

Title	Journal	Link	Publication date	References	Top Paper
Integrated response of the zebrafish (Danio rerio) cardiovascular system to hypoxia acclimation			2025	Elizabeth A, Manchester, Todd E, Gillis	No
Histone deacetylase 9-mediated phenotypic transformation of vascular smooth muscle cells is a potential target for treating aortic aneurysm/dissection	Biomedicine and Pharmacotherapy		2024	Zhiqiao, Dang, Haijie, Li, Shishan, Xue, Baowei, Shao, Yansong, Ning, Guohai, Su, Fengquan, Zhang, Wenqian, Yu, Shuai, Leng	No
Ganlu formula ethyl acetate extract (GLEE) blocked the development of experimental arthritis by inhibiting NLRP3 activation and reducing M1 type macrophage polarization	Journal of Ethnopharmacology		2024	Shijie, Zhang, Bao, Hou, Anjing, Xu, Yuanyuan, Wen, Xuexue, Zhu, Weiwei, Cai, Zhijun, Han, Jing, Chen, Tsedien, Nhamdriel, Ma, Mi, Liying, Qiu, Haijian, Sun	No
Exploring the role of myeloperoxidase in the atherosclerotic process in hypoxic mice based on the MAPK signaling pathway	Biochemical Pharmacology		2024	Jingxuan, Zhang, Ying, Han, Ruhan, Jia, Qinfang, Zhu, Xiaozhou, Wang, Meiheng, Liu, Wei, Zhang	No

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DNA-sensing inflammasomes cause recurrent atherosclerotic stroke	Nature		2024	Jiayu, Cao, Stefan, Roth, Sijia, Zhang, Anna, Kopczak, Samira, Mami, Yaw, Asare, Marios K., Georgakis, Denise, Messerer, Amit, Horn, Ruth, Shemer, Charlene, Jacqmarcq, Audrey, Picot, Jack P., Green, Christina, Schlegl, Xinghai, Li, Lukas, Tomas, Alexander, Dutsch, Thomas G., Liman, Matthias, Endres, Saskia R., Wernsdorf, Christina, Fürle, Olga, Carofiglio, Jie, Zhu, David, Brough, Inga, Zerr, Silke, Wunderlich, Annika, Spottke, Gabor, Petzold, Thomas G., Liman, Marios K., Georgakis, Matthias, Endres, Martin, Dichgans, Veit, Hornung, Martin, Dichgans, Denis, Vivien, Christian, Schulz, Yuval, Dor, Steffen, Tiedt, Hendrik B., Sager, Gerrit M., Grosse, Arthur, Liesz	No
Placental growth factor modulates endothelial NO production and exacerbates experimental hepatopulmonary syndrome	JHEP Reports		2025	Fabien, Robert, Ferial, Benchenouf, My Ngoc, Ha, Alessandra, Cuomo, Mina, Ottaviani, Maxime, Surbier, Raphaël, Thuillet, Corinne, Normand, Florent, Dumont, Céline, Verstuuyft, Frederic, Fiore, Frederic, Guinut, Marc, Humbert, Audrey, Coilly, Emmanuel, Gonzales, Olivier, Sitbon, Ly, Tu, Christophe, Guignabert, Laurent, Savale	No

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Antibody-based delivery of interleukin-2 modulates the immunosuppressive tumor microenvironment and achieves cure in pancreatic ductal adenocarcinoma syngeneic mice	Journal of Experimental and Clinical Cancer Research		2025	Carmine, Carbone, Roberto, De Luca, Emanuele, Puca, Antonio, Agostini, Alessia, Caggiano, Lorenzo, Priori, Annachiara, Esposito, Serena, Ascrizzi, Geny, Piro, Lisa, Salvatore, Francesco, De Sanctis, Stefano, Ugel, Vincenzo, Corbo, Dario, Neri, Giampaolo, Tortora	No
Wearable photobiomodulation halts thyroid cancer growth by leveraging thyroid photosensitivity	Bioengineering and Translational Medicine		2025	Changrui, Zhao, Kun, Fu, Jiameng, Tian, Tian, Long, Jianzhong, Song, Siyu, Chen, Chang, Liu	No
Cytomegalovirus Worsens Necrotizing Enterocolitis Severity in Mice via Increased Toll-Like Receptor 4 Signaling	CMGH		2025	Daniel, Scheese, Peng, Lu, Hannah, Moore, Koichi, Tsuboi, Cody, Tragesser, Johannes, Duess, Zachariah, Raouf, Maame F., Sampah, Daphne, Klerk, Mahmoud, El Baassiri, Hee seong, Jang, Sierra, Williams-McLeod, Asuka, Ishiyama, Steve N., Steinway, Sanxia, Wang, Menghan, Wang, Thomas, Prindle, William B., Fulton, Chhinder P., Sodhi, David J., Hackam	No
Circumferentially Aligned Electrospun Vascular Grafts Improves Its Vascular Regeneration and Remodeling in vivo	International Journal of Nanomedicine		2025	Man, Xiong, Lei, Yang, Xinfang, Liu, Sidong, Luo, Yeyang, Wang	No
Cardiac remodeling caused by cold acclimation is reversible with rewarming in zebrafish (Danio rerio)	Comparative Biochemistry and Physiology -Part A : Molecular and Integrative Physiology		2023	Jared B., Shaftoe, Elizabeth A., Manchester, Todd E., Gillis	No

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Comparable Impairment of Vascular Endothelial Function by a Wide Range of Electronic Nicotine Delivery Devices	Nicotine and Tobacco Research		2022	Poonam, Rao, Daniel D., Han, Kelly, Tan, Leila, Mohammadi, Ronak, Derakhshandeh, Mina, Navabzadeh, Natasha, Goyal, Matthew L., Springer	No
HILIC-MS-based metabolomics reveal that Astragalus polysaccharide alleviates doxorubicin-induced cardiomyopathy by regulating sphingolipid and glycerophospholipid homeostasis	Journal of Pharmaceutical and Biomedical Analysis	https://doi.org/10.1016/j.jpba.2021.114177	2021	Ya, Zhang, Qian, Zhou, Xin, Ding, Haibo, Wang, Guangguo, Tan	No
Schisandra chinensis polysaccharides prevent cardiac hypertrophy by dissociating thioredoxin-interacting protein/thioredoxin-1 complex and inhibiting oxidative stress	Biomedicine and Pharmacotherapy	https://doi.org/10.1016/j.biopha.2021.111688	2021	Xiaowen, Shi, Bingjiang, Han, Bin, Zhang, Zhenliang, Chu, Xueping, Zhang, Qin, Lu, Jibo, Han	No
Bortezomib alleviates myocardial ischemia reperfusion injury via enhancing of Nrf2/HO-1 signaling pathway	Biochemical and Biophysical Research Communications	https://doi.org/10.1016/j.bbrc.2021.03.154	2021	Chengxing, Liu, Jin, Zhou, Boyuan, Wang, Yuqi, Zheng, Shangwei, Liu, Wenling, Yang, Dazhu, Li, Shaolin, He, Jibin, Lin	No
Protocatechuic aldehyde protects cardiomyocytes against ischemic injury via regulation of nuclear pyruvate kinase M2	Acta Pharmaceutica Sinica B	https://doi.org/10.1016/j.apsb.2021.03.021	2021	Xunxun, Wu, Lian, Liu, Qiuling, Zheng, Haiping, Hao, Hui, Ye, Ping, Li, Hua, Yang	No
Untargeted metabolomics and lipidomics uncovering the cardioprotective effects of Huanglian Jiedu Decoction on pathological cardiac hypertrophy and remodeling	Journal of Ethnopharmacology	https://doi.org/10.1016/j.jep.2020.113646	2020	Qian-Qian, Chen, Feng-Xiang, Wang, Yuan-Yuan, Cai, Yan-Ke, Zhang, Jing-Kai, Fang, Lian-Wen, Qi, Lei, Zhang, Feng-Qing, Huang	No