

Ren Chu Guan

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

1,567
citations

304602

22
h-index

315616

38
g-index

68
all docs

68
docs citations

68
times ranked

1717
citing authors

#	ARTICLE	IF	CITATIONS
1	A content-based recommender system for computer science publications. Knowledge-Based Systems, 2018, 157, 1-9.	4.0	268
2	Text classification based on deep belief network and softmax regression. Neural Computing and Applications, 2018, 29, 61-70.	3.2	199
3	Text Clustering with Seeds Affinity Propagation. IEEE Transactions on Knowledge and Data Engineering, 2011, 23, 627-637.	4.0	84
4	Lunar impact crater identification and age estimation with Chang'e™ data by deep and transfer learning. Nature Communications, 2020, 11, 6358.	5.8	79
5	Multi-BP expert system for fault diagnosis of powersystem. Engineering Applications of Artificial Intelligence, 2013, 26, 937-944.	4.3	76
6	A Fuzzy-Statistics-Based Affinity Propagation Technique for Clustering in Multispectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2647-2659.	2.7	51
7	The Deep Learning-Based Recommender System "Pubmender" for Choosing a Biomedical Publication Venue: Development and Validation Study. Journal of Medical Internet Research, 2019, 21, e12957.	2.1	47
8	A comparative study for biomedical named entity recognition. International Journal of Machine Learning and Cybernetics, 2018, 9, 373-382.	2.3	40
9	A Fuzzy-Statistics-Based Principal Component Analysis (FS-PCA) Method for Multispectral Image Enhancement and Display. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3937-3947.	2.7	39
10	Deep Feature-Based Text Clustering and its Explanation. IEEE Transactions on Knowledge and Data Engineering, 2022, 34, 3669-3680.	4.0	39
11	Superpixel-Based Unsupervised Band Selection for Classification of Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 7230-7245.	2.7	38
12	Hyperspectral Band Selection for Lithologic Discrimination and Geological Mapping. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 471-486.	2.3	37
13	An Efficient Fault Diagnostic Method for Three-Phase Induction Motors Based on Incremental Broad Learning and Non-Negative Matrix Factorization. IEEE Access, 2019, 7, 17780-17790.	2.6	34
14	A Hybrid Swarm Intelligent Method Based on Genetic Algorithm and Artificial Bee Colony. Lecture Notes in Computer Science, 2010, , 558-565.	1.0	33
15	Image Captioning with Bidirectional Semantic Attention-Based Guiding of Long Short-Term Memory. Neural Processing Letters, 2019, 50, 103-119.	2.0	33
16	Dimension Reduction and Clustering Models for Single-Cell RNA Sequencing Data: A Comparative Study. International Journal of Molecular Sciences, 2020, 21, 2181.	1.8	33
17	Incremental and Decremental Affinity Propagation for Semisupervised Clustering in Multispectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2013, 51, 1666-1679.	2.7	31
18	A Feature-Metric-Based Affinity Propagation Technique for Feature Selection in Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2013, 10, 1152-1156.	1.4	31

#	ARTICLE	IF	CITATIONS
19	HetPathMine: A Novel Transductive Classification Algorithm on Heterogeneous Information Networks. Lecture Notes in Computer Science, 2014, , 210-221.	1.0	31
20	An integrated algorithm based on artificial bee colony and particle swarm optimization. , 2010, , .		30
21	Deep Residual Convolutional Neural Network for Protein-Protein Interaction Extraction. IEEE Access, 2019, 7, 89354-89365.	2.6	26
22	Relation path embedding in knowledge graphs. Neural Computing and Applications, 2019, 31, 5629-5639.	3.2	24
23	Discriminative Feature Metric Learning in the Affinity Propagation Model for Band Selection in Hyperspectral Images. Remote Sensing, 2017, 9, 782.	1.8	22
24	Spectral-Spatial Genetic Algorithm-Based Unsupervised Band Selection for Hyperspectral Image Classification. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 9616-9632.	2.7	22
25	Genomic analyses based on pulmonary adenocarcinoma in situ reveal early lung cancer signature. BMC Medical Genomics, 2018, 11, 106.	0.7	21
26	Overfitting Reduction of Text Classification Based on AdaBELM. Entropy, 2017, 19, 330.	1.1	17
27	MISC: missing imputation for single-cell RNA sequencing data. BMC Systems Biology, 2018, 12, 114.	3.0	16
28	Multi-label Deep Learning for Gene Function Annotation in Cancer Pathways. Scientific Reports, 2018, 8, 267.	1.6	15
29	Transcription Factor and lncRNA Regulatory Networks Identify Key Elements in Lung Adenocarcinoma. Genes, 2018, 9, 12.	1.0	15
30	A Distributed Multiple Populations Framework for Evolutionary Algorithm in Solving Dynamic Optimization Problems. IEEE Access, 2019, 7, 44372-44390.	2.6	15
31	Trends in Alzheimer's Disease Research Based upon Machine Learning Analysis of PubMed Abstracts. International Journal of Biological Sciences, 2019, 15, 2065-2074.	2.6	15
32	Weighted Summation: Feature Extraction of Farm Pigsty Data for Electronic Nose. IEEE Access, 2019, 7, 96732-96742.	2.6	11
33	Toward the precision breast cancer survival prediction utilizing combined whole genome-wide expression and somatic mutation analysis. BMC Medical Genomics, 2018, 11, 104.	0.7	10
34	An incremental affinity propagation algorithm and its applications for text clustering. , 2009, , .		9
35	International Natural Gas Price Trends Prediction with Historical Prices and Related News. Energies, 2022, 15, 3573.	1.6	9
36	Full Text Clustering and Relationship Network Analysis of Biomedical Publications. PLoS ONE, 2014, 9, e108847.	1.1	8

#	ARTICLE	IF	CITATIONS
37	PNMTA: A Pretrained Network Modulation and Task Adaptation Approach for User Cold-Start Recommendation. , 2022, , .		7
38	A hotspots analysis-relation discovery representation model for revealing diabetes mellitus and obesity. BMC Systems Biology, 2018, 12, 116.	3.0	6
39	Feature space learning model. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 2029-2040.	3.3	6
40	Decorrelationâ€“Separability-Based Affinity Propagation for Semisupervised Clustering of Hyperspectral Images. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2016, 9, 568-582.	2.3	5
41	Toward precision breast cancer survival prediction utilizing combined whole genome-wide expression and somatic mutation analysis. , 2017, , .		4
42	A Knowledge Base Completion Model Based on Path Feature Learning. International Journal of Computers, Communications and Control, 2018, 13, 71.	1.2	4
43	Superpixel-Level Global and Local Similarity Graph-Based Clustering for Large Hyperspectral Images. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-16.	2.7	3
44	COVID-19 Knowledge Graph for Drug and Vaccine Development. , 2021, , .		3
45	Comprehensive analysis of pulmonary adenocarcinoma in situ (AIS) revealed new insights into lung cancer progression. , 2017, , .		2
46	Invited talk: Developing deep multi-source intelligent learning that facilitates the advancement of single cell genomics research. , 2017, , .		2
47	Cancer Research Trend Analysis Based on Fusion Feature Representation. Entropy, 2021, 23, 338.	1.1	2
48	Facial Expression Decoding based on fMRI Brain Signal. International Journal of Computers, Communications and Control, 2019, 14, 475-488.	1.2	2
49	VPALG. , 2021, , .		2
50	Tri-mean-based statistical differential gene expression detection. International Journal of Data Mining and Bioinformatics, 2012, 6, 255.	0.1	1
51	A semisupervised feature metric based band selection method for hyperspectral image classification. , 2012, , .		1
52	Improving activated sludge classification based on imbalanced data. Journal of Hydroinformatics, 2014, 16, 1331-1342.	1.1	1
53	Relation discovery and hotspots analysis on diabetes mellitus and obesity with representation model. , 2017, , .		1
54	A Feature Space Learning Model Based on Semi-Supervised Clustering. , 2017, , .		1

#	ARTICLE	IF	CITATIONS
55	Secure Privacy Preserving across Personal Health Data and Single Cell Genomics Research INSPIRE Academic Pedagogy "Merging Big Data Multiplatform with Deep Learning. , 2017, , .		1
56	Social Network Analysis of the Bioinformatics Scholars. Journal of Bionanoscience, 2013, 7, 10-19.	0.4	1
57	A Chinese Medical Question Answering System Based on Knowledge Graph. , 2021, , .		1
58	Discovering trends and hotspots of biosafety and biosecurity research via machine learning. Briefings in Bioinformatics, 2022, 23, .	3.2	1
59	A New Algorithm for Planning with Resource-incompatible Actions. , 2006, , .		0
60	Protein-Protein Interaction Extraction Using Attention-Based Convolution Neural Networks. , 2017, , .		0
61	Kernel Feature Extraction for Hyperspectral Image Classification Using Chunklet Constraints. Computing and Informatics, 2017, 36, 205-222.	0.4	0
62	A Hybrid Algorithm of Extreme Learning Machine and Sparse Auto-Encoder. Lecture Notes in Computer Science, 2017, , 194-204.	1.0	0
63	Medical Scene Graphs and Reasoning. , 2021, , .		0
64	Acupuncture and Tuina Knowledge Graph for Ancient Literature of Traditional Chinese Medicine. , 2021, , .		0