List of Publications by Year
in descending order

105 papers	7,342 citations	66343 42 h-index	60623 81 g-index
113 all docs	113 docs citations	113 times ranked	5128 citing authors

#	Article	IF	Citations
1	Computer aided detection of mammographic mass using exact Gaussian–Hermite moments. Journal of Ambient Intelligence and Humanized Computing, 2024, 15, 1139-1147.	4.9	14
2	An enhanced whale optimization algorithm for vehicular communication networks. International Journal of Communication Systems, 2022, 35, e3953.	2.5	49
3	Hybrid quantum-classical convolutional neural network model for COVID-19 prediction using chest X-ray images. Journal of Computational Design and Engineering, 2022, 9, 343-363.	3.1	49
4	An efficient <scp>radix trie</scp>‐based semantic visual indexing model for <scp>large‐scale</scp> image retrieval in cloud environment. Software - Practice and Experience, 2021, 51, 489-502.	3.6	43
5	Energy-Aware Marine Predators Algorithm for Task Scheduling in IoT-Based Fog Computing Applications. IEEE Transactions on Industrial Informatics, 2021, 17, 5068-5076.	11.3	96
6	Application of discrete transforms with selective coefficients for blind image watermarking. Transactions on Emerging Telecommunications Technologies, 2021, 32, e3771.	3.9	22
7	An efficient heap-based optimization algorithm for parameters identification of proton exchange membrane fuel cells model: Analysis and case studies. International Journal of Hydrogen Energy, 2021, 46, 11908-11925.	7.1	33
8	Security and Privacy Issues in Medical Internet of Things: Overview, Countermeasures, Challenges and Future Directions. Sustainability, 2021, 13, 11645.	3.2	40
9	Return Rate Prediction in Blockchain Financial Products Using Deep Learning. Sustainability, 2021, 13, 11901.	3.2	10
10	Secure Automated Forensic Investigation for Sustainable Critical Infrastructures Compliant with Green Computing Requirements. IEEE Transactions on Sustainable Computing, 2020, 5, 174-191.	3.1	30
11	Raspberry Pi assisted face recognition framework for enhanced law-enforcement services in smart cities. Future Generation Computer Systems, 2020, 108, 995-1007.	7.5	127
12	Optimal feature level fusion based ANFIS classifier for brain MRI image classification. Concurrency Computation Practice and Experience, 2020, 32, e4887.	2.2	52
13	Deep learning model for real-time image compression in Internet of Underwater Things (IoUT). Journal of Real-Time Image Processing, 2020, 17, 2097-2111.	3.5	119
14	Reliable Data Transmission Model for Mobile Ad Hoc Network Using Signcryption Technique. IEEE Transactions on Reliability, 2020, 69, 1077-1086.	4.6	104
15	Parameter identification of two dimensional digital filters using electro-magnetism optimization. Multimedia Tools and Applications, 2020, 79, 5005-5022.	3.9	6
16	Modeling neutrosophic variables based on particle swarm optimization and information theory measures for forest fires. Journal of Supercomputing, 2020, 76, 2339-2356.	3.6	12
17	Energy Efficient Optimal Routing for Communication in VANETs via Clustering Model. Studies in Systems, Decision and Control, 2020, , 1-14.	1.0	34
18	Challenges and recommended technologies for the industrial internet of things: A comprehensive review. Measurement: Journal of the International Measurement Confederation, 2020, 151, 107198.	5.0	118

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19	Unsupervised Model for Detecting Plagiarism in Internet-based Handwritten Arabic Documents. Journal of Organizational and End User Computing, 2020, 32, 42-66.	2.9	32
20	Energy efficient clustering with disease diagnosis model for IoT based sustainable healthcare systems. Sustainable Computing: Informatics and Systems, 2020, 28, 100453.	2.2	33
21	An Optimal Least Square Support Vector Machine Based Earnings Prediction of Blockchain Financial Products. IEEE Access, 2020, 8, 120321-120330.	4.2	46
22	Towards automated SCADA forensic investigation: challenges, opportunities and promising paradigms. International Journal of Information and Computer Security, 2020, 13, 268.	0.2	0
23	Kernel learning for blind image recovery from motion blur. Multimedia Tools and Applications, 2020, 79, 21873-21887.	3.9	4
24	Highly Reliable and Low-Complexity Image Compression Scheme Using Neighborhood Correlation Sequence Algorithm in WSN. IEEE Transactions on Reliability, 2020, 69, 1398-1423.	4.6	74
25	A Hybrid COVID-19 Detection Model Using an Improved Marine Predators Algorithm and a Ranking-Based Diversity Reduction Strategy. IEEE Access, 2020, 8, 79521-79540.	4.2	138
26	Hybridization of firefly and Improved Multi-Objective Particle Swarm Optimization algorithm for energy efficient load balancing in Cloud Computing environments. Journal of Parallel and Distributed Computing, 2020, 142, 36-45.	4.1	131
27	Deep learning with LSTM based distributed data mining model for energy efficient wireless sensor networks. Physical Communication, 2020, 40, 101097.	2.1	97
28	Weakly Supervised Deep Learning for Objects Detection from Images. Studies in Distributed Intelligence, 2020, , 231-242.	0.6	11
29	Intelligent Multimedia Applications in Wavelet Domain: New Trends and Future Research Directions. , 2020, , 137-144.		0
30	Dynamic Wireless Sensor Networks. Studies in Systems, Decision and Control, 2019, , .	1.0	18
31	Hierarchical and Clustering WSN Models: Their Requirements for Complex Applications. Studies in Systems, Decision and Control, 2019, , 53-71.	1.0	8
32	Secure Data Transmission in WSN: An Overview. Studies in Systems, Decision and Control, 2019, , 115-143.	1.0	23
33	Multi-layer security of medical data through watermarking and chaotic encryption for tele-health applications. Multimedia Tools and Applications, 2019, 78, 3457-3470.	3.9	180
34	An Encryption Model for Data Processing in WSN. Studies in Systems, Decision and Control, 2019, , 145-169.	1.0	5
35	A new binary salp swarm algorithm: development and application for optimization tasks. Neural Computing and Applications, 2019, 31, 1641-1663.	5.6	104
36	Expand Mobile WSN Coverage in Harsh Environments. Studies in Systems, Decision and Control, 2019, , 29-52.	1.0	12

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37	Optimizing Cluster Head Selection in WSN to Prolong Its Existence. Studies in Systems, Decision and Control, 2019, , 93-111.	1.0	6
38	EoT-driven hybrid ambient assisted living framework with naïve Bayes–firefly algorithm. Neural Computing and Applications, 2019, 31, 1275-1300.	5.6	36
39	Improved DGA Domain Names Detection and Categorization Using Deep Learning Architectures with Classical Machine Learning Algorithms. Advanced Sciences and Technologies for Security Applications, 2019, , 161-192.	0.5	7
40	Optimal Lightweight Encryption Based Secret Share Creation Scheme for Digital Images in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 115-129.	0.4	1
41	Deep Learning Framework for Cyber Threat Situational Awareness Based on Email and URL Data Analysis. Advanced Sciences and Technologies for Security Applications, 2019, , 87-124.	0.5	21
42	An Optimal Lightweight RECTANGLE Block Cipher for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 33-47.	0.4	1
43	Optimal Data Hiding Key in Encrypted Images Based Digital Image Security in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 99-113.	0.4	0
44	Multiple Share Creation with Optimal Hash Function for Image Security in WSN Aid of OGWO. Lecture Notes in Electrical Engineering, 2019, , 131-146.	0.4	1
45	An Optimal Haar Wavelet with Light Weight Cryptography Based Secret Data Hiding on Digital Images in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 65-81.	0.4	1
46	An Optimal Singular Value Decomposition with LWC-RECTANGLE Block Cipher Based Digital Image Watermarking in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 83-98.	0.4	4
47	An Efficient Image Encryption Scheme Based on Signcryption Technique with Adaptive Elephant Herding Optimization. Advanced Sciences and Technologies for Security Applications, 2019, , 31-42.	0.5	19
48	An Optimal Light Weight Cryptography—SIMON Block Cipher for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 17-32.	0.4	1
49	An Optimal Lightweight Cryptographic Hash Function for Secure Image Transmission in Wireless Sensor Networks. Lecture Notes in Electrical Engineering, 2019, , 49-64.	0.4	4
50	Optimal bilateral filter and Convolutional Neural Network based denoising method of medical image measurements. Measurement: Journal of the International Measurement Confederation, 2019, 143, 125-135.	5.0	147
51	Computer network security evaluation simulation model based on neural network. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3197-3204.	1.4	62
52	Region-based scalable smart system for anomaly detection in pedestrian walkways. Computers and Electrical Engineering, 2019, 75, 146-160.	4.8	59
53	Real-time detection of cole diseases and insect pests in wireless sensor networks. Journal of Intelligent and Fuzzy Systems, 2019, 37, 3513-3524.	1.4	18
54	Data Security and Challenges in Smart Cities. Lecture Notes in Intelligent Transportation and Infrastructure, 2019, , 117-142.	0.5	39

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55	Feature selection based on artificial bee colony and gradient boosting decision tree. Applied Soft Computing Journal, 2019, 74, 634-642.	7.2	384
56	Collaborative task assignment of interconnected, affective robots towards autonomous healthcare assistant. Future Generation Computer Systems, 2019, 92, 241-251.	7.5	31
57	A novel PSO algorithm for dynamic wireless sensor network multiobjective optimization problem. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3523.	3.9	20
58	An efficient Swarm-Intelligence approach for task scheduling in cloud-based internet of things applications. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 3469-3479.	4.9	129
59	Modelling the spice parameters of SOI MOSFET using a combinational algorithm. Cluster Computing, 2019, 22, 4683-4692.	5.0	27
60	Intelligent Bézier curve-based path planning model using Chaotic Particle Swarm Optimization algorithm. Cluster Computing, 2019, 22, 4745-4766.	5.0	161
61	Extended Genetic Algorithm for solving open-shop scheduling problem. Soft Computing, 2019, 23, 5099-5116.	3.6	133
62	The impact of the hybrid platform of internet of things and cloud computing on healthcare systems: opportunities, challenges, and open problems. Journal of Ambient Intelligence and Humanized Computing, 2019, 10, 4151-4166.	4.9	279
63	Mobile Object Tracking in Wide Environments Using WSNs. Studies in Systems, Decision and Control, 2019, , 3-28.	1.0	8
64	Extending Homogeneous WSN Lifetime in Dynamic Environments Using the Clustering Model. Studies in Systems, Decision and Control, 2019, , 73-92.	1.0	10
65	Using Wireless Sensor to Acquire Live Data on a SCADA System, Towards Monitoring File Integrity. Studies in Systems, Decision and Control, 2019, , 171-191.	1.0	2
66	Optimal Stream Encryption for Multiple Shares of Images by Improved Cuckoo Search Model. Lecture Notes in Electrical Engineering, 2019, , 147-161.	0.4	0
67	A multi-objective transportation model under neutrosophic environment. Computers and Electrical Engineering, 2018, 69, 705-719.	4.8	110
68	Secure and Robust Fragile Watermarking Scheme for Medical Images. IEEE Access, 2018, 6, 10269-10278.	4.2	189
69	A machine learning model for improving healthcare services on cloud computing environment. Measurement: Journal of the International Measurement Confederation, 2018, 119, 117-128.	5.0	171
70	An Empirical Analysis of User Behavior for P2P IPTV Workloads. Advances in Intelligent Systems and Computing, 2018, , 252-263.	0.6	14
71	Automatic removal of complex shadows from indoor videos using transfer learning and dynamic thresholding. Computers and Electrical Engineering, 2018, 70, 813-825.	4.8	75
72	Recognizing human activity in mobile crowdsensing environment using optimized k -NN algorithm. Expert Systems With Applications, 2018, 107, 32-44.	7.6	98

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73	Secure Medical Data Transmission Model for IoT-Based Healthcare Systems. IEEE Access, 2018, 6, 20596-20608.	4.2	427
74	A hybrid model of Internet of Things and cloud computing to manage big data in health services applications. Future Generation Computer Systems, 2018, 86, 1383-1394.	7.5	260
75	An Efficient Scheme for Video Delivery in Wireless Networks. Studies in Big Data, 2018, , 207-225.	1.1	3
76	Optimizing K-coverage of mobile WSNs. Expert Systems With Applications, 2018, 92, 142-153.	7.6	137
77	Multimodal Biometric Personal Identification and Verification. Studies in Computational Intelligence, 2018, , 249-276.	0.9	20
78	Bezier Curve Based Path Planning in a Dynamic Field using Modified Genetic Algorithm. Journal of Computational Science, 2018, 25, 339-350.	2.9	185
79	Self-maintenance model for Wireless Sensor Networks. Computers and Electrical Engineering, 2018, 70, 799-812.	4.8	102
80	NoSQL Injection Attack Detection in Web Applications Using RESTful Service. Programming and Computer Software, 2018, 44, 435-444.	0.9	44
81	An Efficient Optimal Key Based Chaos Function for Medical Image Security. IEEE Access, 2018, 6, 77145-77154.	4.2	97
82	A secure real-time internet of medical smart things (IOMST). Computers and Electrical Engineering, 2018, 72, 455-467.	4.8	21
83	Trust-based secure clustering in WSN-based intelligent transportation systems. Computer Networks, 2018, 146, 151-158.	5.1	121
84	Exploring New Vista of intelligent collaborative filtering: A restaurant recommendation paradigm. Journal of Computational Science, 2018, 27, 168-182.	2.9	24
85	Energy efficient collaborative proactive routing protocol for Wireless Sensor Network. Computer Networks, 2018, 142, 154-167.	5.1	46
86	Hybrid Rough Neural Network Model for Signature Recognition. Studies in Computational Intelligence, 2018, , 295-318.	0.9	24
87	Efficient Schemes for Playout Latency Reduction in P2P-VoD Systems. Studies in Computational Intelligence, 2018, , 477-495.	0.9	11
88	Autonomic Self-healing Approach to Eliminate Hardware Faults in Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2018, , 151-160.	0.6	12
89	Intelligent Algorithms for Optimal Selection of Virtual Machine in Cloud Environment, Towards Enhance Healthcare Services. Advances in Intelligent Systems and Computing, 2018, , 289-298.	0.6	20
90	Proposal for a Quantum-Based Memory for Storing Classical Information and the Connection Between Molecular Dynamics Simulations and the Landauerâ€™s Principle. Studies in Big Data, 2018, , 291-316.	1.1	0

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91	A Genetic Algorithm-Based, Dynamic Clustering Method Towards Improved WSN Longevity. Journal of Network and Systems Management, 2017, 25, 21-46.	4.9	180
92	Dynamic Multi-hop Clustering in a Wireless Sensor Network: Performance Improvement. Wireless Personal Communications, 2017, 95, 3733-3753.	2.7	70
93	Genetic algorithm based model for optimizing bank lending decisions. Expert Systems With Applications, 2017, 80, 75-82.	7.6	199
94	Optimizing robot path in dynamic environments using Genetic Algorithm and Bezier Curve. Journal of Intelligent and Fuzzy Systems, 2017, 33, 2305-2316.	1.4	97
95	Prediction of biochar yield using adaptive neuro-fuzzy inference system with particle swarm optimization. , 2017, , .		43
96	K-Coverage Model Based on Genetic Algorithm to Extend WSN Lifetime. , 2017, 1, 1-4.		117
97	Social-spider optimization algorithm for improving ANFIS to predict biochar yield. , 2017, , .		33
98	Self-organizing single-hop wireless sensor network using a genetic algorithm: Longer lifetimes and maximal throughputs. , 2017, , .		4
99	Intelligent systems based on loud computing for healthcare services: a survey. International Journal of Computational Intelligence Studies, 2017, 6, 157.	0.3	9
100	Loan portfolio optimization using Genetic Algorithm: A case of credit constraints. , 2016, , .		39
101	An energy efficient encryption method for secure dynamic WSN. Security and Communication Networks, 2016, 9, 2024-2031.	1.5	99
102	A secure data routing schema for WSN using Elliptic Curve Cryptography and homomorphic encryption. Journal of King Saud University - Computer and Information Sciences, 2016, 28, 262-275.	3.9	85
103	Balancing Energy Consumption in Heterogeneous Wireless Sensor Networks Using Genetic Algorithm. IEEE Communications Letters, 2015, 19, 2194-2197.	4.1	158
104	Extending self-organizing network availability using genetic algorithm. , 2014, , .		39
105	A hybrid crow search algorithm based on rough searching scheme for solving engineering optimization problems. Journal of Ambient Intelligence and Humanized Computing, 0, , 1.	4.9	49