Shunkun Yang

List of Publications by Year
in descending order

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Version: 2024-02-01

54	710	516215 16	610482 24
papers	citations	h-index	g-index

54	54	54	586
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	State-of-charge sequence estimation of lithium-ion battery based on bidirectional long short-term memory encoder-decoder architecture. Journal of Power Sources, 2020, 449, 227558.	4.0	80
2	An Effective Framework for Driver Fatigue Recognition Based on Intelligent Facial Expressions Analysis. IEEE Access, 2018, 6, 67459-67468.	2.6	49
3	Icephobicity of Penguins Spheniscus Humboldti and an Artificial Replica of Penguin Feather with Air-Infused Hierarchical Rough Structures. Journal of Physical Chemistry C, 2016, 120, 15923-15929.	1.5	48
4	Identification of Breast Malignancy by Marker-Controlled Watershed Transformation and Hybrid Feature Set for Healthcare. Applied Sciences (Switzerland), 2020, 10, 1900.	1.3	43
5	Degradation state mining and identification for railway point machines. Reliability Engineering and System Safety, 2019, 188, 432-443.	5.1	31
6	Optimized fault diagnosis based on FMEA-style CBR and BN for embedded software system. International Journal of Advanced Manufacturing Technology, 2018, 94, 3441-3453.	1.5	29
7	Logistics-aware manufacturing service collaboration optimisation towards industrial internet platform. International Journal of Production Research, 2019, 57, 4007-4026.	4.9	27
8	Car e-Talk: An IoT-Enabled Cloud-Assisted Smart Fleet Maintenance System. IEEE Internet of Things Journal, 2021, 8, 9484-9494.	5.5	22
9	Cross-Domain State-of-Charge Estimation of Li-Ion Batteries Based on Deep Transfer Neural Network With Multiscale Distribution Adaptation. IEEE Transactions on Transportation Electrification, 2021, 7, 1260-1270.	5.3	22
10	Robust state-of-charge estimation of Li-ion batteries based on multichannel convolutional and bidirectional recurrent neural networks. Applied Soft Computing Journal, 2022, 116, 108401.	4.1	22
11	On Consensus in Public Blockchains. , 2019, , .		20
12	Enhanced regression testing technique for agile software development and continuous integration strategies. Software Quality Journal, 2020, 28, 397-423.	1.4	20
13	Statistical process monitoring in a specified period for the image data of fused deposition modeling parts with consistent layers. Journal of Intelligent Manufacturing, 2021, 32, 2181-2196.	4.4	19
14	Contrast Enhancement of Low-Contrast Medical Images Using Modified Contrast Limited Adaptive Histogram Equalization. Journal of Medical Imaging and Health Informatics, 2020, 10, 1795-1803.	0.2	18
15	RGA: A lightweight and effective regeneration genetic algorithm for coverage-oriented software test data generation. Information and Software Technology, 2016, 76, 19-30.	3.0	17
16	Effective and Reliable Framework for Lung Nodules Detection from CT Scan Images. Scientific Reports, 2019, 9, 4989.	1.6	17
17	Role of Requirement Prioritization Technique to Improve the Quality of Highly-Configurable Systems. IEEE Access, 2020, 8, 27549-27573.	2.6	17
18	One-Dimensional Multi-Scale Domain Adaptive Network for Bearing-Fault Diagnosis under Varying Working Conditions. Sensors, 2020, 20, 6039.	2.1	15

#	Article	IF	Citations
19	The Impact of Block Parameters on the Throughput and Security of Blockchains. , 2020, , .		13
20	An adaptive sliding mode actuator fault tolerant control scheme for octorotor system. International Journal of Advanced Robotic Systems, 2019, 16, 172988141983243.	1.3	12
21	Bayesian Network Based Software Reliability Prediction by Dynamic Simulation. , 2013, , .		11
22	Formal Analysis of Repairable Phased-Mission Systems With Common Cause Failures. IEEE Transactions on Reliability, 2021, 70, 416-427.	3.5	11
23	Secure Hierarchical Processing and Logging of Sensing Data and IoT Events with Blockchain. , 2020, , .		11
24	Software Belief Reliability Growth Model Based on Uncertain Differential Equation. IEEE Transactions on Reliability, 2022, 71, 775-787.	3.5	11
25	Resilience of epidemics for SIS model on networks. Chaos, 2017, 27, 083105.	1.0	10
26	Timestamp Scheme to Mitigate Replay Attacks in Secure ZigBee Networks. IEEE Transactions on Mobile Computing, 2020, , 1-1.	3.9	10
27	Power Profiling of Context Aware Systems: A Contemporary Analysis and Framework for Power Conservation. Wireless Communications and Mobile Computing, 2018, 2018, 1-15.	0.8	9
28	On Threat Analysis of IoT-Based Systems: A Survey. , 2020, , .		9
29	Survey of Testing Methods and Testbed Development Concerning Internet of Things. Wireless Personal Communications, 2022, 123, 165-194.	1.8	9
30	Improved Ant Algorithms for Software Testing Cases Generation. Scientific World Journal, The, 2014, 2014, 1-9.	0.8	7
31	Research and Improvement of Team Software Process. , 2009, , .		6
32	Speed Adaptability Assessment of Railway Balise Transmission Module Using a Deep-Adaptive-Attention-Based Encoderâ€“Decoder Network. IEEE Transactions on Industrial Electronics, 2022, 69, 4195-4204.	5.2	6
33	Requirement prioritization framework using <scp>caseâ€based</scp> reasoning: A miningâ€based approach. Expert Systems, 2021, 38, e12770.	2.9	6
34	A fault diagnosis model for embedded software based on FMEA/FTA and bayesian network. , 2009, , .		5
35	Comparison of two mean-field based theoretical analysis methods for SIS model. Chaos, Solitons and Fractals, 2017, 104, 209-214.	2.5	5
36	A Data-Driven Smart Fault Diagnosis Method for Electric Motor. , 2018, , .		5

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37	Reliability analysis of ensemble fault tolerance for soft error mitigation against complex radiation effect. Reliability Engineering and System Safety, 2022, 217, 108092.	5.1	5
38	Optimized Bayesian adaptive resonance theory mapping model using a rational quadratic kernel and Bayesian quadratic regularization. Applied Intelligence, 2022, 52, 7777-7792.	3.3	5
39	Towards Human Activity Recognition and Objective Performance Assessment in Human Patient Simulation: A Case Study. , 2020, , .		5
40	Analysis of industrial ethernet's reliability and realtime performance. , 2009, , .		3
41	Evolution of Function-Call Network Reliability in Android Operating System. IEEE Transactions on Circuits and Systems I: Regular Papers, 2020, 67, 1264-1275.	3.5	3
42	Towards Taxonomical-Based Situational Model to Improve the Quality of Agile Distributed Teams. IEEE Access, 2020, 8, 6812-6826.	2.6	3
43	Design Criteria Development for Software Reliability. , 2012, , .		2
44	Anti-aging analysis for software reliability design modes in the context of single-event effect. Software Quality Journal, 2020, 28, 221-243.	1.4	2
45	Operational Lifetimeâ€“Stress Model for Complex Networks. IEEE Transactions on Reliability, 2022, 71, 1255-1263.	3.5	2
46	Dos and Donâ€™ts in Blockchain Research and Development. , 2022, , .		2
47	Real-Time Extended Interface Automata for Software Testing Cases Generation. Scientific World Journal, The, 2014, 2014, 1-12.	0.8	1
48	Deterministic Replay for Multi-Core VxWorks Applications. , 2017, , .		1
49	Insights into the complexity: A method to manage the complex system by controlling the couplings based on the systemic modeling. , 2017, , .		1
50	METHOD TO ANALYZING SOFTWARE TESTABILITY AFFECTING FACTORS BASED ON TESTABILITY TREE. , 2009, , .		1
51	Person Identification Based on Static Features Extracted from Kinect Skeleton Data. , 2021, , .		1
52	A Simulation based Intelligent Analysis Framework of Aircraft Reliability, Resilience and Vulnerability. , 2021, , .		1
53	Towards a component-based system model to improve the quality of highly configurable systems. PeerJ Computer Science, 2022, 8, e912.	2.7	0
54	Multiscale Empirical Analysis of Software Network Evolution. , 2021, , .		0