

Yu-Fang Jin

List of Publications by Year in descending order

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Version: 2024-02-01

39
papers

1,660
citations

361296
20
h-index

477173
29
g-index

39
all docs

39
docs citations

39
times ranked

2246
citing authors

#	ARTICLE	IF	CITATIONS
1	Matrix Metalloproteinase-28 Deletion Exacerbates Cardiac Dysfunction and Rupture After Myocardial Infarction in Mice by Inhibiting M2 Macrophage Activation. <i>Circulation Research</i> , 2013, 112, 675-688.	2.0	187
2	Matrix metalloproteinase-9 deletion attenuates myocardial fibrosis and diastolic dysfunction in ageing mice. <i>Cardiovascular Research</i> , 2012, 96, 444-455.	1.8	145
3	A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. <i>Journal of the American College of Cardiology</i> , 2015, 66, 1364-1374.	1.2	145
4	Transformative Impact of Proteomics on Cardiovascular Health and Disease. <i>Circulation</i> , 2015, 132, 852-872.	1.6	140
5	Age-related cardiac muscle sarcopenia: Combining experimental and mathematical modeling to identify mechanisms. <i>Experimental Gerontology</i> , 2008, 43, 296-306.	1.2	99
6	Deriving a cardiac ageing signature to reveal MMP-9-dependent inflammatory signalling in senescence. <i>Cardiovascular Research</i> , 2015, 106, 421-431.	1.8	79
7	CD36 Is a Matrix Metalloproteinase-9 Substrate That Stimulates Neutrophil Apoptosis and Removal During Cardiac Remodeling. <i>Circulation: Cardiovascular Genetics</i> , 2016, 9, 14-25.	5.1	78
8	Multi-Analyte Profiling Reveals Matrix Metalloproteinase-9 and Monocyte Chemotactic Protein-1 as Plasma Biomarkers of Cardiac Aging. <i>Circulation: Cardiovascular Genetics</i> , 2011, 4, 455-462.	5.1	71
9	Transgenic overexpression of matrix metalloproteinase-9 in macrophages attenuates the inflammatory response and improves left ventricular function post-myocardial infarction. <i>Journal of Molecular and Cellular Cardiology</i> , 2012, 53, 599-608.	0.9	70
10	Classification of Cancer Types Using Graph Convolutional Neural Networks. <i>Frontiers in Physics</i> , 2020, 8, .	1.0	64
11	Mathematical modeling and stability analysis of macrophage activation in left ventricular remodeling post-myocardial infarction. <i>BMC Genomics</i> , 2012, 13, S21.	1.2	62
12	Myocardial Infarction Superimposed on Aging: MMP-9 Deletion Promotes M2 Macrophage Polarization. <i>Journals of Gerontology - Series A Biological Sciences and Medical Sciences</i> , 2016, 71, 475-483.	1.7	62
13	Combining experimental and mathematical modeling to reveal mechanisms of macrophage-dependent left ventricular remodeling. <i>BMC Systems Biology</i> , 2011, 5, 60.	3.0	56
14	Matrix Metalloproteinase-28 Deletion Amplifies Inflammatory and Extracellular Matrix Responses to Cardiac Aging. <i>Microscopy and Microanalysis</i> , 2012, 18, 81-90.	0.2	56
15	Cardiac aging is initiated by matrix metalloproteinase-9-mediated endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014, 306, H1398-H1407.	1.5	51
16	<i>P. gingivalis</i> lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 76, 218-226.	0.9	41
17	Bayesian parameter estimation for nonlinear modelling of biological pathways. <i>BMC Systems Biology</i> , 2011, 5, S9.	3.0	39
18	Detection of high variability in gene expression from single-cell RNA-seq profiling. <i>BMC Genomics</i> , 2016, 17, 508.	1.2	39

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19	Aliskiren and valsartan mediate left ventricular remodeling post-myocardial infarction in mice through MMP-9 effects. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 326-335.	0.9	33
20	Prediction and interpretation of cancer survival using graph convolution neural networks. <i>Methods</i> , 2021, 192, 120-130.	1.9	29
21	Stability analysis of genetic regulatory network with additive noises. <i>BMC Genomics</i> , 2008, 9, S21.	1.2	19
22	Deep learning tackles single-cell analysis—a survey of deep learning for scRNA-seq analysis. <i>Briefings in Bioinformatics</i> , 2022, 23, .	3.2	19
23	Mathematical modeling of left ventricular dimensional changes in mice during aging. <i>BMC Systems Biology</i> , 2012, 6, S10.	3.0	15
24	Using systems biology approaches to understand cardiac inflammation and extracellular matrix remodeling in the setting of myocardial infarction. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2014, 6, 77-91.	6.6	14
25	Deriving a Boolean dynamics to reveal macrophage activation with in vitro temporal cytokine expression profiles. <i>BMC Bioinformatics</i> , 2019, 20, 725.	1.2	12
26	Integrative Computational and Experimental Approaches to Establish a Post-Myocardial Infarction Knowledge Map. <i>PLoS Computational Biology</i> , 2014, 10, e1003472.	1.5	10
27	State feedback control design for Boolean networks. <i>BMC Systems Biology</i> , 2016, 10, 70.	3.0	7
28	Artificial Neural Network-Based Adaptive Voltage Regulation in Distribution Systems using Data-Driven Stochastic Optimization. , 2019, , .		6
29	Mathematical modeling of macrophage activation in left ventricular remodeling post-myocardial infarction. , 2011, , .		4
30	A biclustering approach to analyze drug effects on extracellular matrix remodeling post-myocardial infarction. , 2012, , .		4
31	A Review on Applications of Graph Theory in Network Analysis of Biological Processes. <i>International Journal of Intelligent Computing in Medical Sciences and Image Processing</i> , 2014, 6, 27-43.	0.5	2
32	Observability and sensor allocation for Boolean networks. , 2017, , .		1
33	MMP-9 dependent early biomarkers of cardiac aging. <i>FASEB Journal</i> , 2013, 27, 1194.5.	0.2	1
34	Adaptive estimation over distributed sensor networks with a hybrid algorithm. , 2012, , .		0
35	Parameter distribution estimation in first order ODE. , 2013, , .		0
36	Adaptive estimation of higher order harmonics from voltage source inverters. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
37	A Novel Steering Control for Car-Like Robots Based on Lyapunov Stability. , 2019, , .		0
38	Small Signal Modeling and Stability Analysis of Novel Grid Connected Z-Source Virtual Synchronous Generator (ZVSG). , 2020, , .		0
39	Combining Experimental and Mathematical Modeling to Reveal Mechanisms of Macrophageâ€Dependent Left Ventricular Remodeling. FASEB Journal, 2010, 24, 1060.1.	0.2	0