Dr Rajeev Arya

List of Publications by Year
in descending order

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Version: 2024-02-01

58	459	933447	839539
papers	citations	10 h-index	18 g-index

63	63	63	250
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Highway 4.0: Digitalization of highways for vulnerable road safety development with intelligent IoT sensors and machine learning. Safety Science, 2021, 143, 105407.	4.9	67
2	A fuzzy neural network approach for automatic K-complex detection in sleep EEG signal. Pattern Recognition Letters, 2018, 115, 74-83.	4.2	43
3	Unmanned aerial vehicle path planning based on A* algorithm and its variants in 3d environment. International Journal of Systems Assurance Engineering and Management, 2021, 12, 990-1000.	2.4	34
4	Performance analysis of artificial bee colony optimization based clustering protocol in various scenarios of WSN. Procedia Computer Science, 2018, 132, 183-188.	2.0	29
5	Performance Evaluation of PCA and ICA Algorithm for Facial Expression Recognition Application. Advances in Intelligent Systems and Computing, 2016, , 965-976.	0.6	27
6	Optimal demultiplexer unit design and energy estimation using quantum dot cellular automata. Journal of Supercomputing, 2021, 77, 1714-1738.	3.6	20
7	Security threats and measures in the Internet of Things for smart city infrastructure: A state of art. Transactions on Emerging Telecommunications Technologies, 2023, 34, .	3.9	19
8	A secure authentication technique for connecting different IoT devices in the smart city infrastructure. Cluster Computing, 2022, 25, 2333-2349.	5.0	17
9	Energy optimization of energy aware routing protocol and bandwidth assessment for wireless sensor network. International Journal of Systems Assurance Engineering and Management, 2018, 9, 612-619.	2.4	12
10	Vertically Extended Drain Double Gate Si1â^'xGex Source Tunnel FET : Proposal & Investigation For Optimized Device Performance. Silicon, 2021, 13, 2589-2604.	3.3	12
11	High performance nanocomparator: a quantum dot cellular automata-based approach. Journal of Supercomputing, 2022, 78, 2337-2353.	3.6	12
12	Efficient Design of Vedic Square Calculator Using Quantum Dot Cellular Automata (QCA). IEEE Transactions on Circuits and Systems II: Express Briefs, 2022, 69, 1587-1591.	3.0	11
13	Secure transmission technique for data in IoT edge computing infrastructure. Complex & Intelligent Systems, 0, , 1.	6.5	11
14	Towards cost analysis and energy estimation of simple multiplexer and demultiplexer using quantum dot cellular automata. International Nano Letters, 2022, 12, 67-77.	5.0	10
15	Design and energy dissipation analysis of simple QCA multiplexer for nanocomputing. Journal of Supercomputing, 2022, 78, 8430-8444.	3.6	9
16	Lagrange's multiplier based resource management for energy efficient D2D communication in 5G networks. International Journal of Systems Assurance Engineering and Management, 2023, 14, 722-731.	2.4	8
17	C-TOL: Convex triangulation for optimal node localization with weighted uncertainties. Physical Communication, 2021, 46, 101300.	2.1	8
18	Lyapunov optimization machine learning resource allocation approach for uplink underlaid D2D communication in 5G networks. IET Communications, 2022, 16, 476-484.	2.2	8

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19	Water cycle algorithm based optimized clustering protocol for wireless sensor network. Journal of Interdisciplinary Mathematics, 2020, 23, 367-377.	0.7	7
20	Real Time Eye Blink Extraction Circuit Design from EEG Signal for ALS Patients. Journal of Medical and Biological Engineering, 2018, 38, 933-942.	1.8	6
21	Energy Dissipation and Cell Displacement Analysis of QCA Multiplexer for Nanocomputation. , 2019, , .		6
22	Non-coherent localization with geometric topology of wireless sensor network under target and anchor node perturbations. Wireless Networks, 2021, 27, 2271-2286.	3.0	6
23	Adaptive virtual anchor node based underwater localization using improved shortest path algorithm and particle swarm optimization (<scp>PSO</scp>) technique. Concurrency Computation Practice and Experience, 2022, 34, e6552.	2.2	6
24	ARCMT: Anchor node-based range free cooperative multi trusted secure underwater localization using fuzzifier. Computer Communications, 2022, 193, 246-265.	5.1	6
25	Optimization approach for energy minimization and bandwidth estimation of WSN for data centric protocols. International Journal of Systems Assurance Engineering and Management, 2018, 9, 2-11.	2.4	5
26	Efficient Channel Prediction Technique Using AMC and Deep Learning Algorithm for 5G (NR) mMTC Devices. IEEE Access, 2022, 10, 45053-45060.	4.2	5
27	Seamless connectivity with <scp>5G</scp> enabled unmanned aerial vehicles base stations using machine programming approach. Expert Systems, 2022, 39, e12828.	4.5	4
28	An underwater localization scheme for sparse sensing acoustic positioning in stratified and perturbed UASNs. Wireless Networks, 0, , 1.	3.0	4
29	An Improved Privacy-Preserving Public Auditing for Secure Cloud Storage. Advances in Intelligent Systems and Computing, 2016, , 853-866.	0.6	3
30	A hybrid approach for cluster head determination of unmanned aerial vehicle in flying ad-hoc networks. International Journal of Systems Assurance Engineering and Management, 2023, 14, 759-773.	2.4	3
31	Range free localization technique under erroneous estimation in wireless sensor networks. Journal of Supercomputing, 2022, 78, 5050-5074.	3.6	3
32	UAV Clustering Scheme for FANETs using Elbow-Hybrid Metaheuristic Techniques. Computer Systems Science and Engineering, 2021, 38, 321-337.	2.4	3
33	Evaluation of Node-Metastasis in Sparse Underwater Acoustic Sensor Networks for Localization Under Acoustically Stratified Malicious Node Conditions. IEEE Access, 2021, 9, 169372-169386.	4.2	3
34	Exploiting perturbed and coalescent anchor node geometry with semidefinite relaxation for sensor network localization. Physical Communication, 2022, 52, 101606.	2.1	3
35	Efficient design of <scp>dualâ€mode</scp> nano counter: An approach using quantum dot cellular automata. Concurrency Computation Practice and Experience, 0, , .	2.2	3
36	A Simulation Study with Mobility Models Based on Routing Protocol. Advances in Intelligent Systems and Computing, 2016, , 867-875.	0.6	2

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37	An Extensive Survey on Energy Optimization Techniques Based on Simultaneous Wireless Data and Energy Transfer to Wireless Sensor Network. Advances in Intelligent Systems and Computing, 2018, , 469-475.	0.6	2
38	Comparative Analysis of SEP, I-SEP,ÂLEACH and PSO-Based Clustering Protocols in WSN. Advances in Intelligent Systems and Computing, 2020, , 609-615.	0.6	2
39	Energy-Efficient Clustering of UAVs with Crow Search Interaction. SSRN Electronic Journal, 0, , .	0.4	2
40	T-LOC: RSSI-based, range-free, triangulation assisted localization for convex relaxation with limited node range under uncertainty skew constraint. Journal of Ambient Intelligence and Humanized Computing, 2023, 14, 7063-7077.	4.9	2
41	UAV Communication in FANETs with Metaheuristic Techniques. Advances in Intelligent Systems and Computing, 2021, , 1-11.	0.6	2
42	Improved hybrid node localization using the wild horse optimization in the underwater environment. International Journal of Systems Assurance Engineering and Management, 0, , 1.	2.4	2
43	Energy estimation of sensor nodes using optimization in wireless sensor network. , 2015, , .		1
44	Design of controller area network based automated safety system for vehicle. , 2017, , .		1
45	Water cycle algorithm perspective on energy constraints in WSN. International Journal of Systems Assurance Engineering and Management, 2020, 11, 253-260.	2.4	1
46	FPGA Implementation of Vedic Squarer for Communication Systems. International Journal of Sensors, Wireless Communications and Control, 2020, 10, 857-865.	0.7	1
47	Perturbation Propagation Models for Underwater Sensor Localisation using Semidefinite Programming. Defence Science Journal, 2021, 71, 807-815.	0.8	1
48	Chicken Swarm Optimization Algorithm Perspective on Energy Constraints in WSN. , 2020, , .		1
49	Robust transmission using channel encoding towards 5G New Radio: A telemetry approach. Computers and Electrical Engineering, 2021, 95, 107377.	4.8	0
50	Comparative Analysis of Energy Aware Protocols in Wireless Sensor Network Using Fuzzy Logic. Advances in Intelligent Systems and Computing, 2014, , 207-216.	0.6	0
51	Statistical Analysis of Optimization-Based Clustering Scheme for Multi-UAV Networks. Mathematical Modelling of Engineering Problems, 2020, 07, 299-308.	0.5	0
52	Performance Analysis of Amplify and Forward Relay Network over Î°-Âµ Channel. Advances in Intelligent Systems and Computing, 2020, , 451-456.	0.6	0
53	A Review of mm-Wave Power Amplifiers for Next-Generation 5G Communication. Advances in Intelligent Systems and Computing, 2020, , 173-184.	0.6	0
54	A Study of Spectral Data Processing with Emphasis on Spectral Similarity Measures for Hyperspectral Image Processing. Advances in Intelligent Systems and Computing, 2020, , 859-868.	0.6	0

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55	Performance of Cooperative Relaying Techniques Over Different Fading Channels in Industrial Wireless Sensor Networks. Advances in Intelligent Systems and Computing, 2020, , 1117-1126.	0.6	0
56	A Discrete Water Cycle Algorithm for Cellular Network Cost Management. Wireless Personal Communications, 0, , 1.	2.7	0
57	A sequential approach with machine in ultra-dense 5G D2D networks. International Journal of Systems Assurance Engineering and Management, 0, , .	2.4	0
58	Linear pricing game based power control with resource allocation and interference management in <scp>deviceâ€toâ€device</scp> communication for <scp>IoT</scp> applications. Expert Systems, 2023, 40, .	4.5	0