

Shunkun Yang

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.

46
papers

325
citations

9
h-index

15
g-index

54
ext. papers

507
ext. citations

4.2
avg, IF

4.14
L-index

#	Paper	IF	Citations
46	Robust state-of-charge estimation of Li-ion batteries based on multichannel convolutional and bidirectional recurrent neural networks. <i>Applied Soft Computing Journal</i> , 2022 , 116, 108401	7.5	1
45	Software Belief Reliability Growth Model Based on Uncertain Differential Equation. <i>IEEE Transactions on Reliability</i> , 2022 , 1-13	4.6	4
44	Towards a component-based system model to improve the quality of highly configurable systems.. <i>PeerJ Computer Science</i> , 2022 , 8, e912	2.7	
43	Formal Analysis of Repairable Phased-Mission Systems With Common Cause Failures. <i>IEEE Transactions on Reliability</i> , 2021 , 70, 416-427	4.6	4
42	Car e-Talk: An IoT-Enabled Cloud-Assisted Smart Fleet Maintenance System. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 9484-9494	10.7	9
41	Speed Adaptability Assessment of Railway Balise Transmission Module Using A Deep Adaptive Attention-Based Encoder-Decoder Network. <i>IEEE Transactions on Industrial Electronics</i> , 2021 , 1-1	8.9	0
40	Cross-Domain State-of-Charge Estimation of Li-Ion Batteries Based on Deep Transfer Neural Network With Multiscale Distribution Adaptation. <i>IEEE Transactions on Transportation Electrification</i> , 2021 , 7, 1260-1270	7.6	5
39	Reliability analysis of ensemble fault tolerance for soft error mitigation against complex radiation effect. <i>Reliability Engineering and System Safety</i> , 2021 , 217, 108092	6.3	0
38	Operational Lifetime Stress Model for Complex Networks. <i>IEEE Transactions on Reliability</i> , 2021 , 1-9	4.6	
37	Role of Requirement Prioritization Technique to Improve the Quality of Highly-Configurable Systems. <i>IEEE Access</i> , 2020 , 8, 27549-27573	3.5	3
36	Evolution of Function-Call Network Reliability in Android Operating System. <i>IEEE Transactions on Circuits and Systems I: Regular Papers</i> , 2020 , 67, 1264-1275	3.9	0
35	Towards Taxonomical-Based Situational Model to Improve the Quality of Agile Distributed Teams. <i>IEEE Access</i> , 2020 , 8, 6812-6826	3.5	2
34	Identification of Breast Malignancy by Marker-Controlled Watershed Transformation and Hybrid Feature Set for Healthcare. <i>Applied Sciences (Switzerland)</i> , 2020 , 10, 1900	2.6	20
33	Secure Hierarchical Processing and Logging of Sensing Data and IoT Events with Blockchain 2020 ,		6
32	The Impact of Block Parameters on the Throughput and Security of Blockchains 2020 ,		7
31	Contrast Enhancement of Low-Contrast Medical Images Using Modified Contrast Limited Adaptive Histogram Equalization. <i>Journal of Medical Imaging and Health Informatics</i> , 2020 , 10, 1795-1803	1.2	8
30	Timestamp Scheme to Mitigate Replay Attacks in Secure ZigBee Networks. <i>IEEE Transactions on Mobile Computing</i> , 2020 , 1-1	4.6	1

29	State-of-charge sequence estimation of lithium-ion battery based on bidirectional long short-term memory encoder-decoder architecture. <i>Journal of Power Sources</i> , 2020 , 449, 227558	8.9	31
28	Statistical process monitoring in a specified period for the image data of fused deposition modeling parts with consistent layers. <i>Journal of Intelligent Manufacturing</i> , 2020 , 1	6.7	6
27	One-Dimensional Multi-Scale Domain Adaptive Network for Bearing-Fault Diagnosis under Varying Working Conditions. <i>Sensors</i> , 2020 , 20,	3.8	7
26	On Threat Analysis of IoT-Based Systems: A Survey 2020 ,		5
25	Anti-aging analysis for software reliability design modes in the context of single-event effect. <i>Software Quality Journal</i> , 2020 , 28, 221-243	1.2	2
24	Enhanced regression testing technique for agile software development and continuous integration strategies. <i>Software Quality Journal</i> , 2020 , 28, 397-423	1.2	6
23	On Consensus in Public Blockchains 2019 ,		7
22	An adaptive sliding mode actuator fault tolerant control scheme for octorotor system. <i>International Journal of Advanced Robotic Systems</i> , 2019 , 16, 172988141983243	1.4	5
21	Effective and Reliable Framework for Lung Nodules Detection from CT Scan Images. <i>Scientific Reports</i> , 2019 , 9, 4989	4.9	9
20	Degradation state mining and identification for railway point machines. <i>Reliability Engineering and System Safety</i> , 2019 , 188, 432-443	6.3	18
19	Logistics-aware manufacturing service collaboration optimisation towards industrial internet platform. <i>International Journal of Production Research</i> , 2019 , 57, 4007-4026	7.8	17
18	Optimized fault diagnosis based on FMEA-style CBR and BN for embedded software system. <i>International Journal of Advanced Manufacturing Technology</i> , 2018 , 94, 3441-3453	3.2	17
17	An Effective Framework for Driver Fatigue Recognition Based on Intelligent Facial Expressions Analysis. <i>IEEE Access</i> , 2018 , 6, 67459-67468	3.5	31
16	A Data-Driven Smart Fault Diagnosis Method for Electric Motor 2018 ,		5
15	Power Profiling of Context Aware Systems: A Contemporary Analysis and Framework for Power Conservation. <i>Wireless Communications and Mobile Computing</i> , 2018 , 2018, 1-15	1.9	5
14	Insights into the complexity: A method to manage the complex system by controlling the couplings based on the systemic modeling 2017 ,		1
13	Comparison of two mean-field based theoretical analysis methods for SIS model: Classical MF reaction equation and a modified equation. <i>Chaos, Solitons and Fractals</i> , 2017 , 104, 209-214	9.3	3
12	Resilience of epidemics for SIS model on networks. <i>Chaos</i> , 2017 , 27, 083105	3.3	8

11	Icephobicity of Penguins <i>Spheniscus Humboldti</i> and an Artificial Replica of Penguin Feather with Air-Infused Hierarchical Rough Structures. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 15923-15929	3.8	34
10	RGA: A lightweight and effective regeneration genetic algorithm for coverage-oriented software test data generation. <i>Information and Software Technology</i> , 2016 , 76, 19-30	3.4	12
9	Real-time extended interface automata for software testing cases generation. <i>Scientific World Journal, The</i> , 2014 , 2014, 731041	2.2	1
8	Improved ant algorithms for software testing cases generation. <i>Scientific World Journal, The</i> , 2014 , 2014, 392309	2.2	3
7	Bayesian Network Based Software Reliability Prediction by Dynamic Simulation 2013 ,		9
6	Analysis of industrial ethernet's reliability and realtime performance 2009 ,		1
5	Research and Improvement of Team Software Process 2009 ,		2
4	A fault diagnosis model for embedded software based on FMEA/FTA and bayesian network 2009 ,		3
3	Optimized Bayesian adaptive resonance theory mapping model using a rational quadratic kernel and Bayesian quadratic regularization. <i>Applied Intelligence</i> ,1	4.9	0
2	Requirement prioritization framework using case-based reasoning: A mining-based approach. <i>Expert Systems</i> ,e12770	2.1	2
1	Survey of Testing Methods and Testbed Development Concerning Internet of Things. <i>Wireless Personal Communications</i> ,1	1.9	3