Jerry Gao

List of Publications by Year
in descending order

35 papers	499 citations	933447 10 h-index	1058476 14 g-index
35 all docs	35 docs citations	35 times ranked	434 citing authors

#	Article	IF	Citations
1	Short-Term Rainfall Forecasting Using Multi-Layer Perceptron. IEEE Transactions on Big Data, 2020, 6, 93-106.	6.1	60
2	A Chaos Based Image Encryption Scheme Using Digit-Level Permutation and Block Diffusion. IEEE Access, 2018, 6, 67581-67593.	4.2	48
3	Urban Street Cleanliness Assessment Using Mobile Edge Computing and Deep Learning. IEEE Access, 2019, 7, 63550-63563.	4.2	36
4	Meaningful Encryption: Generating Visually Meaningful Encrypted Images by Compressive Sensing and Reversible Color Transformation. IEEE Access, 2019, 7, 170168-170184.	4.2	32
5	Compatibility Testing Service for Mobile Applications. , 2015, , .		29
6	Scalable Architectures for SaaS. , 2012, , .		27
7	Smart Street Litter Detection and Classification Based on Faster R-CNN and Edge Computing. International Journal of Software Engineering and Knowledge Engineering, 2020, 30, 537-553.	0.8	27
8	Data-Driven Wildfire Risk Prediction in Northern California. Atmosphere, 2021, 12, 109.	2.3	25
9	Smart Illegal Dumping Detection. , 2017, , .		19
10	Building a Big Data Analytics Service Framework for Mobile Advertising and Marketing. , 2015, , .		18
11	Crowdsourced Testing Services for Mobile Apps. , 2017, , .		18
12	Generating Test Cases for Context-Aware Applications Using Bigraphs. , 2014, , .		15
13	Developing an On-Demand Cloud-Based Sensing-as-a-Service System for Internet of Things. Journal of Computer Networks and Communications, 2016, 2016, 1-17.	1.6	15
14	Spartan Face Mask Detection and Facial Recognition System. Healthcare (Switzerland), 2022, 10, 87.	2.0	15
15	Big Data Sensing and Service: A Tutorial. , 2015, , .		14
16	A Sticky Policy Framework for Big Data Security. , 2015, , .		13
17	Deep Learning-Based Mobile Application Isomorphic GUI Identification for Automated Robotic Testing. IEEE Software, 2020, 37, 67-74.	1.8	13
18	A deep belief network based precipitation forecast approach using multiple environmental factors. Intelligent Data Analysis, 2018, 22, 843-866.	0.9	12

#	Article	IF	Citations
19	TaaS (Testing-as-a-Service) Design for Combinatorial Testing. , 2014, , .		10
20	A Sensitive Image Encryption Algorithm Based on a Higher-Dimensional Chaotic Map and Steganography. International Journal of Bifurcation and Chaos in Applied Sciences and Engineering, 2022, 32, .	1.7	7
21	Moving from Mobile Databases to Mobile Cloud Data Services. , 2015, , .		6
22	Autonomous UAV forced graffiti detection and removal system based on machine learning. , 2017, , .		6
23	Favored Encryption Techniques for Cloud Storage. , 2015, , .		5
24	SmartClean: Smart City Street Cleanliness System Using Multi-Level Assessment Model â€" Research Notes. International Journal of Software Engineering and Knowledge Engineering, 2018, 28, 1755-1774.	0.8	5
25	Cloud-Based Infrastructure for Mobile Testing as a Service. , 2015, , .		4
26	MCloudDB: A Mobile Cloud Database Service Framework. , 2015, , .		4
27	Regression Testing of Component-Based Software: A Systematic Practise Based on State Testing. , 2011, , .		3
28	An advertising analytics framework using social network big data. , 2015, , .		3
29	Improving Encryption Performance Using MapReduce. , 2015, , .		3
30	Big Data Validation Case Study. , 2017, , .		3
31	Environmental Pollution Analysis and Impact Studyâ€"A Case Study for the Salton Sea in California. Atmosphere, 2022, 13, 914.	2.3	2
32	A Model-Based Framework to Support Complexity Analysis Service for Regression Testing of Component-Based Software. , 2015, , .		1
33	Verifiable Model Construction for Business Processes. International Journal of Software Engineering and Knowledge Engineering, 2021, 31, 1017-1042.	0.8	1
34	Intelligent Learning Systems Design for Self-Defense Education. , 2017, , .		0
35	Conceptual Cognitive Modeling for Fine-Grained Annotation Quality Assessment of Object Detection Datasets. Discrete Dynamics in Nature and Society, 2020, 2020, 1-11.	0.9	0