matsui, Mohammad R., Nikmaneshi, Shuji, Kitahara, Tai, Hato, Xianfeng, Chen, Kazumichi, Kawakubo, Hadi T., Nia, Ivy, Chen, Daniel H., Schanne, Emilie, Mamessier, Kohei, Shigeta, Hiroto, Kikuchi, Rakesh R., Ramjiawan, Tyge C.E., Schmidt, Masaaki, Iwasaki, Thomas, Yau, Theodore S., Hong, Alexander, Quaas, Patrick S., Plum, Simona, Dima, Irinel, Popescu, Nabeel, Bardeesy, Lance L., Munn, Mitesh J., Borad, Slim, Sassi, Rakesh K., Jain, Andrew X., Zhu, Dan G., Duda	No

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Regorafenib combined with PD1 blockade increases CD8 T-cell infiltration by inducing CXCL10 expression in hepatocellular carcinoma	Journal for ImmunoTherapy of Cancer	https://doi.org/10.1136/jitc-2020-001435	2020	Kohei, Shigeta, Aya, Matsui, Hiroto, Kikuchi, Sebastian, Klein, Emilie, Mamessier, Ivy X., Chen, Shuichi, Aoki, Shuji, Kitahara, Koetsu, Inoue, Ayako, Shigeta, Tai, Hato, Rakesh R., Ramjiawan, Daniel, Staiculescu, Dieter, Zopf, Lukas, Fiebig, Gabriela S., Hobbs, Alexander, Quaas, Simona, Dima, Irinel, Popescu, Peigen, Huang, Lance L., Munn, Mark, Cobbold, Lipika, Goyal, Andrew X., Zhu, Rakesh K., Jain, Dan G., Duda	No
Multiparametric ultrasound imaging for the assessment of normal versus steatotic livers	Scientific Reports	https://doi.org/10.1038/s41598-021-82153-z	2021	Lokesh, Basavarajappa, Jihye, Baek, Shreya, Reddy, Jane, Song, Haowei, Tai, Girdhari, Rijal, Kevin J., Parker, Kenneth, Hoyt	No
An application of multivariate data analysis to photoacoustic imaging for the spectral unmixing of gold nanorods in biological tissues	Nanomaterials	https://doi.org/10.3390/nano11010142	2021	Mirko, Maturi, Paolo, Armanetti, Luca, Menichetti, Mauro Comes, Franchini	No
Remote ischemic preconditioning attenuates hepatic ischemia/reperfusion injury after hemorrhagic shock by increasing autophagy	International Journal of Medical Sciences	https://doi.org/10.7150/ijms.51268	2021	Hao, Zhou, Lin, Li, Hao, Sun, Hua, Li, Yuxuan, Wu, Xiaomin, Zhang, Jinsong, Zhang	No
Experimental Myocardial Infarction Elicits Time-Dependent Patterns of Vascular Hypoxia in Peripheral Organs and in the Brain	Frontiers in Cardiovascular Medicine	https://www.frontiersin.org/articles/10.3389/fcvm.2020.615507/full	2021	Hélène, David, Aurore, Ughetto, Philippe, Gaudard, Maëlle, Plawecki, Nitchawat, Paiyabhroma, Emma, Zub, Pascal, Colson, Sylvain, Richard, Nicola, Marchi, Pierre, Sicard	No
Automated thermal imaging for the detection of fatty liver disease	Scientific Reports	https://doi.org/10.1038/s41598-020-72433-5	2020	Rafael Y., Brzezinski, Lapaz, Levin-Kotler, Neta, Rabin, Zehava, Ovadia-Blechman, Yair, Zimmer, Adi, Sternfeld, Joanna Molad, Finchelman, Razan, Unis, Nir, Lewis, Olga, Tepper-Shaihov, Nili, Naftali-Shani, Nora, Balint-Lahat, Michal, Safran, Ziv, Ben-Ari, Ehud, Grossman, Jonathan, Leor, Oshrit, Hoffer	No
Prophylactical low dose whole-liver irradiation inhibited colorectal liver metastasis by regulating hepatic niche in mice	OncoTargets and Therapy	https://doi.org/10.2147/OTT.S263858	2020	Lu, Wang, Yinan, Sun, Xiaoxiao, Luo, Hu, Han, Han, Yin, Ben, Zhao, Xinyi, Chen, Qianqian, Yu, Hong, Qiu, Xianglin, Yuan	No
Contrast-enhanced ultrasound imaging for assessing organ perfusion in rainbow trout (Oncorhynchus mykiss)	Science of the Total Environment	https://doi.org/10.1016/j.scitotenv.2020.141231	2021	Una, Goncin, Ngoc, Ton, Ashwin, Reddy, Ahmed, El Kaffas, Markus, Brinkmann, Steven, Machtaler	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
Reduction of Polyunsaturated Fatty Acids with Tumor Progression in a Lean Non-Alcoholic Steatohepatitis-Associated Hepatocellular Carcinoma Mouse Model	Journal of Cancer	https://doi.org/10.7150/jca.48495	2020	Elizabeth M, Vlock, Shilpa, Karanjit, Geoffrey, Talmon, Paraskevi A, Farazi	No

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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
Targeted beta therapy of prostate cancer with 177Lu-labelled Miltuximab® antibody against glypican-1 (GPC-1)	EJNMMI Research	https://ejnmmires.springeropen.com/articles/10.1186/s13550-020-00637-x	2020	Mei-Chun, Yeh, Brian W. C., Tse, Nicholas L., Fletcher, Zachary H., Houston, Maria, Lund, Marianna, Volpert, Chelsea, Stewart, Kamil A., Sokolowski, Varinder, Jeet, Kristofer J., Thurecht, Douglas H., Campbell, Bradley J., Walsh, Colleen C., Nelson, Pamela J., Russell	No
Electron paramagnetic resonance spectroscopy reveals alterations in the redox state of endogenous copper and iron complexes in photodynamic stress-induced ischemic mouse liver	Redox Biology	https://doi.org/10.1016/j.redox.2020.101566	2020	Monika A, Jakubowska, Janusz, Pyka, Dominika, Michalczyk-Wetula, Krzysztof, Baczyński, Maciej, Cieśla, Anna, Susz, Paweł E, Ferdek, Beata K., Płonka, Leszek, Fiedor, Przemysław M, Płonka	No
Rosiglitazone ameliorates bile duct ligation-induced liver fibrosis by down-regulating NF-κB-TNF-α signaling pathway in a PPARγ-dependent manner	Biochemical and Biophysical Research Communications	https://linkinghub.elsevier.com/retrieve/pii/S0006291X19318121	2019	Zhuo, Wei, Dan, Zhao, Ye, Zhang, Yuanli, Chen, Shuang, Zhang, Qi, Li, Peng, Zeng, Xiaoju, Li, Wenwen, Zhang, Yajun, Duan, Jihong, Han, Xiaoxiao, Yang	No
Hyperdynamic circulatory syndrome in a mouse model transgenic for SerpinB3	Annals of Hepatology	https://doi.org/10.1016/j.aohep.2019.06.021	2020	Gianmarco, Villano, Alberto, Verardo, Andrea, Martini, Silvia, Brocco, Paola, Pesce, Erica, Novo, Maurizio, Parola, David, Sacerdoti, Marco, Di Pascoli, Marny, Fedrigo, Chiara, Castellani, Annalisa, Angelini, Patrizia, Pontisso, Massimo, Bolognesi	No
Research paper microbubble enhanced ultrasound for the antivascular treatment and monitoring of hepatocellular carcinoma	Nanotheranostics	https://doi.org/10.7150/ntno.39514	2019	Julia C., D'Souza, Laith R., Sultan, Stephen J., Hunt, Terence P., Gade, Mrigendra B., Karmacharya, Susan M., Schultz, Angela K., Brice, Andrew K.W., Wood, Chandra M., Sehgal	No
GRIM-19 over-expression represses the proliferation and invasion of orthotopically implanted hepatocarcinoma tumors associated with downregulation of Stat3 signaling	BioScience Trends	https://www.jstage.jst.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
Simulation of gastric bypass effects on glucose metabolism and non-alcoholic fatty liver disease with the Sleeveballoon device	EBioMedicine	https://doi.org/10.1016/j.ebiom.2019.07.069	2019	James, Casella-Mariolo, Lidia, Castagneto-Gissey, Giulia, Angelini, Andrea, Zoli, Pierluigi, Marini, Stefan R., Bornstein, Dimitri J., Pournaras, Francesco, Rubino, Carel W., le Roux, Geltrude, Mingrone, Giovanni, Casella	No
Development of orthotopic tumour models using ultrasound-guided intrahepatic injection	Scientific Reports	http://www.nature.com/articles/s41598-019-46410-6	2019	L. E., McVeigh, I., Wijetunga, N., Ingram, G., Marston, R., Prasad, A. F., Markham, P. L., Coletta	No

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Imaging of X-Ray-Excited Emissions from Quantum Dots and Biological Tissue in Whole Mouse	Scientific Reports	http://www.nature.com/articles/s41598-019-55769-5	2019	Sean G., Ryan, Matthew N., Butler, Segun S., Adeyemi, Tammy, Kalber, P. Stephen, Patrick, May, Zaw Thin, Ian F., Harrison, Daniel J., Stuckey, Martin, Pule, Mark F., Lythgoe	No
Mitochondria-targeted antioxidant mitoquinone attenuates liver inflammation and fibrosis in cirrhotic rats	American Journal of Physiology-Gastrointestinal and Liver Physiology	https://www.physiology.org/doi/10.1152/ajpgi.00135.2019	2020	Saadet, Turkseven, Massimo, Bolognesi, Alessandra, Brocca, Paola, Pesce, Paolo, Angeli, Marco, Di Pascoli	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.201902331R	2020	Anna, Laitakari, Riikka, Huttunen, Paula, Kuvaja, Pauliina, Hannuksela, Zoltan, Szabo, Minna, Heikkilä, Risto, Kerkelä, Johanna, Myllyharju, Elitsa Y., Dimova, Raisa, Serpi, Peppi, Koivunen	No
Novel application and serial evaluation of tissue-engineered portal vein grafts in a murine model	Regenerative Medicine	https://www.futuremedicine.com/doi/10.2217/rme-2017-0021	2017	Mark W., Maxfield, Mitchel R., Stacy, Hirotsugu, Kurobe, Shuhei, Tara, Tai, Yi, Muriel A., Cleary, Zhen W., Zhuang, Manuel I., Rodriguez-Davalos, Sukru H., Emre, Yasuko, Iwakiri, Toshiharu, Shinoka, Christopher K., Breuer	No
Quantitative Ultrasound in Ex Vivo Fibrotic Rabbit Livers	Ultrasound in Medicine & Biology	https://linkinghub.elsevier.com/retrieve/pii/S0301562919300808	2019	Emilie, Franceschini, Jean-Michel, Escoffre, Anthony, Novell, Laurent, Auboire, Vanda, Mendes, Yanis M., Benane, Ayache, Bouakaz, Olivier, Basset	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
Effect of tanshinone IIA on oxidative stress and apoptosis in a rat model of fatty liver	Experimental and Therapeutic Medicine	http://www.spandidos-publications.com/10.3892/etm.2017.5162	2017	Guan-Lin, Yang, Lian-Qun, Jia, Jin, Wu, Yi-Xin, Ma, Hui-Min, Cao, Nan, Song, Ni, Zhang	No
Metabotropic glutamate receptor 5 mediates the suppressive effect of 6-OHDA-induced model of Parkinson's disease on liver cancer	Pharmacological Research	http://linkinghub.elsevier.com/retrieve/pii/S1043661816312907	2017	Shao-Song, Xi, Xiao-Xu, Bai, Li, Gu, Li-Hui, Bao, Hui-Min, Yang, Wei, An, Xiao-Min, Wang, Hong, Zhang	No
Establishment of a new acute-on-chronic liver failure model	Acta Pharmaceutica Sinica B	http://linkinghub.elsevier.com/retrieve/pii/S2211383516301307	2016	Fangfang, Li, Luyang, Miao, Hua, Sun, Yuyang, Zhang, Xiuqi, Bao, Dan, Zhang	No