

Yu-Qing Zhou

List of Publications by Year in descending order

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42
papers

2,147
citations

304743

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289244

40
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docs citations

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times ranked

3468
citing authors

#	ARTICLE	IF	CITATIONS
1	GLP-1R Agonist Liraglutide Activates Cytoprotective Pathways and Improves Outcomes After Experimental Myocardial Infarction in Mice. <i>Diabetes</i> , 2009, 58, 975-983.	0.6	491
2	Genetic Deletion or Pharmacological Inhibition of Dipeptidyl Peptidase-4 Improves Cardiovascular Outcomes After Myocardial Infarction in Mice. <i>Diabetes</i> , 2010, 59, 1063-1073.	0.6	249
3	Comprehensive transthoracic cardiac imaging in mice using ultrasound biomicroscopy with anatomical confirmation by magnetic resonance imaging. <i>Physiological Genomics</i> , 2004, 18, 232-244.	2.3	133
4	Integrin-Linked Kinase Expression Is Elevated in Human Cardiac Hypertrophy and Induces Hypertrophy in Transgenic Mice. <i>Circulation</i> , 2006, 114, 2271-2279.	1.6	116
5	Ultrahigh frame rate retrospective ultrasound microimaging and blood flow visualization in mice in vivo. <i>Ultrasound in Medicine and Biology</i> , 2006, 32, 683-691.	1.5	115
6	<i>c</i> Irroquois homeobox gene 3 establishes fast conduction in the cardiac His-Purkinje network. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 13576-13581.	7.1	109
7	Noninvasive Ultrasonic Measurement of Regional and Local Pulse-Wave Velocity in Mice. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 1368-1375.	1.5	75
8	Correlation Between Local Hemodynamics and Lesion Distribution in a Novel Aortic Regurgitation Murine Model of Atherosclerosis. <i>Annals of Biomedical Engineering</i> , 2011, 39, 1414-1422.	2.5	71
9	Tbx5-dependent pathway regulating diastolic function in congenital heart disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 5519-5524.	7.1	59
10	Endothelial Nitric Oxide Synthase Gene Expression During Murine Embryogenesis. <i>Circulation Research</i> , 2008, 103, 24-33.	4.5	55
11	Ultrasound-guided left-ventricular catheterization: a novel method of whole mouse perfusion for microimaging. <i>Laboratory Investigation</i> , 2004, 84, 385-389.	3.7	50
12	Differential HIF and NOS responses to acute anemia: defining organ-specific hemoglobin thresholds for tissue hypoxia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014, 307, R13-R25.	1.8	48
13	Spontaneous Adult-Onset Pulmonary Arterial Hypertension Attributable to Increased Endothelial Oxidative Stress in a Murine Model of Hereditary Hemorrhagic Telangiectasia. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 509-517.	2.4	47
14	Abnormal cardiac inflow patterns during postnatal development in a mouse model of Holt-Oram syndrome. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2005, 289, H992-H1001.	3.2	45
15	Deficiency of Natriuretic Peptide Receptor 2 Promotes Bicuspid Aortic Valves, Aortic Valve Disease, Left Ventricular Dysfunction, and Ascending Aortic Dilatations in Mice. <i>Circulation Research</i> , 2018, 122, 405-416.	4.5	42
16	Red blood cell antibody-induced anemia causes differential degrees of tissue hypoxia in kidney and brain. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 314, R611-R622.	1.8	38
17	Electrical remodelling precedes heart failure in an endothelin-1-induced model of cardiomyopathy. <i>Cardiovascular Research</i> , 2011, 89, 623-633.	3.8	36
18	Cardiac-enriched BAF chromatin-remodeling complex subunit Baf60c regulates gene expression programs essential for heart development and function. <i>Biology Open</i> , 2018, 7, .	1.2	33

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19	Aortic Regurgitation Dramatically Alters the Distribution of Atherosclerotic Lesions and Enhances Atherogenesis in Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2010, 30, 1181-1188.	2.4	32
20	Brain Sparing in Fetal Mice: BOLD MRI and Doppler Ultrasound Show Blood Redistribution During Hypoxia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 1082-1088.	4.3	32
21	ENU-induced Mutation in the DNA-binding Domain of KLF3 Reveals Important Roles for KLF3 in Cardiovascular Development and Function in Mice. <i>PLoS Genetics</i> , 2013, 9, e1003612.	3.5	28
22	Acoustic and Kinetic Behaviour of Definity in Mice Exposed to High Frequency Ultrasound. <i>Ultrasound in Medicine and Biology</i> , 2009, 35, 296-307.	1.5	27
23	Assessment of flow distribution in the mouse fetal circulation at late gestation by high-frequency Doppler ultrasound. <i>Physiological Genomics</i> , 2014, 46, 602-614.	2.3	25
24	Functional and anatomical evidence of cerebral tissue hypoxia in young sickle cell anemia mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 994-1005.	4.3	23
25	Placental vascular abnormalities in the mouse alter umbilical artery wave reflections. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2019, 316, H664-H672.	3.2	17
26	Robust method for 3D arterial spin labeling in mice. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 98-106.	3.0	16
27	Evaluation of Cerebrovascular Impedance and Wave Reflection in Mouse by Ultrasound. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015, 35, 521-526.	4.3	14
28	Three-dimensional Gray Scale Volume Rendering of the Liver. <i>Journal of Ultrasound in Medicine</i> , 2002, 21, 961-970.	1.7	13
29	Ultrasound detection of altered placental vascular morphology based on hemodynamic pulse wave reflection. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H1021-H1029.	3.2	13
30	A mouse model of antepartum stillbirth. <i>American Journal of Obstetrics and Gynecology</i> , 2017, 217, 443.e1-443.e11.	1.3	12
31	SMC-Derived Hyaluronan Modulates Vascular SMC Phenotype in Murine Atherosclerosis. <i>Circulation Research</i> , 2021, 129, 992-1005.	4.5	12
32	Evaluation of Bi-ventricular Coronary Flow Patterns Using High-Frequency Ultrasound in Mice with Transverse Aortic Constriction. <i>Ultrasound in Medicine and Biology</i> , 2013, 39, 2053-2065.	1.5	11
33	Morphological and Functional Evaluation of Murine Heterotopic Cardiac Grafts Using Ultrasound Biomicroscopy. <i>Ultrasound in Medicine and Biology</i> , 2007, 33, 870-879.	1.5	10
34	Brain Development and Heart Function after Systemic Single-Agent Chemotherapy in a Mouse Model of Childhood Leukemia Treatment. <i>Clinical Cancer Research</i> , 2018, 24, 6040-6052.	7.0	10
35	Inputs for Subject-Specific Computational Fluid Dynamics Simulation of Blood Flow in the Mouse Aorta. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 101008.	1.3	8
36	Maternal obesity persistently alters cardiac progenitor gene expression and programs adult-onset heart disease susceptibility. <i>Molecular Metabolism</i> , 2021, 43, 101116.	6.5	8

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37	Effects of velocity distribution, diameter measurement and velocity tracing on the accuracy of cardiac output measurement by pulsed doppler echocardiography in the aortic annulus of pigs. <i>Ultrasound in Medicine and Biology</i> , 1997, 23, 177-185.	1.5	7
38	Deletion of type VIII collagen reduces blood pressure, increases carotid artery functional distensibility and promotes elastin deposition. <i>Matrix Biology Plus</i> , 2021, 12, 100085.	3.5	6
39	Genetic mouse models of autism spectrum disorder present subtle heterogenous cardiac abnormalities. <i>Autism Research</i> , 2022, 15, 1189-1208.	3.8	6
40	A retrospective method for pulse-wave velocity measurement in the mouse. , 0, , .		3
41	In Vivo Evaluation of the Cardiovascular System of Mouse Embryo and Fetus Using High Frequency Ultrasound. <i>Methods in Molecular Biology</i> , 2018, 1752, 17-39.	0.9	1
42	Degree of Retrograde Flow and Its Effect on Local Hemodynamics and Plaque Distribution in an Aortic Regurgitation Murine Model of Atherosclerosis. , 2011, , .		1