Azzedine Boukerche

List of Publications by Year
in descending order

228 papers	5,094 citations	147801 31 h-index	155660 55 g-index
266 all docs	266 docs citations	266 times ranked	3764 citing authors

#	Article	IF	Citations
1	Geographic and Opportunistic Routing for Underwater Sensor Networks. IEEE Transactions on Computers, 2016, 65, 548-561.	3.4	264
2	Performance Evaluation of Routing Protocols for Ad Hoc Wireless Networks. Mobile Networks and Applications, 2004, 9, 333-342.	3.3	187
3	Vehicular cloud computing: Architectures, applications, and mobility. Computer Networks, 2018, 135, 171-189.	5.1	153
4	Reliable data dissemination protocol for VANET traffic safety applications. Ad Hoc Networks, 2017, 63, 30-44.	5.5	119
5	Machine Learning-based traffic prediction models for Intelligent Transportation Systems. Computer Networks, 2020, 181, 107530.	5.1	119
6	Intelligent Traffic Light Controlling Algorithms Using Vehicular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5887-5899.	6.3	111
7	Underwater Wireless Sensor Networks. ACM Computing Surveys, 2019, 51, 1-36.	23.0	110
8	A Predictive Energy-Efficient Technique to Support Object-Tracking Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 656-663.	6.3	102
9	A novel multi-hop clustering scheme for vehicular ad-hoc networks. , 2011, , .		101
10	Opportunistic Routing in Wireless Networks: Models, Algorithms, and Classifications. ACM Computing Surveys, 2015, 47, 1-36.	23.0	99
11	Energy-aware data-centric routing in microsensor networks. , 2003, , .		95
12	A Survey of Limitations and Enhancements of the IPv6 Routing Protocol for Low-Power and Lossy Networks: A Focus on Core Operations. IEEE Communications Surveys and Tutorials, 2019, 21, 1607-1635.	39.4	92
13	GEDAR: Geographic and opportunistic routing protocol with Depth Adjustment for mobile underwater sensor networks. , 2014, , .		86
14	Artificial intelligence-based vehicular traffic flow prediction methods for supporting intelligent transportation systems. Computer Networks, 2020, 182, 107484.	5.1	86
15	Design guidelines for opportunistic routing in underwater networks. , 2016, 54, 40-48.		83
16	A Novel Algorithm for Mining Association Rules in Wireless Ad Hoc Sensor Networks. IEEE Transactions on Parallel and Distributed Systems, 2008, 19, 865-877.	5.6	68
17	Connectivity and coverage based protocols for wireless sensor networks. Ad Hoc Networks, 2018, 80, 54-69.	5.5	68
18	Design Guidelines for Blockchain-Assisted 5G-UAV Networks. IEEE Network, 2021, 35, 64-71.	6.9	67

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19	An efficient dynamic traffic light scheduling algorithm considering emergency vehicles for intelligent transportation systems. Wireless Networks, 2018, 24, 2451-2463.	3.0	64
20	A performance evaluation of an efficient traffic congestion detection protocol (ECODE) for intelligent transportation systems. Ad Hoc Networks, 2015, 24, 317-336.	5.5	62
21	Blockchain and Fog Computing for Cyberphysical Systems: The Case of Smart Industry. Computer, 2020, 53, 36-45.	1.1	61
22	An Energy Trade Framework Using Smart Contracts: Overview and Challenges. IEEE Network, 2020, 34, 119-125.	6.9	61
23	SSGRU: A novel hybrid stacked GRU-based traffic volume prediction approach in a road network. Computer Communications, 2020, 160, 502-511.	5.1	59
24	Real-Time Vehicle Make and Model Recognition Based on a Bag of SURF Features. IEEE Transactions on Intelligent Transportation Systems, 2016, 17, 3205-3219.	8.0	57
25	A novel void node recovery paradigm for long-term underwater sensor networks. Ad Hoc Networks, 2015, 34, 144-156.	5.5	55
26	An optimal coverage-preserving scheme for wireless sensor networks based on local information exchange. Computer Communications, 2007, 30, 2708-2720.	5.1	51
27	Modeling and Analysis of a Shared Edge Caching System for Connected Cars and Industrial IoT-Based Applications. IEEE Transactions on Industrial Informatics, 2020, 16, 2003-2012.	11.3	43
28	Driving Behavior Analysis Guidelines for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6027-6045.	8.0	43
29	Lane detection and tracking system based on the MSER algorithm, hough transform and kalman filter. , 2014, , .		42
30	Design Guidelines for Information-Centric Connected and Autonomous Vehicles. IEEE Communications Magazine, 2018, 56, 85-91.	6.1	42
31	A Reactive and Scalable Unicast Solution for Video Streaming over VANETs. IEEE Transactions on Computers, 2015, 64, 614-626.	3.4	40
32	Automated Vehicle Detection and Classification. ACM Computing Surveys, 2018, 50, 1-39.	23.0	39
33	A Multipath Video Streaming Solution for Vehicular Networks with Link Disjoint and Node-disjoint. IEEE Transactions on Parallel and Distributed Systems, 2015, 26, 3223-3235.	5.6	38
34	EnOR: Energy balancing routing protocol for underwater sensor networks. , 2017, , .		37
35	Comparing Fog Solutions for Energy Efficiency in Wireless Networks: Challenges and Opportunities. IEEE Wireless Communications, 2019, 26, 80-86.	9.0	35
36	SMART: An Efficient Resource Search and Management Scheme for Vehicular Cloud-Connected System. , 2016, , .		33

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37	Efficient Green Protocols for Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 61-80.	3.1	33
38	Computation Offloading and Retrieval for Vehicular Edge Computing. ACM Computing Surveys, 2021, 53, 1-35.	23.0	33
39	Animal-Vehicle Collision Mitigation System for Automated Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1287-1299.	9.3	32
40	SERVitES: An efficient search and allocation resource protocol based on V2V communication for vehicular cloud. Computer Networks, 2017, 123, 104-118.	5.1	32
41	A Novel Predictive Handover Protocol for Mobile IP in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8476-8495.	6.3	31
42	Towards a novel trust-based opportunistic routing protocol for wireless networks. Wireless Networks, 2016, 22, 927-943.	3.0	31
43	Smart Disaster Detection and Response System for Smart Cities. , 2018, , .		31
44	Performance modeling and analysis of a UAV path planning and target detection in a UAV-based wireless sensor network. Computer Networks, 2018, 146, 217-231.	5.1	31
45	Performance modeling and analysis of void-handling methodologies in underwater wireless sensor networks. Computer Networks, 2017, 126, 1-14.	5.1	30
46	LoICen: A novel location-based and information-centric architecture for content distribution in vehicular networks. Ad Hoc Networks, 2019, 93, 101899.	5.5	30
47	Sustainable Offloading in Mobile Cloud Computing. ACM Computing Surveys, 2020, 52, 1-37.	23.0	30
48	Enabling Intelligent IoCV Services at the Edge for 5G Networks and Beyond. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 5190-5200.	8.0	28
49	Design of lane keeping assist system for autonomous vehicles. , 2015, , .		27
50	A Fast Vehicular Traffic Flow Prediction Scheme Based on Fourier and Wavelet Analysis. , 2018, , .		27
51	AVARAC: An Availability-Based Resource Allocation Scheme for Vehicular Cloud. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3688-3699.	8.0	27
52	A Task-Centric Mobile Cloud-Based System to Enable Energy-Aware Efficient Offloading. IEEE Transactions on Sustainable Computing, 2018, 3, 248-261.	3.1	26
53	A Novel Reinforcement Learning-Based Cooperative Traffic Signal System Through Max-Pressure Control. IEEE Transactions on Vehicular Technology, 2022, 71, 1187-1198.	6.3	25
54	A Hardware Accelerator for the Fast Retrieval of DIALIGN Biological Sequence Alignments in Linear Space. IEEE Transactions on Computers, 2010, 59, 808-821.	3.4	24

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55	Toward a Comprehensive Model for Performance Analysis of Opportunistic Routing in Wireless Mesh Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5424-5438.	6.3	24
56	Modeling and Analysis of Coverage Degree and Target Detection for Autonomous Underwater Vehicle-Based System. IEEE Transactions on Vehicular Technology, 2018, 67, 9959-9971.	6.3	24
57	OMUS: Efficient Opportunistic Routing in Multi-Modal Underwater Sensor Networks. IEEE Transactions on Wireless Communications, 2021, 20, 5642-5655.	9.2	24
58	A Blockchain-Based Decentralized Composition Solution for IoT Services. , 2020, , .		23
59	Unmanned aerial vehicle-assisted energy-efficient data collection scheme for sustainable wireless sensor networks. Computer Networks, 2019, 165, 106927.	5.1	22
60	Modeling and Analysis of Opportunistic Routing in Low Duty-Cycle Underwater Sensor Networks. , 2015, , .		22
61	Media Synchronization and QoS Packet Scheduling Algorithms for Wireless Systems. Mobile Networks and Applications, 2005, 10, 233-249.	3.3	21
62	Transmission power control-based opportunistic routing for wireless sensor networks. , 2014, , .		21
63	Extending the Detection Range of Vision-Based Vehicular Instrumentation. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 856-873.	4.7	20
64	Peer-to-Peer Protocol for Allocated Resources in Vehicular Cloud Based on V2V Communication. , 2017, , .		20
65	A resource allocation scheme based on Semi-Markov Decision Process for dynamic vehicular clouds. , 2017, , .		20
66	A cooperative and adaptive resource scheduling for Vehicular Cloud. , 2017, , .		20
67	Safety and efficiency control protocol for highways using intelligent vehicular networks. Computer Networks, 2019, 152, 1-11.	5.1	20
68	Adaptive ensembles of autoencoders for unsupervised IoT network intrusion detection. Computing (Vienna/New York), 2021, 103, 1209-1232.	4.8	20
69	Performance evaluation of CNN-based pedestrian detectors for autonomous vehicles. Ad Hoc Networks, 2022, 128, 102784.	5.5	20
70	Internet of Intelligence: A Survey on the Enabling Technologies, Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1394-1434.	39.4	20
71	A Voronoi Approach for Scalable and Robust DV-Hop Localization System for Sensor Networks. , 2007, , .		19
72	Scheduling for Scalable Energy-Efficient Localization in Mobile Ad Hoc Networks. , 2010, , .		19

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73	A reactive solution with a redundancy-based error correction mechanism for video dissemination over vehicular ad hoc networks. , 2012, , .		19
74	An Energy-efficient UAV-based Data Aggregation Protocol in Wireless Sensor Networks. , 2018, , .		19
75	Vehicular Clouds Leveraging Mobile Urban Computing Through Resource Discovery. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2640-2647.	8.0	19
76	A Novel Mobility-Aware Offloading Management Scheme in Sustainable Multi-Access Edge Computing. IEEE Transactions on Sustainable Computing, 2022, 7, 1-13.	3.1	19
77	Design of Algorithms and Protocols for Underwater Acoustic Wireless Sensor Networks. ACM Computing Surveys, 2021, 53, 1-34.	23.0	19
78	Localization in Time and Space for Sensor Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	18
79	A distance-based interest forwarding protocol for vehicular information-centric networks. , 2017, , .		18
80	Simulation and Modeling of Wireless, Mobile, and AD HOC Networks. , 2005, , 373-409.		17
81	A Novel Hierarchical Two-Tier Node Deployment Strategy for Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2018, 3, 236-247.	3.1	17
82	A Novel Adaptive and Efficient Routing Update Scheme for Low-Power Lossy Networks in IoT. IEEE Internet of Things Journal, 2018, 5, 5177-5189.	8.7	17
83	DACON: A Novel Traffic Prediction and Data-Highway-Assisted Content Delivery Protocol for Intelligent Vehicular Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 501-513.	3.1	17
84	An Adaptive Traffic-Flow based Controller Deployment Scheme for Software-Defined Vehicular Networks. , 2020, , .		17
85	Design of Edge Computing for 5G-Enabled Tactile Internet-Based Industrial Applications. IEEE Communications Magazine, 2022, 60, 60-66.	6.1	17
86	A Cross-Layer Approach-Based Gnutella for Collaborative Virtual Environments over Mobile Ad Hoc Networks. IEEE Transactions on Parallel and Distributed Systems, 2010, 21, 911-924.	5.6	16
87	Video on Demand in IEEE 802.11p-based Vehicular Networks. , 2018, , .		16
88	A Novel Deep Reinforcement Learning based service migration model for Mobile Edge Computing. , 2020, , .		16
89	Transfer Learning for Disruptive 5G-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 4000-4007.	11.3	16
90	Dynamic partitioning of distributed virtual simulations for reducing communication load. , 2009, , .		15

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91	On the number of candidates in opportunistic routing for multi-hop wireless networks. , 2013, , .		15
92	Integrated Connectivity and Coverage Techniques for Wireless Sensor Networks. , 2016, , .		15
93	RESIDENT: a reliable residue number system-based data transmission mechanism for wireless sensor networks. Wireless Networks, 2018, 24, 597-610.	3.0	15
94	PCR. , 2018, , .		15
95	A Novel Travel-Delay Aware Short-Term Vehicular Traffic Flow Prediction Scheme for VANET. , 2019, , .		15
96	A Joint Anypath Routing and Duty-Cycling Model for Sustainable Underwater Sensor Networks. IEEE Transactions on Sustainable Computing, 2019, 4, 314-325.	3.1	15
97	An Efficient Mobility-Oriented Retrieval Protocol for Computation Offloading in Vehicular Edge Multi-Access Network. IEEE Transactions on Intelligent Transportation Systems, 2020, , 1-14.	8.0	15
98	AI â€assisted data dissemination methods for supporting intelligent transportation systems â€. Internet Technology Letters, 2021, 4, e169.	1.9	15
99	AI-driven autonomous vehicles as COVID-19 assessment centers: A novel crowdsensing-enabled strategy. Pervasive and Mobile Computing, 2021, 75, 101426.	3.3	15
100	SLA. , 2015, , .		15
101	Distance measurement system for smart vehicles. , 2015, , .		14
102	A vehicular network based intelligent lane change assistance protocol for highways. , 2017, , .		14
103	Information-Driven Software-Defined Vehicular Networks: Adapting Flexible Architecture to Various Scenarios. IEEE Vehicular Technology Magazine, 2019, 14, 98-107.	3.4	14
104	A Multi-Layered Scheme for Distributed Simulations on the Cloud Environment. IEEE Transactions on Cloud Computing, 2019, 7, 5-18.	4.4	14
105	An Energy-Efficient Proactive Handover Scheme for Vehicular Networks Based on Passive RSU Detection. IEEE Transactions on Sustainable Computing, 2020, 5, 37-47.	3.1	14
106	Empirical Study and Analysis of the Impact of Traffic Flow Control at Road Intersections on Vehicle Energy Consumption. , 2020, , .		14
107	A Failure Detection Service for Large-Scale Dependable Wireless Ad-Hoc and Sensor Networks. , 2007, , .		13
108	Modeling the sleep interval effects in duty-cycled underwater sensor networks. , 2016, , .		13

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109	Mobility and Handoff Management in Connected Vehicular Networks. , 2018, , .		13
110	Performance Evaluation of an Anonymous Routing Protocol using Mobile Agents for Wireless Ad hoc Networks. , 2007, , .		12
111	Self-Diagnosing Wireless Mesh and Ad-Hoc Networks using an Adaptable Comparison-Based Approach. , 2007, , .		12
112	Towards an Integrated Solution for Node Localization and Data Routing in Sensor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	12
113	A Novel Passive Road Side Unit Detection Scheme in Vehicular Networks. , 2017, , .		12
114	On the Impact of DDoS Attacks on Software-Defined Internet-of-Vehicles Control Plane. , 2018, , .		12
115	Vision-based Autonomous Vehicle Recognition. ACM Computing Surveys, 2022, 54, 1-37.	23.0	12
116	Design Guidelines for Cooperative UAV-supported Services and Applications. ACM Computing Surveys, 2022, 54, 1-35.	23.0	12
117	A Novel Two-Mode QoS-Aware Mobile Charger Scheduling Method for Achieving Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2022, 7, 14-26.	3.1	12
118	Challenges and Potential Solutions for Designing A Practical Pedestrian Detection Framework for Supporting Autonomous Driving. , 2020, , .		12
119	Siamese Temporal Convolutional Networks for Driver Identification Using Driver Steering Behavior Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18076-18087.	8.0	12
120	Distributed dynamic balancing of communication load for large-scale HLA-based simulations. , 2010, , .		11
121	Information-Centric Cognitive Radio Networks for Content Distribution in Smart Cities. IEEE Network, 2019, 33, 146-151.	6.9	11
122	An Efficient Green-Aware Architecture for Virtual Machine Migration in Sustainable Vehicular Clouds. IEEE Transactions on Sustainable Computing, 2020, 5, 25-36.	3.1	11
123	Novel Sustainable and Heterogeneous Offloading Management Techniques in Proactive Cloudlets. IEEE Transactions on Sustainable Computing, 2021, 6, 334-346.	3.1	11
124	Design Guidelines on Deep Learning–based Pedestrian Detection Methods for Supporting Autonomous Vehicles. ACM Computing Surveys, 2022, 54, 1-36.	23.0	11
125	A Novel Joint Optimization Method Based on Mobile Data Collection for Wireless Rechargeable Sensor Networks. IEEE Transactions on Green Communications and Networking, 2021, 5, 1610-1622.	5.5	11
126	A Novel Multimodal Vehicle Path Prediction Method Based on Temporal Convolutional Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 25384-25395.	8.0	11

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127	Reducing null messages overhead through load balancing in conservative distributed simulation systems. Journal of Parallel and Distributed Computing, 2004, 64, 330-344.	4.1	10
128	A Local Information Exchange Based Coverage-Preserving Protocol For Wireless Sensor Networks. , 2006, , .		10
129	In-Network Data Reduction and Coverage-Based Mechanisms for Generating Association Rules in Wireless Sensor Networks. IEEE Transactions on Vehicular Technology, 2009, 58, 4426-4438.	6.3	10
130	Movement prediction models for vehicular networks: an empirical analysis. Wireless Networks, 2019, 25, 1505-1518.	3.0	10
131	A Dynamic MAP Discovery and Selection Scheme for Predictive Hierarchical MIPv6 in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 793-806.	6.3	10
132	Co-Design of Consensus-Based Approach and Reliable Communication Protocol for Vehicular Platoon Control. IEEE Transactions on Vehicular Technology, 2021, 70, 9510-9524.	6.3	10
133	Traffic Efficiency Applications over Downtown Roads. ACM Computing Surveys, 2021, 53, 1-30.	23.0	10
134	An efficient hybrid multicast transport protocol for collaborative virtual environment with networked haptic. Multimedia Systems, 2007, 13, 283-296.	4.7	9
135	Drizzle: Adaptive and fair route maintenance algorithm for Low-power and Lossy Networks in IoT. , 2017, , .		9
136	FORESAMâ€"FOG Paradigm-Based Resource Allocation Mechanism for Vehicular Clouds. Sensors, 2021, 21, 5028.	3.8	9
137	Formal Verification and Performance Analysis of a New Data Exchange Protocol for Connected Vehicles. IEEE Transactions on Vehicular Technology, 2020, 69, 15385-15397.	6.3	9
138	ARMA: An Efficient Secure Ad Hoc Routing Protocol. , 2007, , .		8
139	Predictive Dynamic Load Balancing for Large-Scale HLA-based Simulations. , 2011, , .		8
140	Towards ensuring the reliability and dependability of vehicular crowd-sensing data in GPS-less location tracking. Pervasive and Mobile Computing, 2020, 68, 101248.	3.3	8
141	A Novel Hybrid MAC Protocol for Sustainable Delay-Tolerant Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 455-467.	3.1	8
142	Design Guidelines for Machine Learning-based Cybersecurity in Internet of Things. IEEE Network, 2021, 35, 393-399.	6.9	8
143	Traffic Signal Control Using Deep Reinforcement Learning with Multiple Resources of Rewards. , 2019, , .		8
144	Design Guidelines for Mammogram-Based Computer-Aided Systems Using Deep Learning Techniques. IEEE Access, 2022, 10, 21701-21726.	4.2	8

#	Article	IF	Citations
145	A Novel Data Mining Technique for Extracting Events and Inter Knowledge based Information from Wireless Sensor Networks. Local Computer Networks (LCN), Proceedings of the IEEE Conference on, 2006, , .	0.0	7
146	A flow mobility management architecture based on proxy mobile IPv6 for vehicular networks. , 2016, , .		7
147	A Novel Cloudlet-Dwell-Time Estimation Method for Assisting Vehicular Edge Computing Applications. , 2019, , .		7
148	Secure opportunistic routing protocols: methods, models, and classification. Wireless Networks, 2019, 25, 559-571.	3.0	7
149	A Novel Smart Lightweight Visual Attention Model for Fine-Grained Vehicle Recognition. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 13846-13862.	8.0	7
150	An Efficient Trust-Based Reputation Protocol for Wireless and Mobile Ad Hoc Networks: Proof and Correctness. , 2008, , .		6
151	Design of A QoS-Aware Service Composition and Management System in Peer-to-Peer Network Aided by DEVS. , 2008, , .		6
152	Exact pairwise alignment of megabase genome biological sequences using a novel z-align parallel strategy. , 2009, , .		6
153	A Map Matching Based Framework to Reconstruct Vehicular Trajectories from GPS Datasets. , 2020, , .		6
154	A Novel Joint Data Gathering and Wireless Charging Scheme for Sustainable Wireless Sensor Networks. , 2020, , .		6
155	DriverRep: Driver identification through driving behavior embeddings. Journal of Parallel and Distributed Computing, 2022, 162, 105-117.	4.1	6
156	V-Square: An Accurate Time Synchronization Protocol for Wireless Video Sensor Networks. , 2008, , .		5
157	A bio-inspired coverage-aware scheduling scheme for wireless sensor networks. , 2010, , .		5
158	Hybrid MPI/OpenMP Strategy for Biological Multiple Sequence Alignment with DIALIGN-TX in Heterogeneous Multicore Clusters. , 2011, , .		5
159	Characterization and mitigation of the energy hole problem of many-to-one communication in Wireless Sensor Networks. , 2012, , .		5
160	Enabling HLA-based Simulations on the Cloud. , 2015, , .		5
161	Powerâ€aware server consolidation for federated clouds. Concurrency Computation Practice and Experience, 2016, 28, 3427-3444.	2.2	5
162	Inter-vehicle communication of warning information: an experimental study. Wireless Networks, 2017, 23, 1837-1848.	3.0	5

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163	The Trap Coverage Area Protocol for Scalable Vehicular Target Tracking. IEEE Access, 2017, 5, 4470-4491.	4.2	5
164	REPRO. , 2017, , .		5
165	A Novel Infrastructure-Based Worm Spreading Countermeasure for Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2188-2203.	8.0	5
166	Knowledge-Based Machine Learning Boosting for Adversarial Task Detection in Mobile Crowdsensing. , 2020, , .		5
167	Smart and Green Mobility Management for 5Gâ€enabled Vehicular Networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4054.	3.9	5
168	ADVICE-LOC: An adaptive vehicle-centric location management scheme for intelligent connected cars. Ad Hoc Networks, 2020, 107, 102223.	5.5	5
169	FECO: An Efficient Deep Reinforcement Learning-Based Fuel-Economic Traffic Signal Control Scheme. IEEE Transactions on Sustainable Computing, 2022, 7, 144-156.	3.1	5
170	An Efficient Time Management Scheme for Large-Scale Distributed Simulation Based on JXTA Peer-to-Peer Network. , 2008, , .		4
171	Multiple biological sequence alignment in heterogeneous multicore clusters with user-selectable task allocation policies. Journal of Supercomputing, 2013, 63, 740-756.	3.6	4
172	A modular distributed simulation-based architecture for intelligent transportation systems. Concurrency Computation Practice and Experience, 2016, 28, 3409-3426.	2.2	4
173	Analysis of Underwater Target Detection Probability by Using Autonomous Underwater Vehicles. , 2017, , .		4
174	Reliability-Driven Vehicular Crowd-Sensing: A Case Study for Localization in Public Transportation. , 2018, , .		4
175	A Novel Proactive Handover Scheme for Achieving Energy-Efficient Vehicular Networks. , 2018, , .		4
176	DisTraC: A Distributed and Low-Overhead Protocol for Traffic Congestion Control Using Vehicular Networks. , 2019, , .		4
177	A Gossip-Style Crash Faults Detection Protocol for Wireless Ad-Hoc and Mesh Networks. Performance, Computing and Communications Conference (IPCCC), IEEE International, 2007, , .	0.0	3
178	Probabilistic Estimation of Location Error in Wireless Ad Hoc Networks. , 2010, , .		3
179	EXACT PARALLEL ALIGNMENT OF MEGABASE GENOMIC SEQUENCES WITH TUNABLE WORK DISTRIBUTION. International Journal of Foundations of Computer Science, 2012, 23, 407-429.	1.1	3
180	Distributed re-arrangement scheme for balancing computational load and minimizing communication delays in HLA-based simulations. Concurrency Computation Practice and Experience, 2013, 25, 626-648.	2.2	3

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181	An Adaptive Traffic Energy-Efficient MAC Protocol for Mobile Delay-Tolerant Sensor Networks. , 2016, , .		3
182	A novel video-based application for road markings detection and recognition. , 2017, , .		3
183	E3TX: an energy-efficient expected transmission count routing decision strategy for wireless sensor networks. Wireless Networks, 2018, 24, 2483-2496.	3.0	3
184	An Efficient Freeway Driving Assistance Protocol in Vehicular Networks. , 2019, , .		3
185	Towards a Sustainable Highway Road-Based Driving Protocol for Connected and Self-Driving Vehicles. IEEE Transactions on Sustainable Computing, 2022, 7, 235-247.	3.1	3
186	An Energy-Efficient Controller Management Scheme for Software-Defined Vehicular Networks. IEEE Transactions on Sustainable Computing, 2022, 7, 61-74.	3.1	3
187	Security Enhancing Method in Vehicular Networks by Exploiting the Accurate Traffic Flow Prediction. , 2021, , .		3
188	A Novel Lightweight Defense Method Against Adversarial Patches-Based Attacks on Automated Vehicle Make and Model Recognition Systems. Journal of Network and Systems Management, 2021, 29, 1.	4.9	3
189	Toward Driver Intention Prediction for Intelligent Vehicles: A Deep Learning Approach. , 2021, , .		3
190	A novel visibility semantic feature-aided pedestrian detection scheme for autonomous vehicles. Computer Communications, 2021, 179, 50-61.	5.1	3
191	Adversarial Patches-based Attacks on Automated Vehicle Make and Model Recognition Systems. , 2020, , .		3
192	Swarm-Based and Energy-Aware Unmanned Aerial Vehicle System for Video Delivery of Mobile Objects. IEEE Transactions on Vehicular Technology, 2022, 71, 766-779.	6.3	3
193	Toward The Design of An Efficient Transparent Traffic Environment Based on Vehicular Edge Computing. , 2021, , .		3
194	An Adaptive Fault Identification Protocol for an Emergency/Rescue-Based Wireless and Mobile Ad-Hoc Network. , 2007, , .		2
195	Knowledge discovery in Wireless Sensor Networks for Chronological Patterns. , 2008, , .		2
196	Reconstructing the Plenoptic function from wireless multimedia sensor networks. , 2008, , .		2
197	Design of a virtual environment aided by a model€based formal approach using DEVS. Concurrency Computation Practice and Experience, 2009, 21, 1422-1436.	2.2	2
198	An Efficient Adaptive Transmission Control Scheme for Large-Scale Distributed Simulation Systems. IEEE Transactions on Parallel and Distributed Systems, 2009, 20, 246-260.	5.6	2

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199	A scheduling and load balancing scheme for dynamic P2P-based system. Concurrency Computation Practice and Experience, 2010, 22, 1325-1334.	2.2	2
200	Self-Adaptive Context Data Management in Large-Scale Mobile Systems. IEEE Transactions on Computers, 2014, 63, 2549-2562.	3.4	2
201	Serial In-network Processing for Large Stationary Wireless Sensor Networks. , 2017, , .		2
202	Fuel Efficient Routes Using Vehicular Sensor Data. , 2018, , .		2
203	VPPE: A Novel Visual Parallel Programming Environment. International Journal of Parallel Programming, 2019, 47, 1117-1151.	1.5	2
204	PCon: A Novel Opportunistic Routing Protocol for Duty-Cycled Internet of Underwater Things. , 2019, , .		2
205	A Novel Data Collector Path Optimization Method for Lifetime Prolonging in Wireless Sensor Networks. , 2019, , .		2
206	Self Organizing Feature Map-Integrated Knowledge-Based Deep Network Against Fake Crowdsensing Tasks. , 2020, , .		2
207	A Secure Key Management Scheme for Wireless and Mobile Ad Hoc Networks Using Frequency-Based Approach: Proof and Correctness. , 2008, , .		1
208	Bag-of-Tasks Self-Scheduling over Range-Queriable Search Overlays. , 2009, , .		1
209	Architectural design for the 3D virtual Radiology Department using Virtual reality technology. , 2009, , .		1
210	A formalized approach for designing a P2P-based dynamic load balancing scheme. Concurrency Computation Practice and Experience, 2010, 22, 1223-1239.	2.2	1
211	Error-Resilient Routing for Supporting Multi-dimensional Range Query in HD Tree. , 2011, , .		1
212	A Comprehensive Reputation System to Improve the Security of Opportunistic Routing Protocols in Wireless Networks. , 2015, , .		1
213	PASOR: A Packet Salvaging Model for Opportunistic Routing Protocols. , 2016, , .		1
214	Traffic signs localisation and recognition using a client-server architecture. , 2016, , .		1
215	A performance evaluation of mobility management and multihop supplying partner strategies for 3D streaming systems over thin mobile devices. Concurrency Computation Practice and Experience, 2016, 28, 1769-1795.	2.2	1
216	Tutorial Information-Centric Vehicular Networking: Why and Wherefores, Challenges, and Design Guidelines. , 2019, , .		1

#	Article	IF	Citations
217	Encoded Flow Features for Network Intrusion Detection in Internet of Things. , 2020, , .		1
218	WSN03-1: A Dynamic Distributed Diagnosis Protocol for Wireless and Mobile Ad-Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
219	Guest editorial: Selected papers on wireless multimedia networking from the WMuNeP'06 Conference. Multimedia Systems, 2008, 14, 133-133.	4.7	0
220	A scalable adaptive time synchronization protocol for Large Scale Distributed Collaborative Simulation Environment. , 2008, , .		0
221	Wiley Series on Parallel and Distributed Computing. , 2008, , 496-497.		0
222	Opportunistic Routing in Wireless Multi-hop Networks: A Tutorial. , 2014, , .		0
223	A Comprehensive Reputation System to Improve the Security of Opportunistic Routing Protocols in Wireless Networks. , 2014, , .		0
224	A Genetic Algorithm Approach for Adjusting Time Series Based Load Prediction. , 2015, , .		0
225	A comparative study of possible solutions for transmission of vehicular safety messages in LTE-based networks. , 2017, , .		0
226	Machine Learning-Backed Planning of Rapid COVID-19 Tests With Autonomous Vehicles With Zero-Day Considerations. IEEE Transactions on Emerging Topics in Computational Intelligence, 2022, 6, 41-52.	4.9	0
227	A novel cloud-based traffic aware data routing protocol for smart connected vehicles. Computing (Vienna/New York), 0, , 1.	4.8	0
228	Convolutional and Recurrent Neural Networks for Driver Identification: An Empirical Study. , 2022, , .		0