

Abbas Jamalipour

List of Publications by Year in descending order

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309
papers

5,083
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145106

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5251
citing authors

#	ARTICLE	IF	CITATIONS
1	Mobility Model for Contact-Aware Data Offloading Through Train-to-Train Communications in Rail Networks. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022, 23, 597-609.	4.7	5
2	Adaptive Resource Allocation in SWIPT-Enabled Cognitive IoT Networks. <i>IEEE Internet of Things Journal</i> , 2022, 9, 535-545.	5.5	12
3	Incentive-Based Caching and Communication in a Clustered D2D Network. <i>IEEE Internet of Things Journal</i> , 2022, 9, 3313-3320.	5.5	9
4	A Heuristic Distributed Scheme to Detect Falsification of Mobility Patterns in Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2022, 9, 719-727.	5.5	13
5	Efficient Task Allocation Protocol for a Hybrid-Hierarchical Spatial-Aerial-Terrestrial Edge-Centric IoT Architecture. <i>IEEE Transactions on Communications</i> , 2022, E105.B, 116-130.	0.4	3
6	IRS-Assisted Downlink and Uplink NOMA in Wireless Powered Communication Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 1083-1088.	3.9	29
7	A Taxonomy of Machine-Learning-Based Intrusion Detection Systems for the Internet of Things: A Survey. <i>IEEE Internet of Things Journal</i> , 2022, 9, 9444-9466.	5.5	26
8	Dynamic Aerial Wireless Power Transfer Optimization. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 4010-4022.	3.9	7
9	Disguised Tailing and Video Surveillance With Solar-Powered Fixed-Wing Unmanned Aerial Vehicle. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 5507-5518.	3.9	17
10	Energy-Efficient Resource Allocation for UAV-Assisted Vehicular Networks With Spectrum Sharing. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 7691-7702.	3.9	16
11	Statistical Learning-Based Grant-Free Access for Delay-Sensitive Internet of Things Applications. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 5492-5506.	3.9	4
12	An Energy-Efficient Intelligent Framework of UAV-Enhanced Vehicular Networks: Open Problems and a Case Study. <i>IEEE Vehicular Technology Magazine</i> , 2022, 17, 94-102.	2.8	2
13	Multi-Agent DRL-Based Hungarian Algorithm (MADRLHA) for Task Offloading in Multi-Access Edge Computing Internet of Vehicles (IoVs). <i>IEEE Transactions on Wireless Communications</i> , 2022, 21, 7641-7652.	6.1	24
14	Editorial Welcome Message From the New Editor-in-Chief. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 2227-2228.	3.9	0
15	Federated Multi-Agent Deep Reinforcement Learning for Resource Allocation of Vehicle-to-Vehicle Communications. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 8810-8824.	3.9	23
16	Dynamic Routing Protocol Selection in Multi-Hop Device-to-Device Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2022, 71, 8796-8809.	3.9	1
17	An Optimization Model for Appraising Intrusion-Detection Systems for Network Security Communications: Applications, Challenges, and Solutions. <i>Sensors</i> , 2022, 22, 4123.	2.1	1
18	Deep-Graph-Based Reinforcement Learning for Joint Cruise Control and Task Offloading for Aerial Edge Internet of Things (EdgeloT). <i>IEEE Internet of Things Journal</i> , 2022, 9, 21676-21686.	5.5	18

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19	Smart-Cluster-Based Distributed Caching for Fog-IoT Networks. IEEE Internet of Things Journal, 2021, 8, 3875-3884.	5.5	8
20	Optimized Energy and Information Relaying in Self-Sustainable IRS-Empowered WPCN. IEEE Transactions on Communications, 2021, 69, 619-633.	4.9	112
21	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.	5.5	59
22	UAV-Aided Cellular Operation by User Offloading. IEEE Internet of Things Journal, 2021, 8, 9855-9864.	5.5	9
23	Leveraging Communicating UAVs for Emergency Vehicle Guidance in Urban Areas. IEEE Transactions on Emerging Topics in Computing, 2021, 9, 1070-1082.	3.2	73
24	A Self-Adaptive Deep Learning-Based Algorithm for Predictive Analysis of Bitcoin Price. IEEE Access, 2021, 9, 34054-34066.	2.6	9
25	Internet of Things 2.0: Concepts, Applications, and Future Directions. IEEE Access, 2021, 9, 70961-71012.	2.6	61
26	IEEE Access Special Section Editorial: Edge Computing and Networking for Ubiquitous AI. IEEE Access, 2021, 9, 90933-90936.	2.6	3
27	Mobile Sensor-Cloud for Rendering Sensors-as-a-Service. IEEE Systems Journal, 2021, 15, 5174-5185.	2.9	3
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.	4.5	39
29	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.	3.9	2
30	User Grouping and Energy Harvesting in UAV-NOMA System With AF/DF Relaying. IEEE Transactions on Vehicular Technology, 2021, 70, 11855-11868.	3.9	39
31	Improving Throughput of 5G Cellular Networks via 3D Placement Optimization of Logistics Drones. IEEE Transactions on Vehicular Technology, 2021, 70, 1448-1460.	3.9	18
32	Optimal Power Allocation for Superposed Secrecy Transmission in Multicarrier Systems. IEEE Transactions on Vehicular Technology, 2021, 70, 1332-1346.	3.9	3
33	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.	2.8	16
34	Wireless Virtual Reality in Beyond 5G Systems with the Internet of Intelligence. IEEE Wireless Communications, 2021, 28, 70-77.	6.6	22
35	Charge-Then-Cooperate: Secure Resource Allocation for Wireless-Powered Relay Networks With Wireless Energy Transfer. IEEE Transactions on Vehicular Technology, 2021, 70, 5088-5093.	3.9	13
36	An End-to-End (E2E) Network Slicing Framework for 5G Vehicular Ad-Hoc Networks. IEEE Transactions on Vehicular Technology, 2021, 70, 7103-7112.	3.9	22

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37	Joint User Pairing and Resource Allocation in a SWIPT-Enabled Cooperative NOMA System. IEEE Transactions on Vehicular Technology, 2021, 70, 6826-6840.	3.9	33
38	VTS Works on Greater Member and Officer Diversity and Inclusion [President's Message]. IEEE Vehicular Technology Magazine, 2021, 16, 4-5.	2.8	0
39	A Blockchain Assisted Vehicular Pseudonym Issuance and Management System for Conditional Privacy Enhancement. IEEE Access, 2021, 9, 127305-127319.	2.6	15
40	Backscatter-Assisted Wireless Powered Communication Networks Empowered by Intelligent Reflecting Surface. IEEE Transactions on Vehicular Technology, 2021, 70, 11908-11922.	3.9	17
41	A Hybrid Deep Learning Approach for Replay and DDoS Attack Detection in a Smart City. IEEE Access, 2021, 9, 154864-154875.	2.6	20
42	Artificial Intelligence-Driven Real-Time Automatic Modulation Classification Scheme for Next-Generation Cellular Networks. IEEE Access, 2021, 9, 155584-155597.	2.6	9
43	An On-Chain Analysis-Based Approach to Predict Ethereum Prices. IEEE Access, 2021, 9, 167972-167989.	2.6	8
44	BRT: Bus-Based Routing Technique in Urban Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 4550-4562.	4.7	28
45	A Lightweight Intrusion Detection for Sybil Attack Under Mobile RPL in the Internet of Things. IEEE Internet of Things Journal, 2020, 7, 379-388.	5.5	85
46	Multidimensional Cooperative Caching in CoMP-Integrated Ultra-Dense Cellular Networks. IEEE Transactions on Wireless Communications, 2020, 19, 1977-1989.	6.1	32
47	Joint Power Allocation and Beamforming for Overlaid Secrecy Transmissions in MIMO-OFDM Channels. IEEE Transactions on Vehicular Technology, 2020, 69, 10019-10032.	3.9	11
48	An Efficient Coordinator Selection Method for Geo-Routing Protocol in Vehicular Network. , 2020, , .		3
49	Deep Q-Learning based Resource Management in UAV-assisted Wireless Powered IoT Networks. , 2020, , .		16
50	SkopEdge: A Traffic-Aware Edge-Based Remote Auscultation Monitor. , 2020, , .		4
51	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.	3.9	6
52	Altitude and Power Optimization for Coexisting Aerial and Terrestrial Base Stations. , 2020, , .		2
53	Replay Attack Detection in Smart Cities Using Deep Learning. IEEE Access, 2020, 8, 137825-137837.	2.6	40
54	MAC Protocol for Underwater Sensor Networks Using EM Wave With TDMA Based Control Channel. IEEE Access, 2020, 8, 168439-168455.	2.6	5

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55	Software-Defined Coexisting UAV and WiFi: Delay-Oriented Traffic Offloading and UAV Placement. IEEE Journal on Selected Areas in Communications, 2020, 38, 988-998.	9.7	29
56	SDP-IGD: An Iterative Power Allocation Technique for Cluster-Based Multihop Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 7908-7915.	3.9	3
57	Millimeter Wave Based Real-Time Sag Measurement and Monitoring System of Overhead Transmission Lines in a Smart Grid. IEEE Access, 2020, 8, 100754-100767.	2.6	9
58	Blockchain and SDN Architecture for Spectrum Management in Cellular Networks. IEEE Access, 2020, 8, 94415-94428.	2.6	9
59	Two-Way Dual-Hop WPCN With A Practical Energy Harvesting Model. IEEE Transactions on Vehicular Technology, 2020, 69, 8013-8017.	3.9	8
60	Cooperative Caching and Transmission in CoMP-Integrated Cellular Networks Using Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5508-5520.	3.9	46
61	Energy Optimization in Association-Free Fog-IoT Networks. IEEE Transactions on Green Communications and Networking, 2020, 4, 404-412.	3.5	9
62	Traffic Differentiated Clustering Routing in DSRC and C-V2X Hybrid Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 7723-7734.	3.9	68
63	UAV Placement and Power Allocation in Uplink and Downlink Operations of Cellular Network. IEEE Transactions on Communications, 2020, 68, 4383-4393.	4.9	34
64	Low-Delay Path Selection for Cluster-Based Buffer-Aided Vehicular Communications. IEEE Transactions on Vehicular Technology, 2020, 69, 9356-9363.	3.9	7
65	A Reliable Data Loss Aware Algorithm for Fog-IoT Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 5718-5722.	3.9	4
66	Edge Intelligence-Based Joint Caching and Transmission for QoE-Aware Video Streaming. , 2020, , .		1
67	Transaction Throughput Maximization under Delay and Energy Constraints in Fog-IoT Networks. , 2020, , .		3
68	Content Caching and Allocation in Spatially Correlated Small Cells. , 2020, , .		0
69	A Secured Geo-routing Protocol for VANET with an Enhanced Junction Selection Mechanism. , 2020, , .		2
70	New NOMA-Based Two-Way Relay Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 15314-15324.	3.9	18
71	Throughput Maximization in Backscatter Assisted Wireless Powered Communication Networks. , 2019, , .		3
72	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.	3.9	14

#	ARTICLE	IF	CITATIONS
73	Probability-based opportunity dynamic adaptation (PODA) of contention window for home M2M networks. Journal of Network and Computer Applications, 2019, 144, 1-12.	5.8	7
74	A Machine Learning Approach for Intrusion Detection in Smart Cities. , 2019, , .		6
75	Optimal Resource Allocation in Backscatter Assisted WPCN With Practical Energy Harvesting Model. IEEE Transactions on Vehicular Technology, 2019, 68, 12406-12410.	3.9	28
76	ECaD: Energy-efficient routing in flying ad hoc networks. International Journal of Communication Systems, 2019, 32, e4156.	1.6	64
77	Protecting Cyber Physical Systems Using a Learned MAPE-K Model. IEEE Access, 2019, 7, 90954-90963.	2.6	11
78	Energy Consumption Tradeoff for Association-Free Fog-IoT. , 2019, , .		5
79	FlowStat: Adaptive Flow-Rule Placement for Per-Flow Statistics in SDN. IEEE Journal on Selected Areas in Communications, 2019, 37, 530-539.	9.7	50
80	UAV-Empowered Disaster-Resilient Edge Architecture for Delay-Sensitive Communication. IEEE Network, 2019, 33, 124-132.	4.9	65
81	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.	3.9	51
82	EBA: Energy Balancing Algorithm for Fog-IoT Networks. IEEE Internet of Things Journal, 2019, 6, 6843-6849.	5.5	16
83	Caching in Heterogeneous Ultradense 5G Networks: A Comprehensive Cooperation Approach. IEEE Vehicular Technology Magazine, 2019, 14, 22-32.	2.8	19
84	Intrusion detection in smart cities using Restricted Boltzmann Machines. Journal of Network and Computer Applications, 2019, 135, 76-83.	5.8	59
85	On the Application of Agglomerative Hierarchical Clustering for Cache-Assisted D2D Networks. , 2019, , .		10
86	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.	2.6	28
87	Coverage Analysis for Multi-Request Association Model (MRAM) in a Caching Ultra-Dense Network. IEEE Transactions on Vehicular Technology, 2019, 68, 3882-3889.	3.9	8
88	Coopetition Based Inter-Operator Traffic Sharing for Energy Efficient Cellular Networks. , 2019, , .		1
89	On-Board Deep Q-Network for UAV-Assisted Online Power Transfer and Data Collection. IEEE Transactions on Vehicular Technology, 2019, 68, 12215-12226.	3.9	69
90	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.	3.5	8

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91	Optimal Resource Allocation for Multiuser Internet of Things Network With Single Wireless-Powered Relay. IEEE Internet of Things Journal, 2019, 6, 3132-3142.	5.5	27
92	Machine Learning Inspired Sound-Based Amateur Drone Detection for Public Safety Applications. IEEE Transactions on Vehicular Technology, 2019, 68, 2526-2534.	3.9	150
93	Mobility-Aware Energy-Efficient Parent Selection Algorithm for Low Power and Lossy Networks. IEEE Internet of Things Journal, 2019, 6, 2593-2601.	5.5	35
94	Energy-efficient inter-RAN cooperation for non-collocated cell sites with base station selection and user association policies. Wireless Networks, 2019, 25, 269-285.	2.0	0
95	Amateur Drone Surveillance: Applications, Architectures, Enabling Technologies, and Public Safety Issues: Part 2. IEEE Communications Magazine, 2018, 56, 66-67.	4.9	34
96	Accumulate Then Transmit: Toward Secure Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 6301-6310.	3.9	24
97	Delay-Oriented Spectrum Sharing and Traffic Offloading in Coexisting UAV-Enabled Cellular and WiFi Networks. , 2018, , .		6
98	Network Resource Optimization in SDN-based Cellular Networks: A Traffic Steering Approach. , 2018, , .		0
99	Blockchain in IoT Security: A Survey. , 2018, , .		24
100	Traffic Steering for SDN-Based Cellular Networks: Policy Dependent Framework. , 2018, , .		2
101	Guest Editorial: Next Generation Wireless Computing Systems. IEEE Transactions on Emerging Topics in Computing, 2018, 6, 551-552.	3.2	0
102	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.	3.2	26
103	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.	3.9	5
104	Break-Even Point-Based Radio Resource Management for Fair Coexistence between U-LTE and Wi-Fi. , 2018, , .		2
105	Analysis of Effective Capacity and Throughput of Polling-Based Device-To-Device Networks. IEEE Transactions on Vehicular Technology, 2018, 67, 8656-8666.	3.9	9
106	A novel spectrum allocation scheme for software-defined LTE-WiFi network. , 2018, , .		1
107	On the authentication and re-authentication protocols in LTE-WLAN interworking architecture. Transactions on Emerging Telecommunications Technologies, 2017, 28, e3031.	2.6	3
108	Throughput Maximization in Dual-Hop Wireless Powered Communication Networks. IEEE Transactions on Vehicular Technology, 2017, 66, 9304-9312.	3.9	35

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109	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.	3.9	5
110	A Novel Random Access Mechanism for Timely Reliable Communications for Smart Meters. IEEE Transactions on Industrial Informatics, 2017, 13, 3256-3264.	7.2	7
111	Extensive Cooperative Caching in D2D Integrated Cellular Networks. IEEE Communications Letters, 2017, 21, 2101-2104.	2.5	32
112	A QoS-Oriented High-Efficiency Resource Allocation Scheme in Wireless Multimedia Sensor Networks. IEEE Sensors Journal, 2017, 17, 1538-1548.	2.4	10
113	Toward the Evolution of Wireless Powered Communication Networks for the Future Internet of Things. IEEE Network, 2017, 31, 62-69.	4.9	100
114	Narrow-beam optical communications in underwater wireless network with passive node mobility. , 2017, , .		2
115	Fairness enhancement in dual-hop wireless powered communication networks. , 2017, , .		7
116	BS Switching for Green Cellular Networks Using Energy-Aware Dynamic Traffic Offloading Schemes. , 2017, , .		0
117	Three-Tier SDN Architecture for 5G: A Novel OpenFlow Switch or Traditional. , 2017, , .		2
118	A smart city cyber security platform for narrowband networks. , 2017, , .		15
119	Demand management using utility based real time pricing for smart grid with a new cost function. , 2017, , .		1
120	EM-Based High Speed Wireless Sensor Networks for Underwater Surveillance and Target Tracking. Journal of Sensors, 2017, 2017, 1-14.	0.6	14
121	Traffic-aware two-dimensional dynamic network provisioning for energy-efficient cellular systems. Transactions on Emerging Telecommunications Technologies, 2016, 27, 357-372.	2.6	3
122	Topology Control and Routing Based on Adaptive RF/FSO Switching in Space-Air Integrated Networks. , 2016, , .		6
123	Optimized resource allocation in LTE networks incorporating delay-sensitive smart grid traffic. , 2016, , .		7
124	Traffic offloading techniques for 5G cellular: a three-tiered SDN architecture. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 583-593.	1.6	4
125	Energy efficiency of combined DPS and JT CoMP technique in downlink LTE-A cellular networks. , 2016, , .		7
126	Authentication process enhancements in WiMAX networks. Security and Communication Networks, 2016, 9, 4703-4725.	1.0	3

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127	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.	4.1	4
128	A Three-Tier SDN based distributed mobility management architecture for DenseNets. , 2016, , .		10
129	Mobility management in three-tier SDN architecture for DenseNets. , 2016, , .		9
130	An Outage Performance Analysis with Moving Relays on Suburban Trains for Uplink. IEEE Transactions on Vehicular Technology, 2016, , 1-1.	3.9	9
131	Software networks. Annales Des Telecommunications/Annals of Telecommunications, 2016, 71, 569-572.	1.6	0
132	A Unified Routing Framework for Integrated Space/Air Information Networks. IEEE Access, 2016, 4, 7084-7103.	2.6	20
133	A hybrid Random Access method for smart meters on LTE networks. , 2016, , .		2
134	Enabling interference-aware and energy-efficient coexistence of multiple wireless body area networks with unknown dynamics. IEEE Access, 2016, 4, 2935-2951.	2.6	153
135	Enabling Situation Awareness at Intersections for IVC Congestion Control Mechanisms. IEEE Transactions on Mobile Computing, 2016, 15, 1674-1685.	3.9	27
136	Stochastic Geometry Study on Device-to-Device Communication as a Disaster Relief Solution. IEEE Transactions on Vehicular Technology, 2016, 65, 3005-3017.	3.9	80
137	Contractâ€based distributed resource allocation for cooperative communications. IET Communications, 2016, 10, 1087-1095.	1.5	6
138	Exploiting Unknown Dynamics in Communications Amongst Coexisting Wireless Body Area Networks. , 2015, , .		6
139	RF based underwater wireless sensor network architectures for tracking intruders in 3D space. , 2015, , .		2
140	Almost as good as single-hop full-duplex: bidirectional end-to-end known interference cancellation. , 2015, , .		4
141	Smart meter packet transmission via the control signal of LTE networks. , 2015, , .		5
142	A Distributed Framework for Content Based Dissemination in Vehicular P2P Environments. , 2015, , .		0
143	Optimal Cluster Head Spacing for Energy-Efficient Communication in Aerial-Backhauled Networks. , 2015, , .		12
144	Double auction and negotiation for dynamic resource allocation with elastic demands. , 2015, , .		1

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145	Informed dynamic scheduling strategies for novel majority-logic decoding of non-binary LDPC codes. , 2015, , .		0
146	Reliability and delay analysis of AUV navigation system using EM wave based underwater sensor network. , 2015, , .		1
147	A three-tier SDN architecture for DenseNets. , 2015, , .		13
148	Self-organization amongst multiple co-existing wireless body area networks. , 2015, , .		1
149	Early warning smartphone diagnostics for water security and analysis using real-time pH mapping. Photonic Sensors, 2015, 5, 289-297.	2.5	29
150	Smart meter packet transmission via the control signal at dynamic load on eNode-B in LTE networks. , 2015, , .		2
151	A time correlated attacker-defender model for smart grid communication networks. , 2015, , .		0
152	Energy-aware joint transmission Coordinated MultiPoint utilizing dynamic sectorization. , 2015, , .		0
153	Lab-in-a-Phone: Smartphone-Based Portable Fluorometer for pH Measurements of Environmental Water. IEEE Sensors Journal, 2015, 15, 5095-5102.	2.4	86
154	AIM: Adaptive Internetwork interference mitigation amongst co-existing wireless body area networks. , 2014, , .		27
155	Outage performance of opportunistically placed low-powered base stations in heterogeneous cellular networks. , 2014, , .		0
156	A Probabilistic Energy-Aware Routing Protocol for Wireless Body Area Networks. , 2014, , .		1
157	Optimal resource allocation for Smart Grid applications in high traffic wireless networks. , 2014, , .		5
158	Eco-inspired load optimization for LTE EUTRAN. , 2014, , .		1
159	A population theory inspired solution to the optimal bandwidth allocation for Smart Grid applications. , 2014, , .		1
160	Optimal power allocation for distributed blue estimation with linear spatial collaboration. , 2014, , .		9
161	Downlink coverage performance of a relay cellular network considering non-uniform user distribution. , 2014, , .		1
162	Random access issues for smart grid communication in LTE networks. , 2014, , .		14

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163	Modeling air-to-ground path loss for low altitude platforms in urban environments. , 2014, , .		749
164	Contract-based cooperative spectrum sharing in cognitive radio networks. , 2014, , .		1
165	Downlink coverage performance of 2-tier closed access heterogeneous cellular networks. , 2014, , .		1
166	A Contract-Auction Mechanism for Multi-Relay Cooperative Wireless Networks. , 2014, , .		5
167	Optimized Dynamic Multicast Grouping for Content-Based Routing in Vehicular P2P Environments. , 2014, , .		0
168	An exact solution to degree distribution optimization in LT codes. , 2014, , .		6
169	An IoT-based middleware for mobility management in post-emergency networks. , 2014, , .		1
170	Effect of node neighborhood on the evolution of cooperation using public goods game in vehicular networks. , 2014, , .		2
171	A MANET-based semantic traffic management framework for ubiquitous public safety networks. Wireless Communications and Mobile Computing, 2014, 14, 1127-1142.	0.8	6
172	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.	4.0	12
173	A voluntary-based real-time incentive scheme for smart grid demand management. , 2014, , .		1
174	M2M-Based Service Coverage for Mobile Users in Post-Emergency Environments. IEEE Transactions on Vehicular Technology, 2014, 63, 3294-3303.	3.9	7
175	Optimal Cluster Head Spacing for Energy-Efficient Communication in Aerial-Backhauled Networks. , 2014, , .		4
176	Hierarchical Routing for Integrated Space/Air Information Networks. , 2014, , .		0
177	Exploiting Unknown Dynamics in Communications Amongst Coexisting Wireless Body Area Networks. , 2014, , .		0
178	Game-theoretic pricing for data services in smart grid. , 2013, , .		0
179	A novel scheduling technique for Smart Grid data on LTE networks. , 2013, , .		2
180	Toward self-organizing sectorization of LTE eNBs for energy efficient network operation under QoS constraints. , 2013, , .		12

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181	Special Issue on: Cooperative and Distributed Wireless Communications. International Journal of Wireless Information Networks, 2013, 20, 167-169.	1.8	0
182	Relay selection scheme for cooperative communication networks using contract theory. , 2013, , .		4
183	Data Persistency in Wireless Sensor Networks Using Distributed Luby Transform Codes. IEEE Sensors Journal, 2013, 13, 4880-4890.	2.4	12
184	Cooperative communication with asymmetric channel state information: A contract theoretic modeling approach. China Communications, 2013, 10, 31-43.	2.0	10
185	On the impact of network geometric models on multicell cooperative communication systems. IEEE Wireless Communications, 2013, 20, 75-81.	6.6	17
186	A scalable distributed Microgrid Control Structure. , 2013, , .		1
187	A modified M2M-based movement prediction for realistic emergency environments. , 2013, , .		1
188	EAR-BAN: Energy efficient adaptive routing in Wireless Body Area Networks. , 2013, , .		11
189	Distributed MAC Protocol Supporting Physical-Layer Network Coding. IEEE Transactions on Mobile Computing, 2013, 12, 1023-1036.	3.9	32
190	Energy-Aware Dynamic Sectorization of Base Stations in Multi-Cell OFDMA Networks. IEEE Wireless Communications Letters, 2013, 2, 587-590.	3.2	9
191	Outage performance of a network model based on average user distance in cellular systems. , 2013, , .		2
192	On the impact of relay-side channel state information on opportunistic relaying. , 2013, , .		8
193	Synchronous Physical-Layer Network Coding: A Feasibility Study. IEEE Transactions on Wireless Communications, 2013, 12, 4048-4057.	6.1	28
194	Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. IEEE Transactions on Wireless Communications, 2013, 12, 5929-5939.	6.1	40
195	Ecologically Inspired Load Balancing for LTE SON. , 2013, , .		1
196	A self-organizing cooperative heterogeneous cellular access network for energy conservation. , 2012, , .		0
197	Statistical analysis of COB-based location estimation in cellular mobile radio systems. , 2012, , .		0
198	Phase-level synchronization for physical-layer network coding. , 2012, , .		4

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199	Content-based routing using multicasting for Vehicular Networks. , 2012, , .		3
200	Ecologically inspired equitable resource distribution between heterogeneous service classes in the NGN. , 2012, , .		4
201	Distributed data storage in sensor networks based on Raptor codes. , 2012, , .		2
202	Cooperative communication and relay selection under asymmetric information. , 2012, , .		9
203	Symbol error rate analysis for M-QAM modulated physical-layer network coding with phase errors. , 2012, , .		12
204	Localization in wireless sensor networks by constrained simultaneous perturbation stochastic approximation technique. , 2012, , .		5
205	Movement prediction of mobile users in emergencies using M2M networks. , 2012, , .		2
206	Opinion based service selection in a pervasive cooperative consumer network. , 2012, , .		1
207	Two-phase demand response based on privacy-preserving billing for smart grid. , 2012, , .		1
208	Two level cooperation for energy efficiency in multi-RAN cellular network environment. , 2012, , .		7
209	On the energy efficiency of self-organizing LTE cellular access networks. , 2012, , .		5
210	Location Estimation Using Geometry of Overhearing Under Shadow Fading Conditions. IEEE Transactions on Wireless Communications, 2012, 11, 4140-4149.	6.1	4
211	On the Broadcast Latency in Finite Cooperative Wireless Networks. IEEE Transactions on Wireless Communications, 2012, 11, 1307-1313.	6.1	8
212	Contract design for relay-based cooperative communication with hidden channel state information. , 2012, , .		5
213	Effect of altruism and punishment on selfish behavior for cooperation in Vehicular Networks. , 2012, , .		8
214	A M2M network-based realistic mobile user movement prediction in emergencies. , 2012, , .		0
215	A shadowing-aware Density_Map for location estimation using COB in non-uniformly populated cellular systems. , 2012, , .		0
216	Constellation mapping for physical-layer network coding with M-QAM modulation. , 2012, , .		28

#	ARTICLE	IF	CITATIONS
217	Link stability estimation based on link connectivity changes in mobile ad-hoc networks. Journal of Network and Computer Applications, 2012, 35, 2051-2058.	5.8	33
218	A Novel Information Acquisition Technique for Mobile-Assisted Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2012, 61, 1752-1761.	3.9	14
219	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.	3.2	7
220	A semantic agglomerative traffic management framework for ubiquitous public safety networks. , 2011, , .		2
221	Proxy discovery and resource allocation for cooperative multipath routing in cellular networks. , 2011, , .		1
222	Opportunistic geocast in large scale intermittently connected mobile ad hoc networks. , 2011, , .		5
223	Sentiment based service selection in mobile ad hoc networks. , 2011, , .		1
224	A semantic traffic management scheme for public safety applications in Mobile Ad Hoc Networks. , 2011, , .		2
225	3D Location Estimation in Urban Cellular Systems Using the Overhearing Model. , 2011, , .		4
226	A Modified COB Technique for Estimating Location in Cellular Systems with Non-Uniformly Distributed Population. , 2011, , .		1
227	Opportunistic Virtual Backbone Construction in Intermittently Connected Mobile Ad Hoc Networks. , 2011, , .		6
228	Rate and Power Adaptation for Analog Network Coding. IEEE Transactions on Vehicular Technology, 2011, 60, 2302-2313.	3.9	45
229	A multi-path cognitive resource management mechanism for QoS provisioning in wireless mesh networks. Wireless Networks, 2011, 17, 277-290.	2.0	5
230	Accuracy, latency, and energy cross-optimization in wireless sensor networks through infection spreading. International Journal of Communication Systems, 2011, 24, 628-646.	1.6	17
231	An eco-inspired energy efficient access network architecture for next generation cellular systems. , 2011, , .		27
232	Fastest mixing Markov chain on symmetric K-partite sensor networks. , 2011, , .		3
233	Opportunistic Geocast in Disruption-Tolerant Networks. , 2011, , .		5
234	Fastest Distributed Consensus on Star-Mesh Hybrid Sensor Networks. , 2011, , .		2

#	ARTICLE	IF	CITATIONS
235	Sharpe ratio based pricing of Cognitive Radio access. , 2011, , .		2
236	A correlative study of cooperation enforcement mechanisms. , 2011, , .		3
237	Ecological competition based resource control for sustainable heterogeneous wireless networks. , 2011, , .		5
238	Resource competition at the NGN core network: An ecologically inspired analysis. , 2011, , .		4
239	MPEG-4 Traffic Prediction Using Density Estimation for Dynamic Bandwidth Allocation in IEEE 802.16 Networks. , 2011, , .		1
240	Fastest Distributed Consensus Problem on Fusion of Two Star Sensor Networks. IEEE Sensors Journal, 2011, 11, 2494-2506.	2.4	15
241	Channel Occupancy Time Based TCP Rate Control for Improving Fairness in IEEE 802.11 DCF. IEEE Transactions on Vehicular Technology, 2010, 59, 2974-2985.	3.9	12
242	An analytical evaluation of mobility management in integrated WLAN-UMTS networks. Computers and Electrical Engineering, 2010, 36, 735-751.	3.0	19
243	NETwork MObility (NEMO) Support in Interworking Heterogeneous Mobile Networks. , 2010, , .		3
244	A protooperation-based sleep-wake architecture for next generation green cellular access networks. , 2010, , .		18
245	Group Mobility Management for Vehicular Area Networks Roaming between Heterogeneous Networks. , 2010, , .		2
246	A cooperative cache-based content delivery framework for intermittently connected mobile ad hoc networks. IEEE Transactions on Wireless Communications, 2010, 9, 366-373.	6.1	40
247	Opportunistic node authentication in intermittently connected mobile ad hoc networks. , 2010, , .		5
248	A Cooperative Cellular Architecture with Emphasis on Traffic Load Balancing. , 2010, , .		5
249	Route optimization for roaming heterogeneous multi-homed mobile networks. , 2010, , .		2
250	Pricing of Cognitive Radio Rights to Maintain the Risk-Reward of Primary User Spectrum Investment. , 2010, , .		6
251	Multi-path routing for a cognitive Wireless Mesh Network. , 2009, , .		5
252	Game theoretic outage compensation in next generation mobile networks. IEEE Transactions on Wireless Communications, 2009, 8, 2602-2608.	6.1	1

#	ARTICLE	IF	CITATIONS
253	MAC framework for Intermittently Connected Cognitive Radio networks. , 2009, , .		7
254	A Dynamic Anomaly Detection Scheme for AODV-Based Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 2471-2481.	3.9	97
255	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.	3.9	19
256	An optimized forwarding protocol for lifetime extension of wireless sensor networks. Wireless Communications and Mobile Computing, 2009, 9, 103-115.	0.8	9
257	Optimized message delivery framework using fuzzy logic for intermittently connected mobile ad hoc networks.. Wireless Communications and Mobile Computing, 2009, 9, 501-512.	0.8	6
258	Combating against internet worms in large-scale networks: an autonomic signature-based solution. Security and Communication Networks, 2009, 2, 11-28.	1.0	9
259	Evaluation of Session Handoffs in a Heterogeneous Mobile Network for Pareto Based Packet Arrivals. , 2009, , .		2
260	Portfolio selection based power allocation in OFDM Cognitive Radio networks. , 2009, , .		1
261	A Cognitive Approach for Performance Enhancement of Wireless Mesh Networks. , 2009, , .		0
262	An Epidemic P2P Content Search Mechanism for Intermittently Connected Mobile Ad Hoc Networks. , 2009, , .		9
263	Securing the next generation mobile network. Security and Communication Networks, 2008, 1, 25-43.	1.0	7
264	Detecting spurious timeouts in wireless cellular networks using DS-Agent. Wireless Communications and Mobile Computing, 2008, 8, 267-275.	0.8	0
265	Bounded Dimensioning of Multitrafic Next-Generation Mobile Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 1957-1963.	3.9	1
266	Stable Clustering and Communications in Pseudolinear Highly Mobile Ad Hoc Networks. IEEE Transactions on Vehicular Technology, 2008, 57, 3769-3777.	3.9	50
267	Designing an Application-Aware Routing Protocol for Wireless Sensor Networks. , 2008, , .		4
268	Lossy utility based outage compensation in Next Generation Networks. , 2008, , .		0
269	Bilateral Shapley Value Based Cooperative Gateway Selection in Congested Wireless Mesh Networks. , 2008, , .		6
270	Cache-Based Content Delivery in Opportunistic Mobile Ad Hoc Networks. , 2008, , .		11

#	ARTICLE	IF	CITATIONS
271	On the use of WiMAX as the terrestrial segment for DVB-SH networks. , 2008, , .		3
272	An architecture for mobility management in interworked 3G cellular and WiMAX Networks. Wireless Telecommunications Symposium, 2009 WTS 2009, 2008, , .	0.0	7
273	Performance enhancement of TCP over adaptive multi-rate IEEE 802.11 wireless LANs. , 2008, , .		1
274	Analysis of vertical session handoff for self-similar traffic in a heterogeneous mobile data network. , 2008, , .		0
275	Analysis of Signaling Cost for a Roaming User in a Heterogeneous Mobile Data Network. , 2008, , .		3
276	Network Application Identification Using Transition Pattern of Payload Length. , 2008, , .		5
277	A Fuzzy Logic-based Delivery Framework for Optimized Routing in Mobile Ad Hoc Networks. , 2008, , .		3
278	Performance Evaluation of Optimized Forwarding Strategy for Flat Sensor Networks. , 2007, , .		9
279	A Unified Mobility and Session Management Platform for Next Generation Mobile Networks. , 2007, , .		23
280	A Novel Scheme to Reduce Control Overhead and Increase Link Duration in Highly Mobile Ad Hoc Networks. , 2007, , .		20
281	A New Stable Clustering Scheme for Pseudo-Linear Highly Mobile Ad Hoc Networks. , 2007, , .		10
282	Exploring the routing strategies in next-generation satellite networks. IEEE Wireless Communications, 2007, 14, 79-88.	6.6	83
283	On data gathering and security in wireless sensor networks. , 2007, , .		8
284	Priority-based adaptive routing in NGE0 satellite networks. International Journal of Communication Systems, 2007, 20, 313-333.	1.6	36
285	A study of a routing attack in OLSR-based mobile ad hoc networks. International Journal of Communication Systems, 2007, 20, 1245-1261.	1.6	24
286	NXG04-2: A Negotiation-Based Network Selection Scheme for Next-Generation Mobile Systems. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	4
287	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
288	NIS01-2: A Collusion Attack Against OLSR-based Mobile Ad Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	44

#	ARTICLE	IF	CITATIONS
289	Multipath Doppler Routing with QoS Support in Pseudo-linear Highly Mobile Ad Hoc Networks. , 2006, , .		9
290	A Fair TCP-Based Congestion Avoidance Approach for One-to-Many Private Networks. , 2006, , .		2
291	Performance of Channel Information Estimation Method Utilizing Parity Check Bits for Turbo Coded Multi-route Multi-hop Networks. , 2006, , .		4
292	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.	1.2	2
293	TCP performance in wireless networks with delay spike and different initial congestion window sizes. Computer Communications, 2006, 29, 926-933.	3.1	7
294	End-to-end QoS support for IP and multimedia traffic in heterogeneous mobile networks. Computer Communications, 2006, 29, 671-682.	3.1	12
295	Bit-error-rate Performance Improvement in Wireless Multi-hop Ad Hoc Networks using Route Diversity Considerations. , 2006, , .		5
296	An Efficient Signature-Based Approach for Automatic Detection of Internet Worms over Large-Scale Networks. , 2006, , .		4
297	SAT05-1: Design Guidelines for a Global and Self-Managed LEO Satellites-Based Sensor Network. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	8
298	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
299	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
300	Adaptive Beamforming and Modulation for OFDM in Co-Working WLANs With ACK Eigen-Steering. , 2006, , .		2
301	Two-Layer Optimized Forwarding for Cluster-Based Sensor Networks. , 2006, , .		8
302	NXG04-5: Fair Call Admission Control for Prioritizing Vertical Handoff in Multi-Traffic B3G Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	5
303	Interference Cancellation in Coexisting Wireless Local Area Networks. , 2006, , .		2
304	TCP throughput and fairness performance in presence of delay spikes in wireless networks. International Journal of Communication Systems, 2005, 18, 395-407.	1.6	6
305	Service based CAC with QoS guarantee in mobile wireless cellular networks. International Journal of Communication Systems, 2005, 18, 817-831.	1.6	1
306	QoS-aware mobility support architecture for next generation mobile networks. Wireless Communications and Mobile Computing, 2005, 5, 887-898.	0.8	4

#	ARTICLE	IF	CITATIONS
307	Adaptive directional-aware location update strategy. International Journal of Communication Systems, 2004, 17, 141-161.	1.6	3
308	An adaptive path routing scheme for satellite IP networks. International Journal of Communication Systems, 2003, 16, 5-21.	1.6	15
309	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.	1.6	10