Hua Chai

List of Publications by Year
in descending order

25 papers	331 citations	933447 10 h-index	888059 17 g-index
28 all docs	28 docs citations	28 times ranked	339 citing authors

#	Article	IF	Citations
1	Integrating multi-omics data through deep learning for accurate cancer prognosis prediction. Computers in Biology and Medicine, 2021, 134, 104481.	7.0	68
2	Imputing missing RNA-sequencing data from DNA methylation by using a transfer learning–based neural network. GigaScience, 2020, 9, .	6.4	33
3	Deep learning-based ovarian cancer subtypes identification using multi-omics data. BioData Mining, 2020, 13, 10.	4.0	30
4	Cancer survival analysis using semi-supervised learning method based on Cox and AFT models with L1/2 regularization. BMC Medical Genomics, 2016, 9, 11.	1.5	26
5	Robust Sparse Logistic Regression With the L_{q} ($0 < ext{q} < 1$) Regularization for Feature Selection Using Gene Expression Data. IEEE Access, 2018, 6, 68586-68595.	4.2	22
6	A new semi-supervised learning model combined with Cox and SP-AFT models in cancer survival analysis. Scientific Reports, 2017, 7, 13053.	3.3	18
7	A novel logistic regression model combining semi-supervised learning and active learning for disease classification. Scientific Reports, 2018, 8, 13009.	3.3	15
8	Descriptor Selection via Log-Sum Regularization for the Biological Activities of Chemical Structure. International Journal of Molecular Sciences, 2018, 19, 30.	4.1	15
9	scAdapt: virtual adversarial domain adaptation network for single cell RNA-seq data classification across platforms and species. Briefings in Bioinformatics, 2021, 22, .	6.5	13
10	Identification of 13 blood-based gene expression signatures to accurately distinguish tuberculosis from other pulmonary diseases and healthy controls. Bio-Medical Materials and Engineering, 2015, 26, S1837-S1843.	0.6	11
11	The L1/2 regularization approach for survival analysis in the accelerated failure time model. Computers in Biology and Medicine, 2015, 64, 283-290.	7.0	11
12	Cancer survival prognosis with Deep Bayesian Perturbation Cox Network. Computers in Biology and Medicine, 2022, 141, 105012.	7.0	9
13	Application of L1/2 regularization logistic method in heart disease diagnosis. Bio-Medical Materials and Engineering, 2014, 24, 3447-3454.	0.6	7
14	An Adaptive Transfer-Learning-Based Deep Cox Neural Network for Hepatocellular Carcinoma Prognosis Prediction. Frontiers in Oncology, 2021, 11, 692774.	2.8	7
15	Complex harmonic regularization with differential evolution in a memetic framework for biomarker selection. PLoS ONE, 2019, 14, e0210786.	2.5	6
16	Detecting lncRNA–Cancer Associations by Combining miRNAs, Genes, and Prognosis With Matrix Factorization. Frontiers in Genetics, 2021, 12, 639872.	2.3	6
17	Predicting bladder cancer prognosis by integrating multi-omics data through a transfer learning-based Cox proportional hazards network. CCF Transactions on High Performance Computing, 2021, 3, 311-319.	1.7	6
18	Semi-Supervised Learning with Ensemble Self-Training for Cancer Classification. , 2018, , .		5

#	Article	IF	Citations
19	Multi-omics Cancer Prognosis Analysis Based on Graph Convolution Network. , 2021, , .		5
20	Robust sparse accelerated failure time model for survival analysis. Technology and Health Care, 2018, 26, 55-63.	1.2	2
21	A novel Log penalty in a path seeking scheme for biomarker selection. Technology and Health Care, 2019, 27, 85-93.	1.2	2
22	Low-rank and sparse matrix decomposition based on $S_{1/2}$ and $L_{1/2}$ regularizations in dynamic MRI. , 2016, , .		1
23	A greedy screening test strategy to accelerate solving LASSO problems with small regularization parameters. Soft Computing, 2020, 24, 5245-5253.	3.6	1
24	Image Super-Resolution Reconstruction via L1/2 and S1/2 Regularizations. , 2016, , .		0
25	A Genotype-Based Ensemble Classifier System for Non-Small-Cell Lung Cancer. IEEE Access, 2020, 8, 128509-128518.	4.2	0