

# Rajiv Misra

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

697  
citations

759233

12  
h-index

713466

21  
g-index

93  
all docs

93  
docs citations

93  
times ranked

551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Minimum Connected Dominating Set Using a Collaborative Cover Heuristic for Ad Hoc Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 292-302.	5.6	70
2	Rotation of CDS via Connected Domatic Partition in Ad Hoc Sensor Networks. IEEE Transactions on Mobile Computing, 2009, 8, 488-499.	5.8	45
3	Energy aware cluster based routing protocol over distributed cognitive radio sensor network. Computer Communications, 2018, 129, 54-66.	5.1	44
4	Multiscale deep bidirectional gated recurrent neural networks based prognostic method for complex non-linear degradation systems. Information Sciences, 2021, 554, 120-144.	6.9	39
5	Approximating geographic routing using coverage tree heuristics for wireless network. Wireless Networks, 2015, 21, 1109-1118.	3.0	27
6	Improvised dynamic network connectivity model for Vehicular Ad-Hoc Networks (VANETs). Journal of Network and Computer Applications, 2018, 122, 107-114.	9.1	24
7	Generative adversarial networks based remaining useful life estimation for IIoT. Computers and Electrical Engineering, 2021, 92, 107195.	4.8	23
8	Energy-Efficient k-Hop Clustering in Cognitive Radio Sensor Network for Internet of Things. IEEE Internet of Things Journal, 2021, 8, 13593-13607.	8.7	23
9	GAN for synthesizing CT from T2-weighted MRI data towards MR-guided radiation treatment. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2022, 35, 449-457.	2.0	17
10	Ensemble trees learning based improved predictive maintenance using IIoT for turbofan engines. , 2019, , ,		16
11	Distributed Randomized -Clustering Based PCID Assignment for Ultra-Dense Femtocellular Networks. IEEE Transactions on Parallel and Distributed Systems, 2018, 29, 1247-1260.	5.6	15
12	On demand clock synchronization for live VM migration in distributed cloud data centers. Journal of Parallel and Distributed Computing, 2020, 138, 15-31.	4.1	14
13	Maximizing Fairness for Resource Allocation in Heterogeneous 5G Networks. IEEE Transactions on Mobile Computing, 2021, 20, 603-619.	5.8	14
14	Performance comparison of parallel graph coloring algorithms on BSP model using hadoop. , 2015, , ,		13
15	Truthful online double auction based dynamic resource provisioning for multi-objective trade-offs in IaaS clouds. Cluster Computing, 2021, 24, 1855-1879.	5.0	13
16	Randomized Graph Coloring Algorithm for Physical Cell ID Assignment in LTE-A Femtocellular Networks. Wireless Personal Communications, 2016, 91, 1213-1235.	2.7	12
17	Machine Learning-based Slice allocation Algorithms in 5G Networks. , 2019, , ,		12
18	Efficient clusterhead rotation via domatic partition in self-organizing sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 1040-1058.	1.2	11

#	ARTICLE	IF	CITATIONS
19	Lightweight Localization Using Trilateration for Sensor Networks. International Journal of Wireless Information Networks, 2014, 21, 89-100.	2.7	11
20	Firefly Inspired Improved Distributed Proximity Algorithm for D2D Communication. , 2015, , .		10
21	Spectrum access in cognitive smart-grid communication system with prioritized traffic. Ad Hoc Networks, 2017, 65, 38-54.	5.5	10
22	Energy and cost trade-off for computational tasks offloading in mobile multi-tenant clouds. Cluster Computing, 2021, 24, 1793-1824.	5.0	9
23	Deep learning-based multivariate resource utilization prediction for hotspots and coldspots mitigation in green cloud data centers. Journal of Supercomputing, 2022, 78, 5806-5855.	3.6	9
24	Multi-diseases Classification from Chest-X-ray: A Federated Deep Learning Approach. Lecture Notes in Computer Science, 2020, , 3-15.	1.3	9
25	Caching algorithm for fast handoff using AP graph with multiple vehicles for VANETs. International Journal of Communication Networks and Distributed Systems, 2015, 14, 219.	0.4	8
26	Efficient disjoint boundary detection algorithm for surveillance capable WSNs. Journal of Parallel and Distributed Computing, 2017, 109, 245-257.	4.1	8
27	Approximating Common Control Channel Problem in Cognitive Radio Networks. IEEE Systems Journal, 2019, 13, 301-312.	4.6	8
28	Resource sharing in D2D communication underlying cellular LTE-A networks. , 2015, , .		7
29	Distributed event driven cluster based routing in cognitive radio sensor networks. , 2016, , .		7
30	On k -channel connectivity in cognitive radio networks through channel assignment. AEU - International Journal of Electronics and Communications, 2017, 77, 118-129.	2.9	7
31	Distributed Algorithm for Resource Allocation in Uplink 5G Networks. , 2017, , .		7
32	Angle Based Double Boundary Detection in Wireless Sensor Networks. Journal of Networks, 2014, 9, .	0.4	7
33	Low-Latency Energy-Efficient Cyber-Physical Disaster System Using Edge Deep Learning. , 2020, , .		7
34	Efficient vehicle to vehicle communication protocol for VANETs. , 2014, , .		6
35	EnergyTradingRank Algorithm for Truthful Auctions among EVs via Blockchain Analytics of Large Scale Transaction Graphs. , 2019, , .		6
36	Generating novel molecule for target protein (SARS-CoV-2) using drugâ€target interaction based on graph neural network. Network Modeling Analysis in Health Informatics and Bioinformatics, 2022, 11, 6.	2.1	6

#	ARTICLE	IF	CITATIONS
37	ClusterHead Rotation via Domatic Partition in Self-Organizing Sensor Networks. , 2007, , .		5
38	Proactive approach based fast handoff algorithm for VANETs. , 2013, , .		5
39	Improvised k-hop Neighbourhood Knowledge Based Routing in Wireless Sensor Networks. , 2013, , .		5
40	k-channel connected topology control algorithm for cognitive radio networks. , 2016, , .		5
41	Resource Allocation to Maximize Fairness and Minimize Interference for Maximum Spectrum Reuse in 5G Cellular Networks. , 2018, , .		5
42	Truthful Double Auction Based VM Allocation for Revenue-Energy Trade-Off in Cloud Data Centers. , 2019, , .		5
43	Self-Healing for Self-Organizing Cluster Sensor Networks. , 2006, , .		4
44	On self-stabilization of multi point relays for connected dominating set in adhoc networks. , 2009, , .		4
45	Smartphone sensing for large data set collection of potholes. , 2013, , .		4
46	Periodic channel-hopping sequence for rendezvous in cognitive radio networks. , 2015, , .		4
47	Parallel Processing Concept Based Road Traffic Model. Procedia Technology, 2012, 4, 267-271.	1.1	3
48	Multipath routing protocols in Cognitive Radio Networks. , 2014, , .		3
49	Virtual coordinate system using dominating set for GPS-free adhoc networks. Annales Des Telecommunications/Annals of Telecommunications, 2017, 72, 199-208.	2.5	3
50	Distributed Algorithm for Resource Allocation in Downlink Heterogeneous Small Cell Networks. , 2017, , .		3
51	Random Graph Coloring-Based Resource Allocation for Achieving User Level Fairness in Femtocellular LTE-A Networks. Wireless Personal Communications, 2018, 98, 1975-1995.	2.7	3
52	Deep Learning Based Resource Allocation For Auto-Scaling VNFs. , 2019, , .		3
53	EASBVN: efficient approximation scheme for broadcasting in vehicular networks. Wireless Networks, 2021, 27, 339-349.	3.0	3
54	Transfer Learning Based Approach for Pneumonia Detection Using Customized VGG16 Deep Learning Model. Lecture Notes in Networks and Systems, 2022, , 17-28.	0.7	3

#	ARTICLE	IF	CITATIONS
55	Coordinator Rotation via Domatic Partition in Self-Organizing Sensor Networks. , 2007, , .		2
56	Location tracking of fast-paced mobile entity using CDS for VANETs. , 2010, , .		2
57	QoS based opportunistic channel scheduling in cognitive radio networks. , 2014, , .		2
58	An Analysis of Different TCP Variants in Cognitive Radio Networks. , 2014, , .		2
59	Epidemic disease propagation detection algorithm using MapReduce for realistic social contact networks. , 2014, , .		2
60	Opportunistic Spectrum Access in CR Network in Licensed and Unlicensed Channels. , 2015, , .		2
61	Road congestion sensing via crowdsourcing and MapReduce. , 2015, , .		2
62	Channel connectivity in cognitive radio networks for bounded tree-width graphs. International Journal of Communication Systems, 2017, 30, e3319.	2.5	2
63	1-hop neighbour knowledge-based clustering in CRN under opportunistic channel access. International Journal of Communication Networks and Distributed Systems, 2017, 19, 369.	0.4	2
64	IntersectionCast: approximation algorithm for multi-directional broadcast storm in VANETs. International Journal of Communication Networks and Distributed Systems, 2018, 20, 16.	0.4	2
65	Interval graph multi-coloring-based resource reservation for energy-efficient containerized cloud data centers. Journal of Supercomputing, 2021, 77, 4484-4532.	3.6	2
66	Intelligent Computational Techniques for the Better World 2020: Concepts, Methodologies, Tools, and Applications. Studies in Fuzziness and Soft Computing, 2019, , 1-17.	0.8	2
67	Shallow over Deep Neural Networks: A Empirical Analysis for Human Emotion Classification Using Audio Data. Advances in Intelligent Systems and Computing, 2021, , 134-146.	0.6	2
68	Location Updates of Mobile Node in Wireless Sensor Networks. , 2009, , .		1
69	Improvised geographic scheme for greedy perimeter stateless routing. , 2013, , .		1
70	Impact of Bloom Filter on Infection Rate in Epidemic Forwarding for ICNs. Wireless Personal Communications, 2014, 75, 2165-2180.	2.7	1
71	Computing Large Connected Components Using Map Reduce in Logarithmic Rounds. , 2016, , .		1
72	Connectivity in CRNs with bounded tree-width potential graph and its fixed parameter tractability. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
73	Distributed Algorithm for Balanced VM Placement for Heterogeneous Cloud Data Centers. , 2018, , .		1
74	SmartPeak. , 2018, , .		1
75	Factor Graph-based Message Passing Technique for Distributed Resource Allocation in 5G Networks. , 2019, , .		1
76	Parallel Processing Concept Based Vehicular Bridge Traffic Problem. Smart Innovation, Systems and Technologies, 2014, , 1-9.	0.6	1
77	Social Network Aware Routing for Delay Tolerant Networks. Communications in Computer and Information Science, 2011, , 101-110.	0.5	1
78	Self-Rotating Cluster Head for Self-Organizing Cluster Sensor Networks. , 2006, , .		0
79	K Bipartite Partitioning Algorithm for Channel Allocation Problem in Wireless Mesh Networks. , 2009, , .		0
80	Efficient location updates of mobile node in wireless sensor networks. , 2009, , .		0
81	Vehicular communication via compass labeling. , 2011, , .		0
82	Lightweight Software Model for Target Localization in Wireless Sensor Networks. , 2013, , .		0
83	Improvised tree selection algorithm in Greedy Distributed Spanning Tree Routing. , 2014, , .		0
84	On robust k-hop clustering in ad-hoc cognitive radio networks. , 2016, , .		0
85	Fairness while improving smartphone battery life using D2D cooperative relays underlying LTE networks. , 2016, , .		0
86	Balancing Maximal Independent Sets using Hadoop. , 2017, , .		0
87	Distributed Algorithm for Robust and Interference Free Topology in Cognitive Radio Networks. , 2017, , .		0
88	Minimum Interference Topology Control in Cognitive Radio Networks through Channel Assignment. , 2018, , .		0
89	Approximating the largest connected topology in cognitive radio networks. Computer Networks, 2018, 142, 49-63.	5.1	0
90	Machine Learning Based Adaptive Auto-scaling Policy for Resource Orchestration in Kubernetes Clusters. Lecture Notes in Networks and Systems, 2022, , 1-16.	0.7	0