

Yu-Fang Jin

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

33
papers

1,203
citations

18
h-index

34
g-index

39
ext. papers

1,486
ext. citations

5.5
avg, IF

3.82
L-index

#	Paper	IF	Citations
33	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, 675-88	15.7	150
32	Matrix metalloproteinase-9 deletion attenuates myocardial fibrosis and diastolic dysfunction in ageing mice. <i>Cardiovascular Research</i> , 2012 , 96, 444-55	9.9	118
31	Transformative Impact of Proteomics on Cardiovascular Health and Disease: A Scientific Statement From the American Heart Association. <i>Circulation</i> , 2015 , 132, 852-72	16.7	112
30	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, 1364-74	15.1	101
29	Age-related cardiac muscle sarcopenia: Combining experimental and mathematical modeling to identify mechanisms. <i>Experimental Gerontology</i> , 2008 , 43, 296-306	4.5	77
28	Deriving a cardiac ageing signature to reveal MMP-9-dependent inflammatory signalling in senescence. <i>Cardiovascular Research</i> , 2015 , 106, 421-31	9.9	61
27	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		61
26	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	5.8	60
25	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, 475-83	6.4	53
24	Multi-analyte profiling reveals matrix metalloproteinase-9 and monocyte chemoattractant protein-1 as plasma biomarkers of cardiac aging. <i>Circulation: Cardiovascular Genetics</i> , 2011 , 4, 455-62		51
23	Matrix metalloproteinase-28 deletion amplifies inflammatory and extracellular matrix responses to cardiac aging. <i>Microscopy and Microanalysis</i> , 2012 , 18, 81-90	0.5	47
22	Cardiac aging is initiated by matrix metalloproteinase-9-mediated endothelial dysfunction. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2014 , 306, H1398-407	5.2	44
21	Mathematical modeling and stability analysis of macrophage activation in left ventricular remodeling post-myocardial infarction. <i>BMC Genomics</i> , 2012 , 13 Suppl 6, S21	4.5	38
20	Combining experimental and mathematical modeling to reveal mechanisms of macrophage-dependent left ventricular remodeling. <i>BMC Systems Biology</i> , 2011 , 5, 60	3.5	37
19	<i>P. gingivalis</i> lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. <i>Journal of Molecular and Cellular Cardiology</i> , 2014 , 76, 218-26	5.8	34
18	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, 326-35	5.8	30
17	Detection of high variability in gene expression from single-cell RNA-seq profiling. <i>BMC Genomics</i> , 2016 , 17 Suppl 7, 508	4.5	27

16	Bayesian parameter estimation for nonlinear modelling of biological pathways. <i>BMC Systems Biology</i> , 2011 , 5 Suppl 3, S9	3.5	18
15	Stability analysis of genetic regulatory network with additive noises. <i>BMC Genomics</i> , 2008 , 9 Suppl 1, S21	4.5	16
14	Classification of Cancer Types Using Graph Convolutional Neural Networks. <i>Frontiers in Physics</i> , 2020 , 8,	3.9	12
13	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	12
12	Mathematical modeling of left ventricular dimensional changes in mice during aging. <i>BMC Systems Biology</i> , 2012 , 6 Suppl 3, S10	3.5	11
11	Integrative computational and experimental approaches to establish a post-myocardial infarction knowledge map. <i>PLoS Computational Biology</i> , 2014 , 10, e1003472	5	9
10	Deriving a Boolean dynamics to reveal macrophage activation with in vitro temporal cytokine expression profiles. <i>BMC Bioinformatics</i> , 2019 , 20, 725	3.6	6
9	Prediction and interpretation of cancer survival using graph convolution neural networks. <i>Methods</i> , 2021 , 192, 120-130	4.6	5
8	A biclustering approach to analyze drug effects on extracellular matrix remodeling post-myocardial infarction 2012 ,		4
7	State feedback control design for Boolean networks. <i>BMC Systems Biology</i> , 2016 , 10 Suppl 3, 70	3.5	4
6	Observability and sensor allocation for Boolean networks 2017 ,		1
5	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		1
4	Mathematical modeling of macrophage activation in left ventricular remodeling post-myocardial infarction 2011 ,		1
3	MMP-9 dependent early biomarkers of cardiac aging. <i>FASEB Journal</i> , 2013 , 27, 1194.5	0.9	1
2	Artificial Neural Network-Based Adaptive Voltage Regulation in Distribution Systems using Data-Driven Stochastic Optimization 2019 ,		1
1	Combining Experimental and Mathematical Modeling to Reveal Mechanisms of Macrophage-Dependent Left Ventricular Remodeling. <i>FASEB Journal</i> , 2010 , 24, 1060.1	0.9	