

# Ren Chu Guan

## List of Publications by Year in Descending Order

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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.

48 papers	940 citations	18 h-index	29 g-index
68 ext. papers	1,269 ext. citations	4.4 avg, IF	4.57 L-index

#	Paper	IF	Citations
48	International Natural Gas Price Trends Prediction with Historical Prices and Related News. <i>Energies</i> , <b>2022</b> , 15, 3573	3.1	1
47	Superpixel-level Global and Local Similarity Graph-based Clustering for Large Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-1	8.1	1
46	Cancer Research Trend Analysis Based on Fusion Feature Representation. <i>Entropy</i> , <b>2021</b> , 23,	2.8	1
45	Spectral-Spatial Genetic Algorithm-Based Unsupervised Band Selection for Hyperspectral Image Classification. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2021</b> , 1-17	8.1	8
44	Hyperspectral Band Selection for Lithologic Discrimination and Geological Mapping. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2020</b> , 13, 471-486	4.7	20
43	Deep Feature-Based Text Clustering and Its Explanation. <i>IEEE Transactions on Knowledge and Data Engineering</i> , <b>2020</b> , 1-1	4.2	17
42	Lunar impact crater identification and age estimation with Chang'E data by deep and transfer learning. <i>Nature Communications</i> , <b>2020</b> , 11, 6358	17.4	30
41	Dimension Reduction and Clustering Models for Single-Cell RNA Sequencing Data: A Comparative Study. <i>International Journal of Molecular Sciences</i> , <b>2020</b> , 21,	6.3	18
40	. <i>IEEE Access</i> , <b>2019</b> , 7, 96732-96742	3.5	8
39	An Efficient Fault Diagnostic Method for Three-Phase Induction Motors Based on Incremental Broad Learning and Non-Negative Matrix Factorization. <i>IEEE Access</i> , <b>2019</b> , 7, 17780-17790	3.5	25
38	Feature space learning model. <i>Journal of Ambient Intelligence and Humanized Computing</i> , <b>2019</b> , 10, 2029-2040	3.7	4
37	A Distributed Multiple Populations Framework for Evolutionary Algorithm in Solving Dynamic Optimization Problems. <i>IEEE Access</i> , <b>2019</b> , 7, 44372-44390	3.5	12
36	Deep Residual Convolutional Neural Network for Protein-Protein Interaction Extraction. <i>IEEE Access</i> , <b>2019</b> , 7, 89354-89365	3.5	10
35	The Deep Learning-Based Recommender System "Pubmender" for Choosing a Biomedical Publication Venue: Development and Validation Study. <i>Journal of Medical Internet Research</i> , <b>2019</b> , 21, e12957	7.6	23
34	Trends in Alzheimer's Disease Research Based upon Machine Learning Analysis of PubMed Abstracts. <i>International Journal of Biological Sciences</i> , <b>2019</b> , 15, 2065-2074	11.2	8
33	Image Captioning with Bidirectional Semantic Attention-Based Guiding of Long Short-Term Memory.. <i>Neural Processing Letters</i> , <b>2019</b> , 50, 103-119	2.4	11
32	Relation path embedding in knowledge graphs. <i>Neural Computing and Applications</i> , <b>2019</b> , 31, 5629-5639	4.8	13

31	A comparative study for biomedical named entity recognition. <i>International Journal of Machine Learning and Cybernetics</i> , <b>2018</b> , 9, 373-382	3.8	24
30	Multi-label Deep Learning for Gene Function Annotation in Cancer Pathways. <i>Scientific Reports</i> , <b>2018</b> , 8, 267	4.9	11
29	Text classification based on deep belief network and softmax regression. <i>Neural Computing and Applications</i> , <b>2018</b> , 29, 61-70	4.8	137
28	Transcription Factor and lncRNA Regulatory Networks Identify Key Elements in Lung Adenocarcinoma. <i>Genes</i> , <b>2018</b> , 9,	4.2	7
27	Superpixel-Based Unsupervised Band Selection for Classification of Hyperspectral Images. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 7230-7245	8.1	28
26	A Knowledge Base Completion Model Based on Path Feature Learning. <i>International Journal of Computers, Communications and Control</i> , <b>2018</b> , 13, 71	3.6	4
25	Genomic analyses based on pulmonary adenocarcinoma in situ reveal early lung cancer signature. <i>BMC Medical Genomics</i> , <b>2018</b> , 11, 106	3.7	13
24	Toward the precision breast cancer survival prediction utilizing combined whole genome-wide expression and somatic mutation analysis. <i>BMC Medical Genomics</i> , <b>2018</b> , 11, 104	3.7	7
23	MISC: missing imputation for single-cell RNA sequencing data. <i>BMC Systems Biology</i> , <b>2018</b> , 12, 114	3.5	8
22	A hotspots analysis-relation discovery representation model for revealing diabetes mellitus and obesity. <i>BMC Systems Biology</i> , <b>2018</b> , 12, 116	3.5	4
21	A content-based recommender system for computer science publications. <i>Knowledge-Based Systems</i> , <b>2018</b> , 157, 1-9	7.3	127
20	<b>2017</b> ,		2
19	Relation discovery and hotspots analysis on diabetes mellitus and obesity with representation model <b>2017</b> ,		1
18	<b>2017</b> ,		1
17	Discriminative Feature Metric Learning in the Affinity Propagation Model for Band Selection in Hyperspectral Images. <i>Remote Sensing</i> , <b>2017</b> , 9, 782	5	18
16	Overfitting Reduction of Text Classification Based on AdaBELM. <i>Entropy</i> , <b>2017</b> , 19, 330	2.8	10
15	A Hybrid Algorithm of Extreme Learning Machine and Sparse Auto-Encoder. <i>Lecture Notes in Computer Science</i> , <b>2017</b> , 194-204	0.9	
14	DecorrelationSeparability-Based Affinity Propagation for Semisupervised Clustering of Hyperspectral Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , <b>2016</b> , 9, 568-582	4.7	5

- 13 Improving activated sludge classification based on imbalanced data. *Journal of Hydroinformatics*, **2014**, 16, 1331-1342 2.6 1
- 12 HetPathMine: A Novel Transductive Classification Algorithm on Heterogeneous Information Networks. *Lecture Notes in Computer Science*, **2014**, 210-221 0.9 22
- 11 Full text clustering and relationship network analysis of biomedical publications. *PLoS ONE*, **2014**, 9, e108847 3.7 6
- 10 Incremental and Decremental Affinity Propagation for Semisupervised Clustering in Multispectral Images. *IEEE Transactions on Geoscience and Remote Sensing*, **2013**, 51, 1666-1679 8.1 22
- 9 A Feature-Metric-Based Affinity Propagation Technique for Feature Selection in Hyperspectral Image Classification. *IEEE Geoscience and Remote Sensing Letters*, **2013**, 10, 1152-1156 4.1 25
- 8 Multi-BP expert system for fault diagnosis of powersystem. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 937-944 7.2 50
- 7 Tri-mean-based statistical differential gene expression detection. *International Journal of Data Mining and Bioinformatics*, **2012**, 6, 255-71 0.5 1
- 6 . *IEEE Transactions on Knowledge and Data Engineering*, **2011**, 23, 627-637 4.2 60
- 5 A Hybrid Swarm Intelligent Method Based on Genetic Algorithm and Artificial Bee Colony. *Lecture Notes in Computer Science*, **2010**, 558-565 0.9 29
- 4 An integrated algorithm based on artificial bee colony and particle swarm optimization **2010**, 23 8.1 41
- 3 . *IEEE Transactions on Geoscience and Remote Sensing*, **2010**, 48, 2647-2659 8.1 41
- 2 An incremental affinity propagation algorithm and its applications for text clustering **2009**, 6 8.1 31
- 1 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 8.1 31