Guizhi Wang

List of Publications by Year
in descending order

57 papers	1,320 citations	567281 15 h-index	414414 32 g-index
59 all docs	59 docs citations	59 times ranked	1377 citing authors

#	Article	IF	Citations
1	Achieving Efficient Cloud Search Services: Multi-Keyword Ranked Search over Encrypted Cloud Data Supporting Parallel Computing. IEICE Transactions on Communications, 2015, E98.B, 190-200.	0.7	524
2	A speculative approach to spatial–temporal efficiency with multi-objective optimization in a heterogeneous cloud environment. Security and Communication Networks, 2016, 9, 4002-4012.	1.5	182
3	Effective and Efficient Image Copy Detection with Resistance to Arbitrary Rotation. IEICE Transactions on Information and Systems, 2016, E99.D, 1531-1540.	0.7	104
4	A Novel Security Scheme Based on Instant Encrypted Transmission for Internet of Things. Security and Communication Networks, 2018, 2018, 1-7.	1.5	38
5	Spatial concentration, impact factors and prevention-control measures of PM2.5 pollution in China. Natural Hazards, 2017, 86, 393-410.	3.4	36
6	Data-Sparsity Tolerant Web Service Recommendation Approach Based on Improved Collaborative Filtering. IEICE Transactions on Information and Systems, 2017, E100.D, 2092-2099.	0.7	36
7	Assessment of health and economic effects by $PM_{2.5}$ pollution in Beijing: a combined exposure–response and computable general equilibrium analysis. Environmental Technology (United) Tj ETQq1 1 0.784314 rgBT /O		
8	Secure Authentication in Cloud Big Data with Hierarchical Attribute Authorization Structure. IEEE Transactions on Big Data, 2017, , 1-1.	6.1	30
9	DEHEMS: creating a digital environment for large-scale energy management at homes. IEEE Transactions on Consumer Electronics, 2013, 59, 62-69.	3.6	26
10	The rainstorm comprehensive economic loss assessment based on CGE model: using a July heavy rainstorm in Beijing as an example. Natural Hazards, 2015, 76, 839-854.	3.4	24
11	Downscaling Snow Depth Mapping by Fusion of Microwave and Optical Remote-Sensing Data Based on Deep Learning. Remote Sensing, 2021, 13, 584.	4.0	24
12	Direct and indirect economic loss assessment of typhoon disasters based on EC and IO joint model. Natural Hazards, 2017, 87, 1751-1764.	3.4	23
13	An adaptive approach to better load balancing in a consumer-centric cloud environment. IEEE Transactions on Consumer Electronics, 2016, 62, 243-250.	3.6	19
14	Predicting the Pore-Pressure and Temperature of Fire-Loaded Concrete by a Hybrid Neural Network. International Journal of Computational Methods, 2022, 19, .	1.3	18
15	Multi-objective resource allocation in mobile edge computing using PAES for Internet of Things. Wireless Networks, 0, , 1.	3.0	16
16	Improving random forest algorithm by Lasso method. Journal of Statistical Computation and Simulation, 2021, 91, 353-367.	1.2	16
17	Air Temperature Error Correction Based on Solar Radiation in an Economical Meteorological Wireless Sensor Network. Sensors, 2015, 15, 18114-18139.	3.8	12
18	Estimation Accuracy on Execution Time of Run-Time Tasks in a Heterogeneous Distributed Environment. Sensors, 2016, 16, 1386.	3.8	12

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19	Valuation of Haze Management and Prevention Using the Contingent Valuation Method with the Sure Independence Screening Algorithm. Sustainability, 2016, 8, 310.	3.2	12
20	Identity-Based Fast Authentication Scheme for Smart Mobile Devices in Body Area Networks. Wireless Communications and Mobile Computing, 2018, 2018, 1-7.	1.2	12
21	Indirect Economic Impact Incurred by Haze Pollution: An Econometric and Input–Output Joint Model. International Journal of Environmental Research and Public Health, 2019, 16, 2328.	2.6	12
22	Intensity and economic loss assessment of the snow, low-temperature and frost disasters: a case study of Beijing City. Natural Hazards, 2016, 84, 293-307.	3.4	11
23	Implicit authentication protocol and self-healing key management for WBANs. Multimedia Tools and Applications, 2018, 77, 11381-11401.	3.9	9
24	A fully connected deep learning approach to upper limb gesture recognition in a secure FES rehabilitation environment. International Journal of Intelligent Systems, 2021, 36, 2387-2411.	5.7	9
25	An edge-assisted cloud framework using a residual concatenate FCN approach to beam correction in the internet of weather radars. World Wide Web, 2022, 25, 1923-1949.	4.0	9
26	Implementation of automatic gas monitoring in a domestic energy management system. IEEE Transactions on Consumer Electronics, 2012, 58, 781-786.	3.6	6
27	A practical RFID grouping authentication protocol in multiple-tag arrangement with adequate security assurance. , 2016, , .		6
28	An authorized identity authentication-based data access control scheme in cloud. , 2016, , .		6
29	S-SurF: An Enhanced Secure Bulk Data Dissemination in Wireless Sensor Networks. Lecture Notes in Computer Science, 2017, , 395-408.	1.3	6
30	PM2.5 Pollution and Inhibitory Effects on Industry Development: A Bidirectional Correlation Effect Mechanism. International Journal of Environmental Research and Public Health, 2019, 16, 1159.	2.6	6
31	A Sensory Similarities Approach to Load Disaggregation of Charging Stations in Internet of Electric Vehicles. IEEE Sensors Journal, 2021, 21, 15895-15903.	4.7	6
32	A load-balancing approach based on modified K-ELM and NSGA-II in a heterogeneous cloud environment. , 2016, , .		5
33	An enhanced routing algorithm for congestion control in a home energy management system. , 2013, , .		4
34	VPCH: A Consistent Hashing Algorithm for Better Load Balancing in a Hadoop Environment. , 2015, , .		4
35	GLRM: An improved grid-based load-balanced routing method for WSN with single controlled mobile sink. , 2016, , .		4
36	U-High resolution network (U-HRNet): cloud detection with high-resolution representations for geostationary satellite imagery. International Journal of Remote Sensing, 2021, 42, 3511-3533.	2.9	4

#	Article	IF	Citations
37	A lightweight and practical RFID grouping authentication protocol in multiple-tag arrangements. , 2015, , .		3
38	Nonintrusive Load Management Based on Distributed Edge and Secure Key Agreement. Wireless Communications and Mobile Computing, 2021, 2021, 1-13.	1.2	3
39	Multi-objective Cross-layer Resource Scheduling for Internet of Things in Edge-Cloud Computing. , 2020, , .		3
40	Cloud Based Data Protection in Anonymously Controlled SDN. Security and Communication Networks, 2018, 2018, 1-8.	1.5	2
41	A Novel Neural Computing Model for Fast Predicting Network Traffic. Journal of Computational and Theoretical Nanoscience, 2015, 12, 6056-6062.	0.4	2
42	Characteristics of La Nina Climate Events and its Influence on Extreme Weather Conditions in Southeast China. , 2010, , .		1
43	An MSB embedding approach to data integrity protection in a ubiquitous environment. , 2013, , .		1
44	An Optimized Strategy for Speculative Execution in a Heterogeneous Environment. , 2015, , .		1
45	A practical RFID grouping authentication protocol in multiple-tag arrangement with adequate security assurance. , 2016, , .		1
46	A smart speculative execution strategy based on node classification for heterogeneous Hadoop systems. , 2016, , .		1
47	A Structure Analysis and Trend Prediction of the Population Development in China. , 2009, , .		0
48	Analysis and Predictions of Shanghai's Economic Growth and Energy Consumption Based on Small Sample Theory. , 2009, , .		0
49	The Combination Model of Public Meteorological Service Performance Evaluation. , 2011, , .		0
50	A Comparative Research of the Comprehensive Economic Strengths of the Five Coastal Provinces or Municipality. , 2011, , .		0
51	Crystal structure of aqua-[(2,2â€™-bipyridine)]-[(2,4-dihydroxypyrimidine- 5-carboxylato)] perchloratocopper(II), Cu(H2O)(C10H8N2)(C5H3N2O4)(ClO4), C15H13ClCuN4O9. Zeitschrift Fur Kristallographie - New Crystal Structures, 2012, 227, 365-366.	0.3	0
52	An authorized identity authentication-based data access control scheme in cloud. , 2016, , .		0
53	A Novel Authentication Protocol with Tree-based Signature for Green Cloud Computing. , 2018, , .		0
54	Privacy-Preserving Smart Road Pricing System in Smart Cities. , 2021, , .		0

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55	A novel gray model based on normalized beta function and its applications. Communications in Statistics Part B: Simulation and Computation, 0, , 1-17.	1.2	0
56	A Fast Classification Approach to Upper-Limb Posture Recognition. , 2020, , .		0
57	An Intelligent Method for Upper Limb Posture Recognition Based on Limited MEMS Data. , 2021, , .		0