

# Rui Fa

## List of Publications by Year in descending order

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Version: 2024-02-01

44  
papers

806  
citations

933447

10  
h-index

839539

18  
g-index

54  
all docs

54  
docs citations

54  
times ranked

929  
citing authors

#	ARTICLE	IF	CITATIONS
1	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens. <i>Genome Biology</i> , 2019, 20, 244.	8.8	261
2	Reduced-Rank STAP Schemes for Airborne Radar Based on Switched Joint Interpolation, Decimation and Filtering Algorithm. <i>IEEE Transactions on Signal Processing</i> , 2010, 58, 4182-4194.	5.3	125
3	Predicting human protein function with multi-task deep neural networks. <i>PLoS ONE</i> , 2018, 13, e0198216.	2.5	58
4	Paradigm of Tunable Clustering Using Binarization of Consensus Partition Matrices (Bi-CoPaM) for Gene Discovery. <i>PLoS ONE</i> , 2013, 8, e56432.	2.5	48
5	Knowledge-aided STAP with sparse-recovery by exploiting spatio-temporal sparsity. <i>IET Signal Processing</i> , 2016, 10, 150-161.	1.5	39
6	Yeast gene <i>CMR1/YDL156W</i> is consistently co-expressed with genes participating in DNA-metabolic processes in a variety of stringent clustering experiments. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20120990.	3.4	30
7	Switched Interleaving Techniques with Limited Feedback for Interference Mitigation in DS-CDMA Systems. <i>IEEE Transactions on Communications</i> , 2011, 59, 1946-1956.	7.8	22
8	Distinct gene expression program dynamics during erythropoiesis from human induced pluripotent stem cells compared with adult and cord blood progenitors. <i>BMC Genomics</i> , 2016, 17, 817.	2.8	21
9	UNCLES: method for the identification of genes differentially consistently co-expressed in a specific subset of datasets. <i>BMC Bioinformatics</i> , 2015, 16, 184.	2.6	18
10	Comprehensive analysis of forty yeast microarray datasets reveals a novel subset of genes (APha-RiB) consistently negatively associated with ribosome biogenesis. <i>BMC Bioinformatics</i> , 2014, 15, 322.	2.6	12
11	Using deep maxout neural networks to improve the accuracy of function prediction from protein interaction networks. <i>PLoS ONE</i> , 2019, 14, e0209958.	2.5	11
12	Reduced-rank STAP algorithm for adaptive radar based on joint iterative optimization of adaptive filters. , 2008, , .		8
13	Direct Data Domain Sparsity-Based STAP Utilizing Subaperture Smoothing Techniques. <i>International Journal of Antennas and Propagation</i> , 2015, 2015, 1-10.	1.2	7
14	Reduced-rank STAP for MIMO radar based on joint iterative optimization of knowledge-aided adaptive filters. , 2009, , .		6
15	Clustering analysis for gene expression data: A methodological review. , 2012, , .		6
16	Generalised grouped minimum mean-squared error-based multi-stage interference cancellation scheme for orthogonal frequency division multiple access uplink systems with carrier frequency offsets. <i>IET Communications</i> , 2013, 7, 685-695.	2.2	6
17	SMART: Unique Splitting-While-Merging Framework for Gene Clustering. <i>PLoS ONE</i> , 2014, 9, e94141.	2.5	6
18	Knowledge-aided reduced-rank STAP for MIMO radar based on joint iterative constrained optimization of adaptive filters with multiple constraints. , 2010, , .		5

#	ARTICLE	IF	CITATIONS
19	Multiple feedback successive interference cancellation with shadow area constraints for MIMO systems. , 2010, , .		5
20	Reduced-Rank Linear Interference Suppression for DS-UWB Systems Based on Switched Approximations of Adaptive Basis Functions. IEEE Transactions on Vehicular Technology, 2011, 60, 485-497.	6.3	5
21	Multi-Branch Successive Interference Cancellation for MIMO Spatial Multiplexing Systems. , 2009, , .		4
22	Joint data detection and phase recovery for downlink MC-2D-CDMA systems. IEEE Transactions on Communications, 2009, 57, 2782-2789.	7.8	4
23	Generalized Phase Spatial Shift Keying Modulation for MIMO Channels. , 2011, , .		4
24	Enhanced SMART framework for gene clustering using successive processing. , 2013, , .		4
25	An enhanced splitting-while-merging algorithm with finite mixture models. , 2013, , .		4
26	Noise Resistant Generalized Parametric Validity Index of Clustering for Gene Expression Data. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2014, 11, 741-752.	3.0	4
27	Application of the Bi-CoPaM Method to Five Escherichia Coli Datasets Generated under Various Biological Conditions. Journal of Signal Processing Systems, 2015, 79, 159-166.	2.1	4
28	Parametric validity index of clustering for microarray gene expression data. , 2011, , .		3
29	Method for the identification of the subsets of genes specifically consistently co-expressed in a set of datasets. , 2013, , .		3
30	Identification of genes consistently co-expressed in multiple microarray datasets by a genome-wide Bi-CoPaM approach. , 2013, , .		3
31	Linear Interference Suppression for Spread Spectrum Systems with Switched Interleaving and Limited Feedback. , 2009, , .		2
32	Design of adaptive multi-branch SIC receivers for MIMO spatial multiplexing systems. , 2009, , .		2
33	Comprehensive analysis of multiple microarray datasets by binarization of consensus partition matrix. , 2012, , .		2
34	M-N scatter plots technique for evaluating varying-size clusters and setting the parameters of Bi-CoPaM and Uncles methods. , 2014, , .		2
35	Reduced-rank interference suppression for GPS systems based on adaptive basis-function approximation. , 2008, , .		1
36	Performance Analysis for MC-CDMA System in Impulsive Noise. , 2009, , .		1

#	ARTICLE	IF	CITATIONS
37	Reduced-rank STAP algorithm for adaptive radar based on basis-functions approximation. , 2009, , .		1
38	An adaptive LCMV beamforming algorithm based on dynamic selection of constraints. , 2010, , .		1
39	Kernel-based parametric validity index for assessing clusters from microarray gene expression data. , 2012, , .		1
40	Splitting-while-merging framework for clustering high-dimension data with component-wise expectation conditional maximisation. , 2014, , .		1
41	Scalable clustering based on enhanced-SMART for large-scale FMRI datasets. , 2015, , .		1
42	CoCE-SMART: Consensus clustering based on enhanced splitting-merging awareness tactics. , 2015, , .		1
43	Switched interleaving turbo codes with transmission of side information for short blocks. , 2010, , .		0
44	Network community degree based fast community detection algorithm for fMRI data. , 2016, , .		0