Yu-Fang Jin

List of Publications by Year in Descending Order

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	Prediction and interpretation of cancer survival using graph convolution neural networks. *Methods*, **2021**, 192, 120-130	4.6	5
32	Classification of Cancer Types Using Graph Convolutional Neural Networks. *Frontiers in Physics*, **2020**, 8,	3.9	12
31	Deriving a Boolean dynamics to reveal macrophage activation with in vitro temporal cytokine expression profiles. *BMC Bioinformatics*, **2019**, 20, 725	3.6	6
30	Artificial Neural Network-Based Adaptive Voltage Regulation in Distribution Systems using Data-Driven Stochastic Optimization **2019**,		1
29	Observability and sensor allocation for Boolean networks **2017**,		1
28	Myocardial Infarction Superimposed on Aging: MMP-9 Deletion Promotes M2 Macrophage Polarization. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2016**, 71, 475-83	6.4	53
27	Detection of high variability in gene expression from single-cell RNA-seq profiling. *BMC Genomics*, **2016**, 17 Suppl 7, 508	4.5	27
26	CD36 Is a Matrix Metalloproteinase-9 Substrate That Stimulates Neutrophil Apoptosis and Removal During Cardiac Remodeling. *Circulation: Cardiovascular Genetics*, **2016**, 9, 14-25		61
25	State feedback control design for Boolean networks. *BMC Systems Biology*, **2016**, 10 Suppl 3, 70	3.5	4
24	Deriving a cardiac ageing signature to reveal MMP-9-dependent inflammatory signalling in senescence. *Cardiovascular Research*, **2015**, 106, 421-31	9.9	61
23	Transformative Impact of Proteomics on Cardiovascular Health and Disease: A Scientific Statement From the American Heart Association. *Circulation*, **2015**, 132, 852-72	16.7	112
22	A Novel Collagen Matricryptin Reduces Left Ventricular Dilation Post-Myocardial Infarction by Promoting Scar Formation and Angiogenesis. *Journal of the American College of Cardiology*, **2015**, 66, 1364-74	15.1	101
21	Aliskiren and valsartan mediate left ventricular remodeling post-myocardial infarction in mice through MMP-9 effects. *Journal of Molecular and Cellular Cardiology*, **2014**, 72, 326-35	5.8	30
20	Cardiac aging is initiated by matrix metalloproteinase-9-mediated endothelial dysfunction. *American Journal of Physiology - Heart and Circulatory Physiology*, **2014**, 306, H1398-407	5.2	44
19	P. gingivalis lipopolysaccharide intensifies inflammation post-myocardial infarction through matrix metalloproteinase-9. *Journal of Molecular and Cellular Cardiology*, **2014**, 76, 218-26	5.8	34
18	A Review on Applications of Graph Theory in Network Analysis of Biological Processes. *International Journal of Intelligent Computing in Medical Sciences and Image Processing*, **2014**, 6, 27-43		1
17	Using systems biology approaches to understand cardiac inflammation and extracellular matrix remodeling in the setting of myocardial infarction. *Wiley Interdisciplinary Reviews: Systems Biology and Medicine*, **2014**, 6, 77-91	6.6	12

16	Integrative computational and experimental approaches to establish a post-myocardial infarction knowledge map. *PLoS Computational Biology*, **2014**, 10, e1003472	5	9
15	Matrix metalloproteinase-28 deletion exacerbates cardiac dysfunction and rupture after myocardial infarction in mice by inhibiting M2 macrophage activation. *Circulation Research*, **2013**, 112, 675-88	15.7	150
14	MMP-9 dependent early biomarkers of cardiac aging. *FASEB Journal*, **2013**, 27, 1194.5	0.9	1
13	Transgenic overexpression of matrix metalloproteinase-9 in macrophages attenuates the inflammatory response and improves left ventricular function post-myocardial infarction. *Journal of Molecular and Cellular Cardiology*, **2012**, 53, 599-608	5.8	60
12	Mathematical modeling and stability analysis of macrophage activation in left ventricular remodeling post-myocardial infarction. *BMC Genomics*, **2012**, 13 Suppl 6, S21	4.5	38
11	Mathematical modeling of left ventricular dimensional changes in mice during aging. *BMC Systems Biology*, **2012**, 6 Suppl 3, S10	3.5	11
10	A biclustering approach to analyze drug effects on extracellular matrix remodeling post-myocardial infarction **2012**,		4
9	Matrix metalloproteinase-9 deletion attenuates myocardial fibrosis and diastolic dysfunction in ageing mice. *Cardiovascular Research*, **2012**, 96, 444-55	9.9	118
8	Matrix metalloproteinase-28 deletion amplifies inflammatory and extracellular matrix responses to cardiac aging. *Microscopy and Microanalysis*, **2012**, 18, 81-90	0.5	47
7	Combining experimental and mathematical modeling to reveal mechanisms of macrophage-dependent left ventricular remodeling. *BMC Systems Biology*, **2011**, 5, 60	3.5	37
6	Bayesian parameter estimation for nonlinear modelling of biological pathways. *BMC Systems Biology*, **2011**, 5 Suppl 3, S9	3.5	18
5	Mathematical modeling of macrophage activation in left ventricular remodeling post-myocardial infarction **2011**,		1
4	Multi-analyte profiling reveals matrix metalloproteinase-9 and monocyte chemotactic protein-1 as plasma biomarkers of cardiac aging. *Circulation: Cardiovascular Genetics*, **2011**, 4, 455-62		51
3	Combining Experimental and Mathematical Modeling to Reveal Mechanisms of Macrophage-Dependent Left Ventricular Remodeling. *FASEB Journal*, **2010**, 24, 1060.1	0.9	
2	Stability analysis of genetic regulatory network with additive noises. *BMC Genomics*, **2008**, 9 Suppl 1, S21	4.5	16
1	Age-related cardiac muscle sarcopenia: Combining experimental and mathematical modeling to identify mechanisms. *Experimental Gerontology*, **2008**, 43, 296-306	4.5	77