

# Sudip Misra

## List of Publications by Year in descending order

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388  
papers

9,433  
citations

53751

45  
h-index

66879

78  
g-index

389  
all docs

389  
docs citations

389  
times ranked

7369  
citing authors

#	ARTICLE	IF	CITATIONS
1	Wireless sensor networks for agriculture: The state-of-the-art in practice and future challenges. Computers and Electronics in Agriculture, 2015, 118, 66-84.	3.7	630
2	Assessment of the Suitability of Fog Computing in the Context of Internet of Things. IEEE Transactions on Cloud Computing, 2018, 6, 46-59.	3.1	456
3	Cloud Computing Applications for Smart Grid: A Survey. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 1477-1494.	4.0	346
4	Theoretical modelling of fog computing: a green computing paradigm to support IoT applications. IET Networks, 2016, 5, 23-29.	1.1	274
5	Software-Defined Networking for Internet of Things: A Survey. IEEE Internet of Things Journal, 2017, 4, 1994-2008.	5.5	269
6	Lacas: learning automata-based congestion avoidance scheme for healthcare wireless sensor networks. IEEE Journal on Selected Areas in Communications, 2009, 27, 466-479.	9.7	170
7	<i>Detour:</i> Dynamic Task Offloading in Software-Defined Fog for IoT Applications. IEEE Journal on Selected Areas in Communications, 2019, 37, 1159-1166.	9.7	166
8	Soft-WSN: Software-Defined WSN Management System for IoT Applications. IEEE Systems Journal, 2018, 12, 2074-2081.	2.9	130
9	Privacy-preserving blockchain based IoT ecosystem using attribute-based encryption. , 2017, , .		125
10	Wireless sensor network-based fire detection, alarming, monitoring and prevention system for Bord-and-Pillar coal mines. Journal of Systems and Software, 2012, 85, 571-581.	3.3	120
11	Priority-Based Time-Slot Allocation in Wireless Body Area Networks During Medical Emergency Situations: An Evolutionary Game-Theoretic Perspective. IEEE Journal of Biomedical and Health Informatics, 2015, 19, 541-548.	3.9	115
12	On Theoretical Modeling of Sensor Cloud: A Paradigm Shift From Wireless Sensor Network. IEEE Systems Journal, 2017, 11, 1084-1093.	2.9	115
13	Distributed Home Energy Management System With Storage in Smart Grid Using Game Theory. IEEE Systems Journal, 2017, 11, 1857-1866.	2.9	104
14	Coalition Games for Spatio-Temporal Big Data in Internet of Vehicles Environment: A Comparative Analysis. IEEE Internet of Things Journal, 2015, 2, 310-320.	5.5	101
15	Collaborative Learning Automata-Based Routing for Rescue Operations in Dense Urban Regions Using Vehicular Sensor Networks. IEEE Systems Journal, 2015, 9, 1081-1090.	2.9	89
16	Bayesian Coalition Game for Contention-Aware Reliable Data Forwarding in Vehicular Mobile Cloud. Future Generation Computer Systems, 2015, 48, 60-72.	4.9	89
17	An intelligent approach for building a secure decentralized public key infrastructure in VANET. Journal of Computer and System Sciences, 2015, 81, 1042-1058.	0.9	87
18	QoS-Guaranteed Bandwidth Shifting and Redistribution in Mobile Cloud Environment. IEEE Transactions on Cloud Computing, 2014, 2, 181-193.	3.1	78

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19	A simple, least-time, and energy-efficient routing protocol with one-level data aggregation for wireless sensor networks. <i>Journal of Systems and Software</i> , 2010, 83, 852-860.	3.3	77
20	D2P: Distributed Dynamic Pricing Policy in Smart Grid for PHEVs Management. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2015, 26, 702-712.	4.0	77
21	Random Early Detection for Congestion Avoidance in Wired Networks: A Discretized Pursuit Learning-Automata-Like Solution. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2010, 40, 66-76.	5.5	74
22	Energy-Efficient and Distributed Network Management Cost Minimization in Opportunistic Wireless Body Area Networks. <i>IEEE Transactions on Mobile Computing</i> , 2018, 17, 376-389.	3.9	69
23	Game-Theoretic Topology Control for Opportunistic Localization in Sparse Underwater Sensor Networks. <i>IEEE Transactions on Mobile Computing</i> , 2015, 14, 990-1003.	3.9	67
24	Connectivity preserving localized coverage algorithm for area monitoring using wireless sensor networks. <i>Computer Communications</i> , 2011, 34, 1484-1496.	3.1	65
25	Learning Automata-Based QoS Framework for Cloud IaaS. <i>IEEE Transactions on Network and Service Management</i> , 2014, 11, 15-24.	3.2	65
26	Dynamic Algorithms for the Shortest Path Routing Problem: Learning Automata-Based Solutions. <i>IEEE Transactions on Systems, Man, and Cybernetics</i> , 2005, 35, 1179-1192.	5.5	64
27	A learning automata-based fault-tolerant routing algorithm for mobile ad hoc networks. <i>Journal of Supercomputing</i> , 2012, 62, 4-23.	2.4	63
28	A survey of unmanned aerial sensing solutions in precision agriculture. <i>Journal of Network and Computer Applications</i> , 2019, 148, 102461.	5.8	61
29	Digital twin: current scenario and a case study on a manufacturing process. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 107, 3691-3714.	1.5	61
30	Reputation-based role assignment for role-based access control in wireless sensor networks. <i>Computer Communications</i> , 2011, 34, 281-294.	3.1	60
31	Performance Analysis of IEEE 802.15.6 MAC Protocol under Non-Ideal Channel Conditions and Saturated Traffic Regime. <i>IEEE Transactions on Computers</i> , 2015, 64, 2912-2925.	2.4	60
32	From Micro to Nano: The Evolution of Wireless Sensor-Based Health Care. <i>IEEE Pulse</i> , 2016, 7, 21-25.	0.1	60
33	A Cooperative Bargaining Solution for Priority-Based Data-Rate Tuning in a Wireless Body Area Network. <i>IEEE Transactions on Wireless Communications</i> , 2015, 14, 2769-2777.	6.1	59
34	Soft-VAN: Mobility-Aware Task Offloading in Software-Defined Vehicular Network. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 2071-2078.	3.9	59
35	Sway: Traffic-Aware QoS Routing in Software-Defined IoT. <i>IEEE Transactions on Emerging Topics in Computing</i> , 2021, 9, 390-401.	3.2	59
36	Blockchain at the Edge: Performance of Resource-Constrained IoT Networks. <i>IEEE Transactions on Parallel and Distributed Systems</i> , 2021, 32, 174-183.	4.0	59

#	ARTICLE	IF	CITATIONS
37	LACAV: an energy-efficient channel assignment mechanism for vehicular ad hoc networks. <i>Journal of Supercomputing</i> , 2012, 62, 1241-1262.	2.4	56
38	An ant colony optimization approach for reputation and quality-of-service-based security in wireless sensor networks. <i>Security and Communication Networks</i> , 2009, 2, 215-224.	1.0	54
39	Localized policy-based target tracking using wireless sensor networks. <i>ACM Transactions on Sensor Networks</i> , 2012, 8, 1-30.	2.3	53
40	Social choice considerations in cloud-assisted WBAN architecture for post-disaster healthcare: Data aggregation and channelization. <i>Information Sciences</i> , 2014, 284, 95-117.	4.0	53
41	An adaptive learning routing protocol for the prevention of distributed denial of service attacks in wireless mesh networks. <i>Computers and Mathematics With Applications</i> , 2010, 60, 294-306.	1.4	51
42	FogFL: Fog-Assisted Federated Learning for Resource-Constrained IoT Devices. <i>IEEE Internet of Things Journal</i> , 2021, 8, 8456-8463.	5.5	51
43	FlowStat: Adaptive Flow-Rule Placement for Per-Flow Statistics in SDN. <i>IEEE Journal on Selected Areas in Communications</i> , 2019, 37, 530-539.	9.7	50
44	Dynamic Optimal Pricing for Heterogeneous Service-Oriented Architecture of Sensor-Cloud Infrastructure. <i>IEEE Transactions on Services Computing</i> , 2017, 10, 203-216.	3.2	48
45	Real time monitoring and control of friction stir welding process using multiple sensors. <i>CIRP Journal of Manufacturing Science and Technology</i> , 2020, 30, 1-11.	2.3	48
46	EEAODR: An energy-efficient ad hoc on-demand routing protocol for mobile ad hoc networks. <i>International Journal of Communication Systems</i> , 2009, 22, 789-817.	1.6	47
47	AgriSens: IoT-Based Dynamic Irrigation Scheduling System for Water Management of Irrigated Crops. <i>IEEE Internet of Things Journal</i> , 2021, 8, 5023-5030.	5.5	47
48	Information Warfare-Worthy Jamming Attack Detection Mechanism for Wireless Sensor Networks Using a Fuzzy Inference System. <i>Sensors</i> , 2010, 10, 3444-3479.	2.1	46
49	FORK: A novel two-pronged strategy for an agent-based intrusion detection scheme in ad-hoc networks. <i>Computer Communications</i> , 2008, 31, 3855-3869.	3.1	45
50	GPSPA: a new adaptive algorithm for maintaining shortest path routing trees in stochastic networks. <i>International Journal of Communication Systems</i> , 2004, 17, 963-984.	1.6	43
51	Resource-Optimized Multiarmed Bandit-Based Offload Path Selection in Edge UAV Swarms. <i>IEEE Internet of Things Journal</i> , 2019, 6, 4889-4896.	5.5	43
52	LAID: a learning automata-based scheme for intrusion detection in wireless sensor networks. <i>Security and Communication Networks</i> , 2009, 2, 105-115.	1.0	41
53	An efficient approach for distributed dynamic channel allocation with queues for real-time and non-real-time traffic in cellular networks. <i>Journal of Systems and Software</i> , 2009, 82, 1112-1124.	3.3	41
54	Policy controlled self-configuration in unattended wireless sensor networks. <i>Journal of Network and Computer Applications</i> , 2011, 34, 1530-1544.	5.8	41

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55	IoT-to-the-Rescue: A Survey of IoT Solutions for COVID-19-Like Pandemics. IEEE Internet of Things Journal, 2021, 8, 13145-13164.	5.5	41
56	Enabling Green Mobile-Edge Computing for 5G-Based Healthcare Applications. IEEE Transactions on Green Communications and Networking, 2021, 5, 1623-1631.	3.5	40
57	SeeR: Simulated Annealing-Based Routing in Opportunistic Mobile Networks. IEEE Transactions on Mobile Computing, 2017, 16, 2876-2888.	3.9	39
58	Internet of Things for Agricultural Applications: The State of the Art. IEEE Internet of Things Journal, 2021, 8, 10973-10997.	5.5	39
59	D2S: Dynamic Demand Scheduling in Smart Grid Using Optimal Portfolio Selection Strategy. IEEE Transactions on Smart Grid, 2015, 6, 1434-1442.	6.2	38
60	Mils-Cloud: A Sensor-Cloud-Based Architecture for the Integration of Military Tri-Services Operations and Decision Making. IEEE Systems Journal, 2016, 10, 628-636.	2.9	38
61	AT-MAC: Adaptive MAC-Frame Payload Tuning for Reliable Communication in Wireless Body Area Networks. IEEE Transactions on Mobile Computing, 2017, 16, 1516-1529.	3.9	37
62	Coalition Formation for Cooperative Service-Based Message Sharing in Vehicular Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2016, 27, 144-156.	4.0	36
63	Distributed aerial processing for IoT-based edge UAV swarms in smart farming. Computer Networks, 2020, 167, 107038.	3.2	36
64	TRAST: Trust-Based Distributed Topology Management for Wireless Multimedia Sensor Networks. IEEE Transactions on Computers, 2016, 65, 1978-1991.	2.4	35
65	Sensing-cloud: Leveraging the benefits for agricultural applications. Computers and Electronics in Agriculture, 2017, 135, 96-107.	3.7	35
66	Using honeynodes for defense against jamming attacks in wireless infrastructure-based networks. Computers and Electrical Engineering, 2010, 36, 367-382.	3.0	34
67	Existence of dumb nodes in stationary wireless sensor networks. Journal of Systems and Software, 2014, 91, 135-146.	3.3	34
68	Target Tracking Using Sensor-Cloud: Sensor-Target Mapping in Presence of Overlapping Coverage. IEEE Communications Letters, 2014, 18, 1435-1438.	2.5	34
69	Semi-Distributed Backoff: Collision-Aware Migration from Random to Deterministic Backoff. IEEE Transactions on Mobile Computing, 2015, 14, 1071-1084.	3.9	34
70	DROPS: Dynamic Radio Protocol Selection for Energy-Constrained Wearable IoT Healthcare. IEEE Journal on Selected Areas in Communications, 2021, 39, 338-345.	9.7	34
71	Adaptive listen for energy-efficient medium access control in wireless sensor networks. Multimedia Tools and Applications, 2010, 47, 121-145.	2.6	33
72	Optimal gateway selection in sensor-“cloud” framework for health monitoring. IET Wireless Sensor Systems, 2014, 4, 61-68.	1.3	33

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73	Bayesian Coalition Negotiation Game as a Utility for Secure Energy Management in a Vehicles-to-Grid Environment. IEEE Transactions on Dependable and Secure Computing, 2016, 13, 133-145.	3.7	33
74	P2B: Privacy Preserving Identity-Based Broadcast Proxy Re-Encryption. IEEE Transactions on Vehicular Technology, 2020, 69, 5610-5617.	3.9	33
75	Residential Energy Management in Smart Grid: A Markov Decision Process-Based Approach. , 2013, , .		32
76	Game-theoretic energy trading network topology control for electric vehicles in mobile smart grid. IET Networks, 2015, 4, 220-228.	1.1	32
77	Link-Quality-Aware Resource Allocation With Load Balance in Wireless Body Area Networks. IEEE Systems Journal, 2018, 12, 74-81.	2.9	32
78	Dynamic Connectivity Establishment and Cooperative Scheduling for QoS-Aware Wireless Body Area Networks. IEEE Transactions on Mobile Computing, 2018, 17, 2775-2788.	3.9	32
79	Mobi-Flow: Mobility-Aware Adaptive Flow-Rule Placement in Software-Defined Access Network. IEEE Transactions on Mobile Computing, 2019, 18, 1831-1842.	3.9	32
80	A low-overhead fault-tolerant routing algorithm for mobile ad hoc networks: A scheme and its simulation analysis. Simulation Modelling Practice and Theory, 2010, 18, 637-649.	2.2	31
81	Networks of learning automata for the vehicular environment: a performance analysis study. IEEE Wireless Communications, 2014, 21, 41-47.	6.6	31
82	MEGAN: Multipurpose Energy-Efficient, Adaptable, and Low-Cost Wireless Sensor Node for the Internet of Things. IEEE Systems Journal, 2020, 14, 144-151.	2.9	31
83	Cybernetics and Learning Automata. , 2009, , 221-235.		31
84	A probabilistic zonal approach for swarm-inspired wildfire detection using sensor networks. International Journal of Communication Systems, 2008, 21, 1047-1073.	1.6	30
85	An intelligent clustering scheme for distributed intrusion detection in vehicular cloud computing. Cluster Computing, 2015, 18, 1263-1283.	3.5	30
86	i-MAC: In-Body Sensor MAC in Wireless Body Area Networks for Healthcare IoT. IEEE Systems Journal, 2021, 15, 4413-4420.	2.9	30
87	UWSim: A Simulator for Underwater Sensor Networks. Simulation, 2008, 84, 327-338.	1.1	29
88	Dynamic Duty Scheduling for Green Sensor-Cloud Applications. , 2014, , .		29
89	Congestion and overload control techniques in massive M2M systems: a survey. Transactions on Emerging Telecommunications Technologies, 2017, 28, e2936.	2.6	29
90	Routing Bandwidth-Guaranteed Paths in MPLS Traffic Engineering: A Multiple Race Track Learning Approach. IEEE Transactions on Computers, 2007, 56, 959-976.	2.4	28

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91	Distributed topology management for wireless multimedia sensor networks: exploiting connectivity and cooperation. International Journal of Communication Systems, 2015, 28, 1367-1386.	1.6	28
92	CURE: Consistent Update With Redundancy Reduction in SDN. IEEE Transactions on Communications, 2018, 66, 3974-3981.	4.9	28
93	Bio-inspired group mobility model for mobile ad hoc networks based on bird-flocking behavior. Soft Computing, 2012, 16, 437-450.	2.1	27
94	Optimal composition of a virtual sensor for efficient virtualization within sensor-cloud. , 2015, , .		27
95	QoS-aware sensor allocation for target tracking in sensor-cloud. Ad Hoc Networks, 2015, 33, 140-153.	3.4	27
96	Blind Entity Identification for Agricultural IoT Deployments. IEEE Internet of Things Journal, 2019, 6, 3156-3163.	5.5	27
97	Optimal Data Center Scheduling for Quality of Service Management in Sensor-Cloud. IEEE Transactions on Cloud Computing, 2019, 7, 89-101.	3.1	27
98	Blockchain-Enabled Safety-as-a-Service for Industrial IoT Applications. IEEE Internet of Things Magazine, 2020, 3, 19-23.	2.0	27
99	T-Safe: Trustworthy Service Provisioning for IoT-Based Intelligent Transport Systems. IEEE Transactions on Vehicular Technology, 2020, 69, 9509-9517.	3.9	27
100	SEAL: Self-adaptive AUV-based localization for sparsely deployed Underwater Sensor Networks. Computer Communications, 2020, 154, 204-215.	3.1	27
101	Deep Learning-Based Reliable Routing Attack Detection Mechanism for Industrial Internet of Things. Ad Hoc Networks, 2021, 123, 102661.	3.4	27
102	Traffic-Aware Efficient Mapping of Wireless Body Area Networks to Health Cloud Service Providers in Critical Emergency Situations. IEEE Transactions on Mobile Computing, 2018, 17, 2968-2981.	3.9	26
103	Traffic-Aware Dynamic Controller Assignment in SDN. IEEE Transactions on Communications, 2020, 68, 4375-4382.	4.9	26
104	Fault-tolerant routing in adversarial mobile ad hoc networks: an efficient route estimation scheme for non-stationary environments. Telecommunication Systems, 2010, 44, 159-169.	1.6	25
105	Ticâ€Tocâ€Tocâ€Arch: a selfâ€organising virtual architecture for Underwater Sensor Networks. IET Wireless Sensor Systems, 2013, 3, 307-316.	1.3	25
106	AID: A prototype for Agricultural Intrusion Detection using Wireless Sensor Network. , 2015, , .		25
107	Temporal-Correlation-Aware Dynamic Self-Management of Wireless Sensor Networks. IEEE Transactions on Industrial Informatics, 2016, 12, 2127-2138.	7.2	25
108	SensPnP: Seamless Integration of Heterogeneous Sensors With IoT Devices. IEEE Transactions on Consumer Electronics, 2019, 65, 205-214.	3.0	25

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109	Mobil: A 3-dimensional localization scheme for Mobile Underwater Sensor Networks. , 2013, , .		24
110	Learning automata-based multi-constrained fault-tolerance approach for effective energy management in smart grid communication network. Journal of Network and Computer Applications, 2014, 44, 212-219.	5.8	24
111	VSF: An Energy-Efficient Sensing Framework Using Virtual Sensors. IEEE Sensors Journal, 2016, 16, 5046-5059.	2.4	24
112	Situation-Aware Protocol Switching in Software-Defined Wireless Sensor Network Systems. IEEE Systems Journal, 2018, 12, 2353-2360.	2.9	24
113	Dynamic Trust Enforcing Pricing Scheme for Sensors-as-a-Service in Sensor-Cloud Infrastructure. IEEE Transactions on Services Computing, 2021, 14, 1345-1356.	3.2	24
114	HeDI: Healthcare Device Interoperability for IoT-Based e-Health Platforms. IEEE Internet of Things Journal, 2021, 8, 16845-16852.	5.5	24
115	Dynamic coalition formation in a smart grid: A game theoretic approach. , 2013, , .		23
116	Random room mobility model and extra wireless body area network communication in hospital buildings. IET Networks, 2015, 4, 54-64.	1.1	23
117	Efficient Medium Access Control for Cyber-Physical Systems With Heterogeneous Networks. IEEE Systems Journal, 2015, 9, 22-30.	2.9	23
118	Performance Evaluation and Delay-Power Trade-off Analysis of ZigBee Protocol. IEEE Transactions on Mobile Computing, 2019, 18, 404-416.	3.9	23
119	Buffer Size Evaluation of OpenFlow Systems in Software-Defined Networks. IEEE Systems Journal, 2019, 13, 1359-1366.	2.9	23
120	QoE Analysis in Cache-Enabled Multi-UAV Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 6680-6687.	3.9	23
121	Node Stability-Based Location Updating in Mobile Ad-Hoc Networks. IEEE Systems Journal, 2008, 2, 237-247.	2.9	22
122	Auction-Based Optimal Task Offloading in Mobile Cloud Computing. IEEE Systems Journal, 2019, 13, 2978-2985.	2.9	22
123	Safe-Pass@: Dynamic Handoff Scheme for Provisioning Safety-as-a-Service in 5G-Enabled Intelligent Transportation System. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5415-5425.	4.7	22
124	Using ant-based agents for congestion control in ad-hoc wireless sensor networks. Cluster Computing, 2011, 14, 41-53.	3.5	21
125	Dynamic and adaptive data caching mechanism for virtualization within sensor-cloud. , 2014, , .		21
126	Energy-efficient smart metering for green smart grid communication. , 2014, , .		21



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127	Extracting mobility pattern from target trajectory in wireless sensor networks. International Journal of Communication Systems, 2015, 28, 213-230.	1.6	21
128	Safe-aaS: Decision Virtualization for Effecting Safety-as-a-Service. IEEE Internet of Things Journal, 2018, 5, 1690-1697.	5.5	21
129	sHEMO: Smartphone Spectroscopy for Blood Hemoglobin Level Monitoring in Smart Anemia-Care. IEEE Sensors Journal, 2021, 21, 8520-8529.	2.4	21
130	Multiarmed-Bandit-Based Decentralized Computation Offloading in Fog-Enabled IoT. IEEE Internet of Things Journal, 2021, 8, 10010-10017.	5.5	21
131	A probabilistic approach to minimize the conjunctive costs of node replacement and performance loss in the management of wireless sensor networks. IEEE Transactions on Network and Service Management, 2010, 7, 107-117.	3.2	20
132	A stochastic learning automata-based solution for intrusion detection in vehicular ad hoc networks. Security and Communication Networks, 2011, 4, 666-677.	1.0	20
133	Reliable and Efficient Data Acquisition in Wireless Sensor Networks in the Presence of Transfaulty Nodes. IEEE Transactions on Network and Service Management, 2016, 13, 99-112.	3.2	20
134	D2D: Delay-Aware Distributed Dynamic Adaptation of Contention Window in Wireless Networks. IEEE Transactions on Mobile Computing, 2016, 15, 322-335.	3.9	20
135	Cost-Effective Mapping between Wireless Body Area Networks and Cloud Service Providers Based on Multi-Stage Bargaining. IEEE Transactions on Mobile Computing, 2017, 16, 1573-1586.	3.9	20
136	DVSP: Dynamic Virtual Sensor Provisioning in Sensor-Cloud-Based Internet of Things. IEEE Internet of Things Journal, 2019, 6, 5265-5272.	5.5	20
137	AerialBlocks: Blockchain-Enabled UAV Virtualization for Industrial IoT. IEEE Internet of Things Magazine, 2021, 4, 72-77.	2.0	20
138	RiceBioS: Identification of Biotic Stress in Rice Crops Using Edge-as-a-Service. IEEE Sensors Journal, 2022, 22, 4616-4624.	2.4	20
139	An efficient Hash Table-Based Node Identification Method for bandwidth reservation in hybrid cellular and ad-hoc networks. Computer Communications, 2008, 31, 722-733.	3.1	19
140	UAV Virtualization for Enabling Heterogeneous and Persistent UAV-as-a-Service. IEEE Transactions on Vehicular Technology, 2020, 69, 6731-6738.	3.9	19
141	An efficient approach for distributed channel allocation with learning automata-based reservation in cellular networks. Simulation, 2012, 88, 1166-1179.	1.1	18
142	Learning Automata-Based Fault-Tolerant System for Dynamic Autonomous Unmanned Vehicular Networks. IEEE Systems Journal, 2017, 11, 2929-2938.	2.9	18
143	Adaptive learning solution for congestion avoidance in wireless sensor networks. , 2009, , .		17
144	An Adaptive Learning Scheme for Medium Access with Channel Reservation in Wireless Networks. Wireless Personal Communications, 2011, 56, 55-72.	1.8	17

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145	Green Wireless Body Area Nanonetworks: Energy Management and the Game of Survival. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 467-475.	3.9	17
146	Economics of customer's decisions in smart grid. IET Networks, 2015, 4, 37-43.	1.1	17
147	ENTICE: Agent-based energy trading with incomplete information in the smart grid. Journal of Network and Computer Applications, 2015, 55, 202-212.	5.8	17
148	Wireless Body Area Networks with varying traffic in epidemic medical emergency situation. , 2015, , .		17
149	Smart-Evac: Big Data-Based Decision Making for Emergency Evacuation. IEEE Cloud Computing, 2015, 2, 58-65.	5.3	17
150	ENTRUST: Energy trading under uncertainty in smart grid systems. Computer Networks, 2016, 110, 232-242.	3.2	17
151	D3: distributed approach for the detection of dumb nodes in wireless sensor networks. International Journal of Communication Systems, 2017, 30, e2913.	1.6	17
152	S-Nav: Safety-Aware IoT Navigation Tool for Avoiding COVID-19 Hotspots. IEEE Internet of Things Journal, 2021, 8, 6975-6982.	5.5	17
153	Soft-Health: Software-Defined Fog Architecture for IoT Applications in Healthcare. IEEE Internet of Things Journal, 2022, 9, 2455-2462.	5.5	17
154	Connectivity Re-establishment in the Presence of Dumb Nodes in Sensor-Cloud Infrastructure: A Game Theoretic Approach. , 2014, , .		16
155	Opportunistic Mobile Networks. Computer Communications and Networks, 2016, , .	0.8	16
156	DEMANDS: Distributed Energy Management Using Noncooperative Scheduling in Smart Grid. IEEE Systems Journal, 2018, 12, 2645-2653.	2.9	16
157	A Range-Based Approach for Long-Term Forecast of Weather Using Probabilistic Markov Model. , 2018, , .		16
158	DIVISOR: Dynamic virtual sensor formation for overlapping region in IoT-based sensor-cloud. , 2018, , .		16
159	ECoR: Energy-Aware Collaborative Routing for Task Offload in Sustainable UAV Swarms. IEEE Transactions on Sustainable Computing, 2020, 5, 514-525.	2.2	16
160	Connectivity Reestablishment in Self-Organizing Sensor Networks with Dumb Nodes. ACM Transactions on Autonomous and Adaptive Systems, 2016, 10, 1-30.	0.4	16
161	Secure socket layer certificate verification: a learning automata approach. Security and Communication Networks, 2014, 7, 1712-1718.	1.0	15
162	A PKI Adapted Model for Secure Information Dissemination in Industrial Control and Automation 6LoWPANs. IEEE Access, 2015, 3, 875-889.	2.6	15

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163	Bayesian Coalition Game-based optimized clustering in Wireless Sensor Networks. , 2015, , .		15
164	Detouring dynamic routing holes in stationary wireless sensor networks in the presence of temporarily misbehaving nodes. International Journal of Communication Systems, 2017, 30, e3009.	1.6	15
165	Learning automata based optimized multipath routing using leapfrog algorithm for VANETs. , 2017, , .		15
166	C2C: Community-Based Cooperative Energy Consumption in Smart Grid. IEEE Transactions on Smart Grid, 2018, 9, 4262-4269.	6.2	15
167	Blockchain-Enabled SDN for Securing Fog-Based Resource-Constrained IoT. , 2020, , .		15
168	An efficient pursuit automata approach for estimating stable all-pairs shortest paths in stochastic network environments. International Journal of Communication Systems, 2009, 22, 441-468.	1.6	14
169	Energy-efficient data transmission in sensor-cloud. , 2015, , .		14
170	Link-Quality Aware Path Selection in the Presence of Proactive Jamming in Fallible Wireless Sensor Networks. IEEE Transactions on Communications, 2018, 66, 1689-1704.	4.9	14
171	FlowMan: QoS-Aware Dynamic Data Flow Management in Software-Defined Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 1366-1373.	9.7	14
172	XiA: Send-It-Anyway Q-Routing for 6G-Enabled UAV-LEO Communications. IEEE Transactions on Network Science and Engineering, 2021, 8, 2722-2731.	4.1	14
173	Analysis of reliability and throughput under saturation condition of IEEE 802.15.6 CSMA/CA for wireless body area networks. , 2014, , .		13
174	Mobility-Aware Flow-Table Implementation in Software-Defined IoT. , 2016, , .		13
175	Learning automata based decision making algorithm for task offloading in mobile cloud. , 2016, , .		13
176	QoS-Aware Adaptive Flow-Rule Aggregation in Software-Defined IoT. , 2018, , .		13
177	CARE: Criticality-Aware Data Transmission in CPS-Based Healthcare Systems. , 2018, , .		13
178	QoS-Aware Dispersed Dynamic Mapping of Virtual Sensors in Sensor-Cloud. IEEE Transactions on Services Computing, 2021, 14, 1970-1980.	3.2	13
179	Dynamic Big-Data Broadcast in Fat-Tree Data Center Networks With Mobile IoT Devices. IEEE Systems Journal, 2019, 13, 2898-2905.	2.9	13
180	DENSE: Dynamic Edge Node Selection for Safety-as-a-Service. , 2019, , .		13

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181	AMOPE: Performance Analysis of OpenFlow Systems in Software-Defined Networks. IEEE Systems Journal, 2020, 14, 124-131.	2.9	13
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183	DART: Data Plane Load Reduction for Traffic Flow Migration in SDN. IEEE Transactions on Communications, 2021, 69, 1765-1774.	4.9	13
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