

Abbas Jamalipour

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3261123/publications.pdf>

Version: 2024-02-01

309
papers

5,083
citations

126907

33
h-index

182427

51
g-index

313
all docs

313
docs citations

313
times ranked

4649
citing authors

#	ARTICLE	IF	CITATIONS
1	Modeling air-to-ground path loss for low altitude platforms in urban environments. , 2014, , .		749
2	Enabling interference-aware and energy-efficient coexistence of multiple wireless body area networks with unknown dynamics. IEEE Access, 2016, 4, 2935-2951.	4.2	153
3	Machine Learning Inspired Sound-Based Amateur Drone Detection for Public Safety Applications. IEEE Transactions on Vehicular Technology, 2019, 68, 2526-2534.	6.3	150
4	Optimized Energy and Information Relaying in Self-Sustainable IRS-Empowered WPCN. IEEE Transactions on Communications, 2021, 69, 619-633.	7.8	112
5	Toward the Evolution of Wireless Powered Communication Networks for the Future Internet of Things. IEEE Network, 2017, 31, 62-69.	6.9	100
6	A Dynamic Anomaly Detection Scheme for AODV-Based Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2471-2481.	6.3	97
7	Lab-in-a-Phone: Smartphone-Based Portable Fluorometer for pH Measurements of Environmental Water. IEEE Sensors Journal, 2015, 15, 5095-5102.	4.7	86
8	A Lightweight Intrusion Detection for Sybil Attack Under Mobile RPL in the Internet of Things. IEEE Internet of Things Journal, 2020, 7, 379-388.	8.7	85
9	Exploring the routing strategies in next-generation satellite networks. IEEE Wireless Communications, 2007, 14, 79-88.	9.0	83
10	Stochastic Geometry Study on Device-to-Device Communication as a Disaster Relief Solution. IEEE Transactions on Vehicular Technology, 2016, 65, 3005-3017.	6.3	80
11	Leveraging Communicating UAVs for Emergency Vehicle Guidance in Urban Areas. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1070-1082.	4.6	73
12	On-Board Deep Q-Network for UAV-Assisted Online Power Transfer and Data Collection. IEEE Transactions on Vehicular Technology, 2019, 68, 12215-12226.	6.3	69
13	Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 7723-7734.	6.3	68
14	UAV-Empowered Disaster-Resilient Edge Architecture for Delay-Sensitive Communication. IEEE Network, 2019, 33, 124-132.	6.9	65
15	ECaD: Energy-efficient routing in flying ad hoc networks. International Journal of Communication Systems, 2019, 32, e4156.	2.5	64
16	Internet of Things 2.0: Concepts, Applications, and Future Directions. IEEE Access, 2021, 9, 70961-71012.	4.2	61
17	Intrusion detection in smart cities using Restricted Boltzmann Machines. Journal of Network and Computer Applications, 2019, 135, 76-83.	9.1	59
18	Joint Optimization of UAV 3-D Placement and Path-Loss Factor for Energy-Efficient Maximal Coverage. IEEE Internet of Things Journal, 2021, 8, 9776-9786.	8.7	59

#	ARTICLE	IF	CITATIONS
19	A Hybrid-Fuzzy Logic Guided Genetic Algorithm (H-FLGA) Approach for Resource Optimization in 5G VANETs. IEEE Transactions on Vehicular Technology, 2019, 68, 6964-6974.	6.3	51
20	Stable Clustering and Communications in Pseudolinear Highly Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3769-3777.	6.3	50
21	FlowStat: Adaptive Flow-Rule Placement for Per-Flow Statistics in SDN. IEEE Journal on Selected Areas in Communications, 2019, 37, 530-539.	14.0	50
22	Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5508-5520.	6.3	46
23	Rate and Power Adaptation for Analog Network Coding. IEEE Transactions on Vehicular Technology, 2011, 60, 2302-2313.	6.3	45
24	NIS01-2: A Collusion Attack Against OLSR-based Mobile Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	44
25	A cooperative cache-based content delivery framework for intermittently connected mobile ad hoc networks. IEEE Transactions on Wireless Communications, 2010, 9, 366-373.	9.2	40
26	Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5929-5939.	9.2	40
27	Replay Attack Detection in Smart Cities Using Deep Learning. IEEE Access, 2020, 8, 137825-137837.	4.2	40
28	Joint Optimization of Trajectory, Propulsion, and Thrust Powers for Covert UAV-on-UAV Video Tracking and Surveillance. IEEE Transactions on Information Forensics and Security, 2021, 16, 1959-1972.	6.9	39
29	User Grouping and Energy Harvesting in UAV-NOMA System With AF/DF Relaying. IEEE Transactions on Vehicular Technology, 2021, 70, 11855-11868.	6.3	39
30	SAT04-3: ELB: An Explicit Load Balancing Routing Protocol for Multi-Hop N GEO Satellite Constellations. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	36
31	Priority-based adaptive routing in N GEO satellite networks. International Journal of Communication Systems, 2007, 20, 313-333.	2.5	36
32	Throughput Maximization in Dual-Hop Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9304-9312.	6.3	35
33	Mobility-Aware Energy-Efficient Parent Selection Algorithm for Low Power and Lossy Networks. IEEE Internet of Things Journal, 2019, 6, 2593-2601.	8.7	35
34	Amateur Drone Surveillance: Applications, Architectures, Enabling Technologies, and Public Safety Issues: Part 2. IEEE Communications Magazine, 2018, 56, 66-67.	6.1	34
35	UAV Placement and Power Allocation in Uplink and Downlink Operations of Cellular Network. IEEE Transactions on Communications, 2020, 68, 4383-4393.	7.8	34
36	Link stability estimation based on link connectivity changes in mobile ad-hoc networks. Journal of Network and Computer Applications, 2012, 35, 2051-2058.	9.1	33

#	ARTICLE	IF	CITATIONS
37	Joint User Pairing and Resource Allocation in a SWIPT-Enabled Cooperative NOMA System. IEEE Transactions on Vehicular Technology, 2021, 70, 6826-6840.	6.3	33
38	Distributed MAC Protocol Supporting Physical-Layer Network Coding. IEEE Transactions on Mobile Computing, 2013, 12, 1023-1036.	5.8	32
39	Extensive Cooperative Caching in D2D Integrated Cellular Networks. IEEE Communications Letters, 2017, 21, 2101-2104.	4.1	32
40	Multidimensional Cooperative Caching in CoMP-Integrated Ultra-Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 1977-1989.	9.2	32
41	Early warning smartphone diagnostics for water security and analysis using real-time pH mapping. Photonic Sensors, 2015, 5, 289-297.	5.0	29
42	Software-Defined Coexisting UAV and WiFi: Delay-Oriented Traffic Offloading and UAV Placement. IEEE Journal on Selected Areas in Communications, 2020, 38, 988-998.	14.0	29
43	IRS-Assisted Downlink and Uplink NOMA in Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 1083-1088.	6.3	29
44	Constellation mapping for physical-layer network coding with M-QAM modulation. , 2012, , .		28
45	Synchronous Physical-Layer Network Coding: A Feasibility Study. IEEE Transactions on Wireless Communications, 2013, 12, 4048-4057.	9.2	28
46	Optimal Resource Allocation in Backscatter Assisted WPCN With Practical Energy Harvesting Model. IEEE Transactions on Vehicular Technology, 2019, 68, 12406-12410.	6.3	28
47	Turning the Signal Interference Into Benefits: Towards Indoor Self-Powered Visible Light Communication for IoT Devices in Industrial Radio-Hostile Environments. IEEE Access, 2019, 7, 24978-24989.	4.2	28
48	BRT: Bus-Based Routing Technique in Urban Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4550-4562.	8.0	28
49	An eco-inspired energy efficient access network architecture for next generation cellular systems. , 2011, , .		27
50	AIM: Adaptive Internetwork interference mitigation amongst co-existing wireless body area networks. , 2014, , .		27
51	Enabling Situation Awareness at Intersections for IVC Congestion Control Mechanisms. IEEE Transactions on Mobile Computing, 2016, 15, 1674-1685.	5.8	27
52	Optimal Resource Allocation for Multiuser Internet of Things Network With Single Wireless-Powered Relay. IEEE Internet of Things Journal, 2019, 6, 3132-3142.	8.7	27
53	A Routing Framework for Offloading Traffic From Cellular Networks to SDN-Based Multi-Hop Device-to-Device Networks. IEEE Transactions on Network and Service Management, 2018, 15, 1516-1531.	4.9	26
54	A Taxonomy of Machine-Learning-Based Intrusion Detection Systems for the Internet of Things: A Survey. IEEE Internet of Things Journal, 2022, 9, 9444-9466.	8.7	26

#	ARTICLE	IF	CITATIONS
55	A study of a routing attack in OLSR-based mobile ad hoc networks. International Journal of Communication Systems, 2007, 20, 1245-1261.	2.5	24
56	Accumulate Then Transmit: Toward Secure Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6301-6310.	6.3	24
57	Blockchain in IoT Security: A Survey. , 2018, , .		24
58	Multi-Agent DRL-Based Hungarian Algorithm (MADRLHA) for Task Offloading in Multi-Access Edge Computing Internet of Vehicles (IoVs). IEEE Transactions on Wireless Communications, 2022, 21, 7641-7652.	9.2	24
59	A Unified Mobility and Session Management Platform for Next Generation Mobile Networks. , 2007, , .		23
60	Federated Multi-Agent Deep Reinforcement Learning for Resource Allocation of Vehicle-to-Vehicle Communications. IEEE Transactions on Vehicular Technology, 2022, 71, 8810-8824.	6.3	23
61	Wireless Virtual Reality in Beyond 5G Systems with the Internet of Intelligence. IEEE Wireless Communications, 2021, 28, 70-77.	9.0	22
62	An End-to-End (E2E) Network Slicing Framework for 5G Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7103-7112.	6.3	22
63	A Novel Scheme to Reduce Control Overhead and Increase Link Duration in Highly Mobile Ad Hoc Networks. , 2007, , .		20
64	A Unified Routing Framework for Integrated Space/Air Information Networks. IEEE Access, 2016, 4, 7084-7103.	4.2	20
65	A Hybrid Deep Learning Approach for Replay and DDoS Attack Detection in a Smart City. IEEE Access, 2021, 9, 154864-154875.	4.2	20
66	DEMAPS: A Load-Transition-Based Mobility Management Scheme for an Efficient Selection of MAP in Mobile IPv6 Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 954-965.	6.3	19
67	An analytical evaluation of mobility management in integrated WLAN-UMTS networks. Computers and Electrical Engineering, 2010, 36, 735-751.	4.8	19
68	Caching in Heterogeneous Ultradense 5G Networks: A Comprehensive Cooperation Approach. IEEE Vehicular Technology Magazine, 2019, 14, 22-32.	3.4	19
69	A protocoperation-based sleep-wake architecture for next generation green cellular access networks. , 2010, , .		18
70	Improving Throughput of 5G Cellular Networks via 3D Placement Optimization of Logistics Drones. IEEE Transactions on Vehicular Technology, 2021, 70, 1448-1460.	6.3	18
71	New NOMA-Based Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15314-15324.	6.3	18
72	Deep-Graph-Based Reinforcement Learning for Joint Cruise Control and Task Offloading for Aerial Edge Internet of Things (EdgeloT). IEEE Internet of Things Journal, 2022, 9, 21676-21686.	8.7	18

#	ARTICLE	IF	CITATIONS
73	Accuracy, latency, and energy cross-optimization in wireless sensor networks through infection spreading. International Journal of Communication Systems, 2011, 24, 628-646.	2.5	17
74	On the impact of network geometric models on multicell cooperative communication systems. IEEE Wireless Communications, 2013, 20, 75-81.	9.0	17
75	Backscatter-Assisted Wireless Powered Communication Networks Empowered by Intelligent Reflecting Surface. IEEE Transactions on Vehicular Technology, 2021, 70, 11908-11922.	6.3	17
76	Disguised Tailing and Video Surveillance With Solar-Powered Fixed-Wing Unmanned Aerial Vehicle. IEEE Transactions on Vehicular Technology, 2022, 71, 5507-5518.	6.3	17
77	EBA: Energy Balancing Algorithm for Fog-IoT Networks. IEEE Internet of Things Journal, 2019, 6, 6843-6849.	8.7	16
78	Deep Q-Learning based Resource Management in UAV-assisted Wireless Powered IoT Networks. , 2020, , .		16
79	Online Velocity Control and Data Capture of Drones for the Internet of Things: An Onboard Deep Reinforcement Learning Approach. IEEE Vehicular Technology Magazine, 2021, 16, 49-56.	3.4	16
80	Energy-Efficient Resource Allocation for UAV-Assisted Vehicular Networks With Spectrum Sharing. IEEE Transactions on Vehicular Technology, 2022, 71, 7691-7702.	6.3	16
81	An adaptive path routing scheme for satellite IP networks. International Journal of Communication Systems, 2003, 16, 5-21.	2.5	15
82	Fastest Distributed Consensus Problem on Fusion of Two Star Sensor Networks. IEEE Sensors Journal, 2011, 11, 2494-2506.	4.7	15
83	A smart city cyber security platform for narrowband networks. , 2017, , .		15
84	A Blockchain Assisted Vehicular Pseudonym Issuance and Management System for Conditional Privacy Enhancement. IEEE Access, 2021, 9, 127305-127319.	4.2	15
85	A Novel Information Acquisition Technique for Mobile-Assisted Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 1752-1761.	6.3	14
86	Random access issues for smart grid communication in LTE networks. , 2014, , .		14
87	EM-Based High Speed Wireless Sensor Networks for Underwater Surveillance and Target Tracking. Journal of Sensors, 2017, 2017, 1-14.	1.1	14
88	Optimal Best Path Selection Algorithm for Cluster-Based Multi-Hop MIMO Cooperative Transmission for Vehicular Communications. IEEE Transactions on Vehicular Technology, 2019, 68, 8314-8321.	6.3	14
89	A three-tier SDN architecture for DenseNets. , 2015, , .		13
90	Charge-Then-Cooperate: Secure Resource Allocation for Wireless-Powered Relay Networks With Wireless Energy Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 5088-5093.	6.3	13

#	ARTICLE	IF	CITATIONS
91	A Heuristic Distributed Scheme to Detect Falsification of Mobility Patterns in Internet of Vehicles. IEEE Internet of Things Journal, 2022, 9, 719-727.	8.7	13
92	End-to-end QoS support for IP and multimedia traffic in heterogeneous mobile networks. Computer Communications, 2006, 29, 671-682.	5.1	12
93	Channel Occupancy Time Based TCP Rate Control for Improving Fairness in IEEE 802.11 DCF. IEEE Transactions on Vehicular Technology, 2010, 59, 2974-2985.	6.3	12
94	Symbol error rate analysis for M-QAM modulated physical-layer network coding with phase errors. , 2012, , .		12
95	Toward self-organizing sectorization of LTE eNBs for energy efficient network operation under QoS constraints. , 2013, , .		12
96	Data Persistency in Wireless Sensor Networks Using Distributed Luby Transform Codes. IEEE Sensors Journal, 2013, 13, 4880-4890.	4.7	12
97	A Context-Aware M2M-Based Middleware for Service Selection in Mobile Ad-Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2014, 25, 3056-3065.	5.6	12
98	Optimal Cluster Head Spacing for Energy-Efficient Communication in Aerial-Backhauled Networks. , 2015, , .		12
99	Adaptive Resource Allocation in SWIPT-Enabled Cognitive IoT Networks. IEEE Internet of Things Journal, 2022, 9, 535-545.	8.7	12
100	Cache-Based Content Delivery in Opportunistic Mobile Ad Hoc Networks. , 2008, , .		11
101	EAR-BAN: Energy efficient adaptive routing in Wireless Body Area Networks. , 2013, , .		11
102	Protecting Cyber Physical Systems Using a Learned MAPE-K Model. IEEE Access, 2019, 7, 90954-90963.	4.2	11
103	Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 10019-10032.	6.3	11
104	Measurement-based admission control scheme with priority and service classes for application in wireless IP networks. International Journal of Communication Systems, 2003, 16, 535-551.	2.5	10
105	A New Stable Clustering Scheme for Pseudo-Linear Highly Mobile Ad Hoc Networks. , 2007, , .		10
106	Cooperative communication with asymmetric channel state information: A contract theoretic modeling approach. China Communications, 2013, 10, 31-43.	3.2	10
107	A Three-Tier SDN based distributed mobility management architecture for DenseNets. , 2016, , .		10
108	A QoS-Oriented High-Efficiency Resource Allocation Scheme in Wireless Multimedia Sensor Networks. IEEE Sensors Journal, 2017, 17, 1538-1548.	4.7	10

#	ARTICLE	IF	CITATIONS
109	On the Application of Agglomerative Hierarchical Clustering for Cache-Assisted D2D Networks. , 2019, , .		10
110	Multipath Doppler Routing with QoS Support in Pseudo-linear Highly Mobile Ad Hoc Networks. , 2006, , .		9
111	Performance Evaluation of Optimized Forwarding Strategy for Flat Sensor Networks. , 2007, , .		9
112	An optimized forwarding protocol for lifetime extension of wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 103-115.	1.2	9
113	Combating against internet worms in large-scale networks: an autonomic signature-based solution. Security and Communication Networks, 2009, 2, 11-28.	1.5	9
114	An Epidemic P2P Content Search Mechanism for Intermittently Connected Mobile Ad Hoc Networks. , 2009, , .		9
115	Cooperative communication and relay selection under asymmetric information. , 2012, , .		9
116	Energy-Aware Dynamic Sectorization of Base Stations in Multi-Cell OFDMA Networks. IEEE Wireless Communications Letters, 2013, 2, 587-590.	5.0	9
117	Optimal power allocation for distributed blue estimation with linear spatial collaboration. , 2014, , .		9
118	Mobility management in three-tier SDN architecture for DenseNets. , 2016, , .		9
119	An Outage Performance Analysis with Moving Relays on Suburban Trains for Uplink. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	6.3	9
120	Analysis of Effective Capacity and Throughput of Polling-Based Device-To-Device Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8656-8666.	6.3	9
121	Millimeter Wave Based Real-Time Sag Measurement and Monitoring System of Overhead Transmission Lines in a Smart Grid. IEEE Access, 2020, 8, 100754-100767.	4.2	9
122	Blockchain and SDN Architecture for Spectrum Management in Cellular Networks. IEEE Access, 2020, 8, 94415-94428.	4.2	9
123	Energy Optimization in Association-Free Fog-IoT Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 404-412.	5.5	9
124	UAV-Aided Cellular Operation by User Offloading. IEEE Internet of Things Journal, 2021, 8, 9855-9864.	8.7	9
125	A Self-Adaptive Deep Learning-Based Algorithm for Predictive Analysis of Bitcoin Price. IEEE Access, 2021, 9, 34054-34066.	4.2	9
126	Incentive-Based Caching and Communication in a Clustered D2D Network. IEEE Internet of Things Journal, 2022, 9, 3313-3320.	8.7	9

#	ARTICLE	IF	CITATIONS
127	Artificial Intelligence-Driven Real-Time Automatic Modulation Classification Scheme for Next-Generation Cellular Networks. IEEE Access, 2021, 9, 155584-155597.	4.2	9
128	SAT05-1: Design Guidelines for a Global and Self-Managed LEO Satellites-Based Sensor Network. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	8
129	Two-Layer Optimized Forwarding for Cluster-Based Sensor Networks. , 2006, , .		8
130	On data gathering and security in wireless sensor networks. , 2007, , .		8
131	On the Broadcast Latency in Finite Cooperative Wireless Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1307-1313.	9.2	8
132	Effect of altruism and punishment on selfish behavior for cooperation in Vehicular Networks. , 2012, , .		8
133	On the impact of relay-side channel state information on opportunistic relaying. , 2013, , .		8
134	Coverage Analysis for Multi-Request Association Model (MRAM) in a Caching Ultra-Dense Network. IEEE Transactions on Vehicular Technology, 2019, 68, 3882-3889.	6.3	8
135	Multi-Operator Cooperation for Green Cellular Networks With Spatially Separated Base Stations Under Dynamic User Associations. IEEE Transactions on Green Communications and Networking, 2019, 3, 93-107.	5.5	8
136	Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. IEEE Transactions on Vehicular Technology, 2020, 69, 8013-8017.	6.3	8
137	Smart-Cluster-Based Distributed Caching for Fog-IoT Networks. IEEE Internet of Things Journal, 2021, 8, 3875-3884.	8.7	8
138	An On-Chain Analysis-Based Approach to Predict Ethereum Prices. IEEE Access, 2021, 9, 167972-167989.	4.2	8
139	TCP performance in wireless networks with delay spike and different initial congestion window sizes. Computer Communications, 2006, 29, 926-933.	5.1	7
140	Securing the next generation mobile network. Security and Communication Networks, 2008, 1, 25-43.	1.5	7
141	An architecture for mobility management in interworked 3G cellular and WiMAX Networks. Wireless Telecommunications Symposium, 2009 WTS 2009, 2008, , .	0.0	7
142	MAC framework for Intermittently Connected Cognitive Radio networks. , 2009, , .		7
143	Two level cooperation for energy efficiency in multi-RAN cellular network environment. , 2012, , .		7
144	An Economic Welfare Preserving Framework for Spot Pricing and Hedging of Spectrum Rights for Cognitive Radio. IEEE Transactions on Network and Service Management, 2012, 9, 87-99.	4.9	7

#	ARTICLE	IF	CITATIONS
145	M2M-Based Service Coverage for Mobile Users in Post-Emergency Environments. IEEE Transactions on Vehicular Technology, 2014, 63, 3294-3303.	6.3	7
146	Optimized resource allocation in LTE networks incorporating delay-sensitive smart grid traffic. , 2016, , .		7
147	Energy efficiency of combined DPS and JT CoMP technique in downlink LTE-A cellular networks. , 2016, , .		7
148	A Novel Random Access Mechanism for Timely Reliable Communications for Smart Meters. IEEE Transactions on Industrial Informatics, 2017, 13, 3256-3264.	11.3	7
149	Fairness enhancement in dual-hop wireless powered communication networks. , 2017, , .		7
150	Probability-based opportunity dynamic adaptation (PODA) of contention window for home M2M networks. Journal of Network and Computer Applications, 2019, 144, 1-12.	9.1	7
151	Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 9356-9363.	6.3	7
152	Dynamic Aerial Wireless Power Transfer Optimization. IEEE Transactions on Vehicular Technology, 2022, 71, 4010-4022.	6.3	7
153	TCP throughput and fairness performance in presence of delay spikes in wireless networks. International Journal of Communication Systems, 2005, 18, 395-407.	2.5	6
154	Bilateral Shapley Value Based Cooperative Gateway Selection in Congested Wireless Mesh Networks. , 2008, , .		6
155	Optimized message delivery framework using fuzzy logic for intermittently connected mobile ad hoc networks.. Wireless Communications and Mobile Computing, 2009, 9, 501-512.	1.2	6
156	Pricing of Cognitive Radio Rights to Maintain the Risk-Reward of Primary User Spectrum Investment. , 2010, , .		6
157	Opportunistic Virtual Backbone Construction in Intermittently Connected Mobile Ad Hoc Networks. , 2011, , .		6
158	An exact solution to degree distribution optimization in LT codes. , 2014, , .		6
159	A MANET-based semantic traffic management framework for ubiquitous public safety networks. Wireless Communications and Mobile Computing, 2014, 14, 1127-1142.	1.2	6
160	Exploiting Unknown Dynamics in Communications Amongst Coexisting Wireless Body Area Networks. , 2015, , .		6
161	Topology Control and Routing Based on Adaptive RF/FSO Switching in Space-Air Integrated Networks. , 2016, , .		6
162	Delay-Oriented Spectrum Sharing and Traffic Offloading in Coexisting UAV-Enabled Cellular and WiFi Networks. , 2018, , .		6

#	ARTICLE	IF	CITATIONS
163	A Machine Learning Approach for Intrusion Detection in Smart Cities. , 2019, , .		6
164	A Comprehensive Access Point Placement for IoT Data Transmission Through Train-Wayside Communications in Multi-Environment Based Rail Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 11937-11949.	6.3	6
165	Contractâ€auction based distributed resource allocation for cooperative communications. IET Communications, 2016, 10, 1087-1095.	2.2	6
166	Bit-error-rate Performance Improvement in Wireless Multi-hop Ad Hoc Networks using Route Diversity Considerations. , 2006, , .		5
167	NXG04-5: Fair Call Admission Control for Prioritizing Vertical Handoff in Multi-Traffic B3G Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
168	Network Application Identification Using Transition Pattern of Payload Length. , 2008, , .		5
169	Multi-path routing for a cognitive Wireless Mesh Network. , 2009, , .		5
170	Opportunistic node authentication in intermittently connected mobile ad hoc networks. , 2010, , .		5
171	A Cooperative Cellular Architecture with Emphasis on Traffic Load Balancing. , 2010, , .		5
172	Opportunistic geocast in large scale intermittently connected mobile ad hoc networks. , 2011, , .		5
173	A multi-path cognitive resource management mechanism for QoS provisioning in wireless mesh networks. Wireless Networks, 2011, 17, 277-290.	3.0	5
174	Opportunistic Geocast in Disruption-Tolerant Networks. , 2011, , .		5
175	Ecological competition based resource control for sustainable heterogeneous wireless networks. , 2011, , .		5
176	Localization in wireless sensor networks by constrained simultaneous perturbation stochastic approximation technique. , 2012, , .		5
177	On the energy efficiency of self-organizing LTE cellular access networks. , 2012, , .		5
178	Contract design for relay-based cooperative communication with hidden channel state information. , 2012, , .		5
179	Optimal resource allocation for Smart Grid applications in high traffic wireless networks. , 2014, , .		5
180	A Contract-Auction Mechanism for Multi-Relay Cooperative Wireless Networks. , 2014, , .		5

#	ARTICLE	IF	CITATIONS
181	Smart meter packet transmission via the control signal of LTE networks. , 2015, , .		5
182	Joint Encoding and Grouping Multiple Node Pairs for Physical-Layer Network Coding With Low-Complexity Algorithm. IEEE Transactions on Vehicular Technology, 2017, 66, 9275-9286.	6.3	5
183	PCF-Based LTE Wi-Fi Aggregation for Coordinating and Offloading the Cellular Traffic to D2D Network. IEEE Transactions on Vehicular Technology, 2018, 67, 12193-12203.	6.3	5
184	Energy Consumption Tradeoff for Association-Free Fog-IoT. , 2019, , .		5
185	MAC Protocol for Underwater Sensor Networks Using EM Wave With TDMA Based Control Channel. IEEE Access, 2020, 8, 168439-168455.	4.2	5
186	Mobility Model for Contact-Aware Data Offloading Through Train-to-Train Communications in Rail Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 597-609.	8.0	5
187	QoS-aware mobility support architecture for next generation mobile networks. Wireless Communications and Mobile Computing, 2005, 5, 887-898.	1.2	4
188	NXG04-2: A Negotiation-Based Network Selection Scheme for Next-Generation Mobile Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
189	NIS07-4: Traitor Tracing Technology of Streaming Contents Delivery using Traffic Pattern in Wired/Wireless Environments. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
190	Performance of Channel Information Estimation Method Utilizing Parity Check Bits for Turbo Coded Multi-route Multi-hop Networks. , 2006, , .		4
191	An Efficient Signature-Based Approach for Automatic Detection of Internet Worms over Large-Scale Networks. , 2006, , .		4
192	Designing an Application-Aware Routing Protocol for Wireless Sensor Networks. , 2008, , .		4
193	3D Location Estimation in Urban Cellular Systems Using the Overhearing Model. , 2011, , .		4
194	Resource competition at the NGN core network: An ecologically inspired analysis. , 2011, , .		4
195	Phase-level synchronization for physical-layer network coding. , 2012, , .		4
196	Ecologically inspired equitable resource distribution between heterogeneous service classes in the NGN. , 2012, , .		4
197	Location Estimation Using Geometry of Overhearing Under Shadow Fading Conditions. IEEE Transactions on Wireless Communications, 2012, 11, 4140-4149.	9.2	4
198	Relay selection scheme for cooperative communication networks using contract theory. , 2013, , .		4

#	ARTICLE	IF	CITATIONS
199	Optimal Cluster Head Spacing for Energy-Efficient Communication in Aerial-Backhauled Networks. , 2014, , .		4
200	Almost as good as single-hop full-duplex: bidirectional end-to-end known interference cancellation. , 2015, , .		4
201	Traffic offloading techniques for 5G cellular: a three-tiered SDN architecture. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 583-593.	2.5	4
202	Efficient beamforming and spectral efficiency maximization in a joint transmission system using an adaptive particle swarm optimization algorithm. Applied Soft Computing Journal, 2016, 49, 759-769.	7.2	4
203	SkopEdge: A Traffic-Aware Edge-Based Remote Auscultation Monitor. , 2020, , .		4
204	A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5718-5722.	6.3	4
205	Statistical Learning-Based Grant-Free Access for Delay-Sensitive Internet of Things Applications. IEEE Transactions on Vehicular Technology, 2022, 71, 5492-5506.	6.3	4
206	Adaptive directional-aware location update strategy. International Journal of Communication Systems, 2004, 17, 141-161.	2.5	3
207	On the use of WiMAX as the terrestrial segment for DVB-SH networks. , 2008, , .		3
208	Analysis of Signaling Cost for a Roaming User in a Heterogeneous Mobile Data Network. , 2008, , .		3
209	A Fuzzy Logic-based Delivery Framework for Optimized Routing in Mobile Ad Hoc Networks. , 2008, , .		3
210	NETwork MObility (NEMO) Support in Interworking Heterogeneous Mobile Networks. , 2010, , .		3
211	Fastest mixing Markov chain on symmetric K-partite sensor networks. , 2011, , .		3
212	A correlative study of cooperation enforcement mechanisms. , 2011, , .		3
213	Content-based routing using multicasting for Vehicular Networks. , 2012, , .		3
214	Traffic-aware two-dimensional dynamic network provisioning for energy-efficient cellular systems. Transactions on Emerging Telecommunications Technologies, 2016, 27, 357-372.	3.9	3
215	Authentication process enhancements in WiMAX networks. Security and Communication Networks, 2016, 9, 4703-4725.	1.5	3
216	On the authentication and re-authentication protocols in LTE-WLAN interworking architecture. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3031.	3.9	3

#	ARTICLE	IF	CITATIONS
217	Throughput Maximization in Backscatter Assisted Wireless Powered Communication Networks. , 2019, , .		3
218	An Efficient Coordinator Selection Method for Geo-Routing Protocol in Vehicular Network. , 2020, , .		3
219	SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 7908-7915.	6.3	3
220	IEEE Access Special Section Editorial: Edge Computing and Networking for Ubiquitous AI. IEEE Access, 2021, 9, 90933-90936.	4.2	3
221	Mobile Sensor-Cloud for Rendering Sensors-as-a-Service. IEEE Systems Journal, 2021, 15, 5174-5185.	4.6	3
222	Optimal Power Allocation for Superposed Secrecy Transmission in Multicarrier Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 1332-1346.	6.3	3
223	Efficient Task Allocation Protocol for a Hybrid-Hierarchical Spatial-Aerial-Terrestrial Edge-Centric IoT Architecture. IEICE Transactions on Communications, 2022, E105.B, 116-130.	0.7	3
224	Transaction Throughput Maximization under Delay and Energy Constraints in Fog-IoT Networks. , 2020, , .		3
225	A Fair TCP-Based Congestion Avoidance Approach for One-to-Many Private Networks. , 2006, , .		2
226	Theatre in the Sky: a ubiquitous broadband multimedia-on-demand service over a novel constellation composed of quasi-geostationary satellites. International Journal of Satellite Communications and Networking, 2006, 24, 215-227.	1.8	2
227	NIS08-1: A Multi-level Security Based Autonomic Parameter Selection Approach for an Effective and Early Detection of Internet Worms. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	2
228	Adaptive Beamforming and Modulation for OFDM in Co-Working WLANs With ACK Eigen-Steering. , 2006, , .		2
229	Interference Cancellation in Coexisting Wireless Local Area Networks. , 2006, , .		2
230	Evaluation of Session Handoffs in a Heterogeneous Mobile Network for Pareto Based Packet Arrivals. , 2009, , .		2
231	Group Mobility Management for Vehicular Area Networks Roaming between Heterogeneous Networks. , 2010, , .		2
232	Route optimization for roaming heterogeneous multi-homed mobile networks. , 2010, , .		2
233	A semantic agglomerative traffic management framework for ubiquitous public safety networks. , 2011, , .		2
234	A semantic traffic management scheme for public safety applications in Mobile Ad Hoc Networks. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
235	Fastest Distributed Consensus on Star-Mesh Hybrid Sensor Networks. , 2011, , .		2
236	Sharpe ratio based pricing of Cognitive Radio access. , 2011, , .		2
237	Distributed data storage in sensor networks based on Raptor codes. , 2012, , .		2
238	Movement prediction of mobile users in emergencies using M2M networks. , 2012, , .		2
239	A novel scheduling technique for Smart Grid data on LTE networks. , 2013, , .		2
240	Outage performance of a network model based on average user distance in cellular systems. , 2013, , .		2
241	Effect of node neighborhood on the evolution of cooperation using public goods game in vehicular networks. , 2014, , .		2
242	RF based underwater wireless sensor network architectures for tracking intruders in 3D space. , 2015, , .		2
243	Smart meter packet transmission via the control signal at dynamic load on eNode-B in LTE networks. , 2015, , .		2
244	A hybrid Random Access method for smart meters on LTE networks. , 2016, , .		2
245	Narrow-beam optical communications in underwater wireless network with passive node mobility. , 2017, , .		2
246	Three-Tier SDN Architecture for 5G: A Novel OpenFlow Switch or Traditional. , 2017, , .		2
247	Traffic Steering for SDN-Based Cellular Networks: Policy Dependent Framework. , 2018, , .		2
248	Break-Even Point-Based Radio Resource Management for Fair Coexistence between U-LTE and Wi-Fi. , 2018, , .		2
249	Altitude and Power Optimization for Coexisting Aerial and Terrestrial Base Stations. , 2020, , .		2
250	Cooperative Three-Dimensional Position Mapping Based on Received Signal Strength Measurements: Algorithm Design and Field Test. IEEE Transactions on Vehicular Technology, 2021, 70, 10541-10552.	6.3	2
251	A Secured Geo-routing Protocol for VANET with an Enhanced Junction Selection Mechanism. , 2020, , .		2
252	An Energy-Efficient Intelligent Framework of UAV-Enhanced Vehicular Networks: Open Problems and a Case Study. IEEE Vehicular Technology Magazine, 2022, 17, 94-102.	3.4	2

#	ARTICLE	IF	CITATIONS
253	Service based CAC with QoS guarantee in mobile wireless cellular networks. International Journal of Communication Systems, 2005, 18, 817-831.	2.5	1
254	Bounded Dimensioning of Multitrafic Next-Generation Mobile Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 1957-1963.	6.3	1
255	Performance enhancement of TCP over adaptive multi-rate IEEE 802.11 wireless LANs. , 2008, , .		1
256	Game theoretic outage compensation in next generation mobile networks. IEEE Transactions on Wireless Communications, 2009, 8, 2602-2608.	9.2	1
257	Portfolio selection based power allocation in OFDM Cognitive Radio networks. , 2009, , .		1
258	Proxy discovery and resource allocation for cooperative multipath routing in cellular networks. , 2011, , .		1
259	Sentiment based service selection in mobile ad hoc networks. , 2011, , .		1
260	A Modified COB Technique for Estimating Location in Cellular Systems with Non-Uniformly Distributed Population. , 2011, , .		1
261	MPEG-4 Traffic Prediction Using Density Estimation for Dynamic Bandwidth Allocation in IEEE 802.16 Networks. , 2011, , .		1
262	Opinion based service selection in a pervasive cooperative consumer network. , 2012, , .		1
263	Two-phase demand response based on privacy-preserving billing for smart grid. , 2012, , .		1
264	A scalable distributed Microgrid Control Structure. , 2013, , .		1
265	A modified M2M-based movement prediction for realistic emergency environments. , 2013, , .		1
266	Ecologically Inspired Load Balancing for LTE SON. , 2013, , .		1
267	A Probabilistic Energy-Aware Routing Protocol for Wireless Body Area Networks. , 2014, , .		1
268	Eco-inspired load optimization for LTE EUTRAN. , 2014, , .		1
269	A population theory inspired solution to the optimal bandwidth allocation for Smart Grid applications. , 2014, , .		1
270	Downlink coverage performance of a relay cellular network considering non-uniform user distribution. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
271	Contract-based cooperative spectrum sharing in cognitive radio networks. , 2014, , .		1
272	Downlink coverage performance of 2-tier closed access heterogeneous cellular networks. , 2014, , .		1
273	An IoT-based middleware for mobility management in post-emergency networks. , 2014, , .		1
274	A voluntary-based real-time incentive scheme for smart grid demand management. , 2014, , .		1
275	Double auction and negotiation for dynamic resource allocation with elastic demands. , 2015, , .		1
276	Reliability and delay analysis of AUV navigation system using EM wave based underwater sensor network. , 2015, , .		1
277	Self-organization amongst multiple co-existing wireless body area networks. , 2015, , .		1
278	Demand management using utility based real time pricing for smart grid with a new cost function. , 2017, , .		1
279	A novel spectrum allocation scheme for software-defined LTE-WiFi network. , 2018, , .		1
280	Coopetition Based Inter-Operator Traffic Sharing for Energy Efficient Cellular Networks. , 2019, , .		1
281	Edge Intelligence-Based Joint Caching and Transmission for QoE-Aware Video Streaming. , 2020, , .		1
282	Dynamic Routing Protocol Selection in Multi-Hop Device-to-Device Wireless Networks. IEEE Transactions on Vehicular Technology, 2022, 71, 8796-8809.	6.3	1
283	An Optimization Model for Appraising Intrusion-Detection Systems for Network Security Communications: Applications, Challenges, and Solutions. Sensors, 2022, 22, 4123.	3.8	1
284	Detecting spurious timeouts in wireless cellular networks using DS-Agent. Wireless Communications and Mobile Computing, 2008, 8, 267-275.	1.2	0
285	Lossy utility based outage compensation in Next Generation Networks. , 2008, , .		0
286	Analysis of vertical session handoff for self-similar traffic in a heterogeneous mobile data network. , 2008, , .		0
287	A Cognitive Approach for Performance Enhancement of Wireless Mesh Networks. , 2009, , .		0
288	A self-organizing cooperative heterogeneous cellular access network for energy conservation. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
289	Statistical analysis of COB-based location estimation in cellular mobile radio systems. , 2012, , .		0
290	A M2M network-based realistic mobile user movement prediction in emergencies. , 2012, , .		0
291	A shadowing-aware Density_Map for location estimation using COB in non-uniformly populated cellular systems. , 2012, , .		0
292	Game-theoretic pricing for data services in smart grid. , 2013, , .		0
293	Special Issue on: Cooperative and Distributed Wireless Communications. International Journal of Wireless Information Networks, 2013, 20, 167-169.	2.7	0
294	Outage performance of opportunistically placed low-powered base stations in heterogeneous cellular networks. , 2014, , .		0
295	Optimized Dynamic Multicast Grouping for Content-Based Routing in Vehicular P2P Environments. , 2014, , .		0
296	Hierarchical Routing for Integrated Space/Air Information Networks. , 2014, , .		0
297	Exploiting Unknown Dynamics in Communications Amongst Coexisting Wireless Body Area Networks. , 2014, , .		0
298	A Distributed Framework for Content Based Dissemination in Vehicular P2P Environments. , 2015, , .		0
299	Informed dynamic scheduling strategies for novel majority-logic decoding of non-binary LDPC codes. , 2015, , .		0
300	A time correlated attacker-defender model for smart grid communication networks. , 2015, , .		0
301	Energy-aware joint transmission Coordinated MultiPoint utilizing dynamic sectorization. , 2015, , .		0
302	Software networks. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 569-572.	2.5	0
303	BS Switching for Green Cellular Networks Using Energy-Aware Dynamic Traffic Offloading Schemes. , 2017, , .		0
304	Network Resource Optimization in SDN-based Cellular Networks: A Traffic Steering Approach. , 2018, , .		0
305	Guest Editorial: Next Generation Wireless Computing Systems. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 551-552.	4.6	0
306	Energy-efficient inter-RAN cooperation for non-collocated cell sites with base station selection and user association policies. Wireless Networks, 2019, 25, 269-285.	3.0	0

#	ARTICLE	IF	CITATIONS
307	VTS Works on Greater Member and Officer Diversity and Inclusion [President's Message]. IEEE Vehicular Technology Magazine, 2021, 16, 4-5.	3.4	0
308	Content Caching and Allocation in Spatially Correlated Small Cells. , 2020, , .		0
309	Editorial Welcome Message From the New Editor-in-Chief. IEEE Transactions on Vehicular Technology, 2022, 71, 2227-2228.	6.3	0