Azzedine Boukerche

List of Publications by Year
in descending order

228	5,094	147801	155660
papers	citations	31 h-index	55 g-index

266	266	266	3764
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Smart and Green Mobility Management for 5Gâ€enabled Vehicular Networks. Transactions on Emerging Telecommunications Technologies, 2022, 33, e4054.	3.9	5
2	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
3	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
4	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
5	Transfer Learning for Disruptive 5G-Enabled Industrial Internet of Things. IEEE Transactions on Industrial Informatics, 2022, 18, 4000-4007.	11.3	16
6	An Energy-Efficient Controller Management Scheme for Software-Defined Vehicular Networks. IEEE Transactions on Sustainable Computing, 2022, 7, 61-74.	3.1	3
7	Driving Behavior Analysis Guidelines for Intelligent Transportation Systems. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6027-6045.	8.0	43
8	Vision-based Autonomous Vehicle Recognition. ACM Computing Surveys, 2022, 54, 1-37.	23.0	12
9	Design Guidelines on Deep Learningâ€“based Pedestrian Detection Methods for Supporting Autonomous Vehicles. ACM Computing Surveys, 2022, 54, 1-36.	23.0	11
10	Design Guidelines for Cooperative UAV-supported Services and Applications. ACM Computing Surveys, 2022, 54, 1-35.	23.0	12
11	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
12	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
13	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
14	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
15	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
16	DriverRep: Driver identification through driving behavior embeddings. Journal of Parallel and Distributed Computing, 2022, 162, 105-117.	4.1	6
17	Performance evaluation of CNN-based pedestrian detectors for autonomous vehicles. Ad Hoc Networks, 2022, 128, 102784.	5.5	20
18	Design of Edge Computing for 5G-Enabled Tactile Internet-Based Industrial Applications. IEEE Communications Magazine, 2022, 60, 60-66.	6.1	17

#	Article	IF	Citations
19	Design Guidelines for Mammogram-Based Computer-Aided Systems Using Deep Learning Techniques. IEEE Access, 2022, 10, 21701-21726.	4.2	8
20	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
21	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
22	Internet of Intelligence: A Survey on the Enabling Technologies, Applications, and Challenges. IEEE Communications Surveys and Tutorials, 2022, 24, 1394-1434.	39.4	20
23	Convolutional and Recurrent Neural Networks for Driver Identification: An Empirical Study. , 2022, , .		0
24	Novel Sustainable and Heterogeneous Offloading Management Techniques in Proactive Cloudlets. IEEE Transactions on Sustainable Computing, 2021, 6, 334-346.	3.1	11
25	AI â€assisted data dissemination methods for supporting intelligent transportation systems â€. Internet Technology Letters, 2021, 4, e169.	1.9	15
26	Design Guidelines for Machine Learning-based Cybersecurity in Internet of Things. IEEE Network, 2021, 35, 393-399.	6.9	8
27	Design Guidelines for Blockchain-Assisted 5G-UAV Networks. IEEE Network, 2021, 35, 64-71.	6.9	67
28	Design of Algorithms and Protocols for Underwater Acoustic Wireless Sensor Networks. ACM Computing Surveys, 2021, 53, 1-34.	23.0	19
29	Adaptive ensembles of autoencoders for unsupervised IoT network intrusion detection. Computing (Vienna/New York), 2021, 103, 1209-1232.	4.8	20
30	Security Enhancing Method in Vehicular Networks by Exploiting the Accurate Traffic Flow Prediction. , 2021, , .		3
31	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
32	FORESAMâ€"FOG Paradigm-Based Resource Allocation Mechanism for Vehicular Clouds. Sensors, 2021, 21, 5028.	3.8	9
33	AI-driven autonomous vehicles as COVID-19 assessment centers: A novel crowdsensing-enabled strategy. Pervasive and Mobile Computing, 2021, 75, 101426.	3.3	15
34	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
35	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
36	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

#	Article	IF	Citations
37	OMUS: Efficient Opportunistic Routing in Multi-Modal Underwater Sensor Networks. IEEE Transactions on Wireless Communications, 2021, 20, 5642-5655.	9.2	24
38	Toward Driver Intention Prediction for Intelligent Vehicles: A Deep Learning Approach. , 2021, , .		3
39	A novel visibility semantic feature-aided pedestrian detection scheme for autonomous vehicles. Computer Communications, 2021, 179, 50-61.	5.1	3
40	Computation Offloading and Retrieval for Vehicular Edge Computing. ACM Computing Surveys, 2021, 53, 1-35.	23.0	33
41	Traffic Efficiency Applications over Downtown Roads. ACM Computing Surveys, 2021, 53, 1-30.	23.0	10
42	Toward The Design of An Efficient Transparent Traffic Environment Based on Vehicular Edge Computing. , 2021, , .		3
43	Sustainable Offloading in Mobile Cloud Computing. ACM Computing Surveys, 2020, 52, 1-37.	23.0	30
44	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
45	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
46	Efficient Green Protocols for Sustainable Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 61-80.	3.1	33
47	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
48	Vehicular Clouds Leveraging Mobile Urban Computing Through Resource Discovery. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 2640-2647.	8.0	19
49	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
50	Artificial intelligence-based vehicular traffic flow prediction methods for supporting intelligent transportation systems. Computer Networks, 2020, 182, 107484.	5.1	86
51	Machine Learning-based traffic prediction models for Intelligent Transportation Systems. Computer Networks, 2020, 181, 107530.	5.1	119
52	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
53	A Map Matching Based Framework to Reconstruct Vehicular Trajectories from GPS Datasets. , 2020, , .		6
54	A Blockchain-Based Decentralized Composition Solution for IoT Services. , 2020, , .		23

#	Article	IF	Citations
55	Knowledge-Based Machine Learning Boosting for Adversarial Task Detection in Mobile Crowdsensing. , 2020, , .		5
56	A Novel Joint Data Gathering and Wireless Charging Scheme for Sustainable Wireless Sensor Networks. , 2020, , .		6
57	Blockchain and Fog Computing for Cyberphysical Systems: The Case of Smart Industry. Computer, 2020, 53, 36-45.	1.1	61
58	A Novel Deep Reinforcement Learning based service migration model for Mobile Edge Computing. , 2020, , .		16
59	An Energy Trade Framework Using Smart Contracts: Overview and Challenges. IEEE Network, 2020, 34, 119-125.	6.9	61
60	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
61	Encoded Flow Features for Network Intrusion Detection in Internet of Things. , 2020, , .		1
62	A Novel Hybrid MAC Protocol for Sustainable Delay-Tolerant Wireless Sensor Networks. IEEE Transactions on Sustainable Computing, 2020, 5, 455-467.	3.1	8
63	ADVICE-LOC: An adaptive vehicle-centric location management scheme for intelligent connected cars. Ad Hoc Networks, 2020, 107, 102223.	5.5	5
64	SSGRU: A novel hybrid stacked GRU-based traffic volume prediction approach in a road network. Computer Communications, 2020, 160, 502-511.	5.1	59
65	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
66	An Adaptive Traffic-Flow based Controller Deployment Scheme for Software-Defined Vehicular Networks. , 2020, , .		17
67	Self Organizing Feature Map-Integrated Knowledge-Based Deep Network Against Fake Crowdsensing Tasks. , 2020, , .		2
68	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
69	Challenges and Potential Solutions for Designing A Practical Pedestrian Detection Framework for Supporting Autonomous Driving. , 2020, , .		12
70	Empirical Study and Analysis of the Impact of Traffic Flow Control at Road Intersections on Vehicle Energy Consumption. , 2020, , .		14
71	Adversarial Patches-based Attacks on Automated Vehicle Make and Model Recognition Systems. , 2020, , .		3
72	Underwater Wireless Sensor Networks. ACM Computing Surveys, 2019, 51, 1-36.	23.0	110

#	Article	IF	Citations
73	Information-Centric Cognitive Radio Networks for Content Distribution in Smart Cities. IEEE Network, 2019, 33, 146-151.	6.9	11
74	A Novel Travel-Delay Aware Short-Term Vehicular Traffic Flow Prediction Scheme for VANET. , 2019, , .		15
75	Unmanned aerial vehicle-assisted energy-efficient data collection scheme for sustainable wireless sensor networks. Computer Networks, 2019, 165, 106927.	5.1	22
76	Safety and efficiency control protocol for highways using intelligent vehicular networks. Computer Networks, 2019, 152, 1-11.	5.1	20
77	LoICen: A novel location-based and information-centric architecture for content distribution in vehicular networks. Ad Hoc Networks, 2019, 93, 101899.	5.5	30
78	VPPE: A Novel Visual Parallel Programming Environment. International Journal of Parallel Programming, 2019, 47, 1117-1151.	1.5	2
79	A Novel Cloudlet-Dwell-Time Estimation Method for Assisting Vehicular Edge Computing Applications. , 2019, , .		7
80	PCon: A Novel Opportunistic Routing Protocol for Duty-Cycled Internet of Underwater Things. , 2019, , .		2
81	DisTraC: A Distributed and Low-Overhead Protocol for Traffic Congestion Control Using Vehicular Networks. , 2019, , .		4
82	A Novel Data Collector Path Optimization Method for Lifetime Prolonging in Wireless Sensor Networks. , 2019, , .		2
83	An Efficient Freeway Driving Assistance Protocol in Vehicular Networks. , 2019, , .		3
84	Tutorial Information-Centric Vehicular Networking: Why and Wherefores, Challenges, and Design Guidelines. , 2019, , .		1
85	Comparing Fog Solutions for Energy Efficiency in Wireless Networks: Challenges and Opportunities. IEEE Wireless Communications, 2019, 26, 80-86.	9.0	35
86	AVARAC: An Availability-Based Resource Allocation Scheme for Vehicular Cloud. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 3688-3699.	8.0	27
87	Information-Driven Software-Defined Vehicular Networks: Adapting Flexible Architecture to Various Scenarios. IEEE Vehicular Technology Magazine, 2019, 14, 98-107.	3.4	14
88	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
89	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
90	A Multi-Layered Scheme for Distributed Simulations on the Cloud Environment. IEEE Transactions on Cloud Computing, 2019, 7, 5-18.	4.4	14

#	Article	IF	Citations
91	Secure opportunistic routing protocols: methods, models, and classification. Wireless Networks, 2019, 25, 559-571.	3.0	7
92	Movement prediction models for vehicular networks: an empirical analysis. Wireless Networks, 2019, 25, 1505-1518.	3.0	10
93	Traffic Signal Control Using Deep Reinforcement Learning with Multiple Resources of Rewards. , 2019, , .		8
94	Automated Vehicle Detection and Classification. ACM Computing Surveys, 2018, 50, 1-39.	23.0	39
95	Vehicular cloud computing: Architectures, applications, and mobility. Computer Networks, 2018, 135, 171-189.	5.1	153
96	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
97	RESIDENT: a reliable residue number system-based data transmission mechanism for wireless sensor networks. Wireless Networks, 2018, 24, 597-610.	3.0	15
98	An efficient dynamic traffic light scheduling algorithm considering emergency vehicles for intelligent transportation systems. Wireless Networks, 2018, 24, 2451-2463.	3.0	64
99	E3TX: an energy-efficient expected transmission count routing decision strategy for wireless sensor networks. Wireless Networks, 2018, 24, 2483-2496.	3.0	3
100	Reliability-Driven Vehicular Crowd-Sensing: A Case Study for Localization in Public Transportation. , 2018, , .		4
101	A Fast Vehicular Traffic Flow Prediction Scheme Based on Fourier and Wavelet Analysis. , 2018, , .		27
102	Mobility and Handoff Management in Connected Vehicular Networks. , 2018, , .		13
103	Smart Disaster Detection and Response System for Smart Cities. , 2018, , .		31
104	A Novel Proactive Handover Scheme for Achieving Energy-Efficient Vehicular Networks. , 2018, , .		4
105	Fuel Efficient Routes Using Vehicular Sensor Data. , 2018, , .		2
106	Video on Demand in IEEE 802.11p-based Vehicular Networks. , 2018, , .		16
107	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
108	PCR. , 2018, , .		15

#	Article	IF	Citations
109	An Energy-efficient UAV-based Data Aggregation Protocol in Wireless Sensor Networks. , 2018, , .		19
110	Design Guidelines for Information-Centric Connected and Autonomous Vehicles. IEEE Communications Magazine, 2018, 56, 85-91.	6.1	42
111	On the Impact of DDoS Attacks on Software-Defined Internet-of-Vehicles Control Plane. , 2018, , .		12
112	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
113	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
114	Connectivity and coverage based protocols for wireless sensor networks. Ad Hoc Networks, 2018, 80, 54-69.	5.5	68
115	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
116	A Novel Infrastructure-Based Worm Spreading Countermeasure for Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 2188-2203.	8.0	5
117	Inter-vehicle communication of warning information: an experimental study. Wireless Networks, 2017, 23, 1837-1848.	3.0	5
118	Peer-to-Peer Protocol for Allocated Resources in Vehicular Cloud Based on V2V Communication. , 2017, , .		20
119	Reliable data dissemination protocol for VANET traffic safety applications. Ad Hoc Networks, 2017, 63, 30-44.	5.5	119
120	SERVitES: An efficient search and allocation resource protocol based on V2V communication for vehicular cloud. Computer Networks, 2017, 123, 104-118.	5.1	32
121	The Trap Coverage Area Protocol for Scalable Vehicular Target Tracking. IEEE Access, 2017, 5, 4470-4491.	4.2	5
122	A resource allocation scheme based on Semi-Markov Decision Process for dynamic vehicular clouds. , 2017, , .		20
123	A novel video-based application for road markings detection and recognition. , 2017, , .		3
124	Drizzle: Adaptive and fair route maintenance algorithm for Low-power and Lossy Networks in IoT. , 2017, , .		9
125	EnOR: Energy balancing routing protocol for underwater sensor networks. , 2017, , .		37
126	A vehicular network based intelligent lane change assistance protocol for highways. , 2017, , .		14

#	Article	IF	Citations
127	Serial In-network Processing for Large Stationary Wireless Sensor Networks. , 2017, , .		2
128	Performance modeling and analysis of void-handling methodologies in underwater wireless sensor networks. Computer Networks, 2017, 126, 1-14.	5.1	30
129	A Novel Passive Road Side Unit Detection Scheme in Vehicular Networks. , 2017, , .		12
130	A cooperative and adaptive resource scheduling for Vehicular Cloud. , 2017, , .		20
131	A comparative study of possible solutions for transmission of vehicular safety messages in LTE-based networks. , 2017, , .		0
132	A distance-based interest forwarding protocol for vehicular information-centric networks. , 2017, , .		18
133	Analysis of Underwater Target Detection Probability by Using Autonomous Underwater Vehicles. , 2017, , .		4
134	REPRO. , 2017, , .		5
135	Powerâ€aware server consolidation for federated clouds. Concurrency Computation Practice and Experience, 2016, 28, 3427-3444.	2.2	5
136	A modular distributed simulation-based architecture for intelligent transportation systems. Concurrency Computation Practice and Experience, 2016, 28, 3409-3426.	2.2	4
137	Integrated Connectivity and Coverage Techniques for Wireless Sensor Networks. , 2016, , .		15
138	SMART: An Efficient Resource Search and Management Scheme for Vehicular Cloud-Connected System. , 2016, , .		33
139	An Adaptive Traffic Energy-Efficient MAC Protocol for Mobile Delay-Tolerant Sensor Networks. , 2016, , .		3
140	PASOR: A Packet Salvaging Model for Opportunistic Routing Protocols. , 2016, , .		1
141	Traffic signs localisation and recognition using a client-server architecture. , 2016, , .		1
142	A flow mobility management architecture based on proxy mobile IPv6 for vehicular networks. , 2016, , .		7
143	Modeling the sleep interval effects in duty-cycled underwater sensor networks. , 2016, , .		13
144	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

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145	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
146	Animal-Vehicle Collision Mitigation System for Automated Vehicles. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2016, 46, 1287-1299.	9.3	32
147	Design guidelines for opportunistic routing in underwater networks. , 2016, 54, 40-48.		83
148	Extending the Detection Range of Vision-Based Vehicular Instrumentation. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 856-873.	4.7	20
149	A Novel Predictive Handover Protocol for Mobile IP in Vehicular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 8476-8495.	6.3	31
150	Intelligent Traffic Light Controlling Algorithms Using Vehicular Networks. IEEE Transactions on Vehicular Technology, 2016, 65, 5887-5899.	6.3	111
151	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
152	Towards a novel trust-based opportunistic routing protocol for wireless networks. Wireless Networks, 2016, 22, 927-943.	3.0	31
153	Geographic and Opportunistic Routing for Underwater Sensor Networks. IEEE Transactions on Computers, 2016, 65, 548-561.	3.4	264
154	Enabling HLA-based Simulations on the Cloud. , 2015, , .		5
155	A Comprehensive Reputation System to Improve the Security of Opportunistic Routing Protocols in Wireless Networks. , 2015, , .		1
156	A novel void node recovery paradigm for long-term underwater sensor networks. Ad Hoc Networks, 2015, 34, 144-156.	5.5	55
157	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
158	Design of lane keeping assist system for autonomous vehicles. , 2015, , .		27
159	Distance measurement system for smart vehicles. , 2015, , .		14
160	A Genetic Algorithm Approach for Adjusting Time Series Based Load Prediction. , 2015, , .		0
161	Opportunistic Routing in Wireless Networks: Models, Algorithms, and Classifications. ACM Computing Surveys, 2015, 47, 1-36.	23.0	99
162	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

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163	A Reactive and Scalable Unicast Solution for Video Streaming over VANETs. IEEE Transactions on Computers, 2015, 64, 614-626.	3.4	40
164	Modeling and Analysis of Opportunistic Routing in Low Duty-Cycle Underwater Sensor Networks. , 2015, , .		22
165	SLA. , 2015, , .		15
166	Opportunistic Routing in Wireless Multi-hop Networks: A Tutorial. , 2014, , .		0
167	A Comprehensive Reputation System to Improve the Security of Opportunistic Routing Protocols in Wireless Networks. , 2014, , .		0
168	Transmission power control-based opportunistic routing for wireless sensor networks. , 2014, , .		21
169	Self-Adaptive Context Data Management in Large-Scale Mobile Systems. IEEE Transactions on Computers, 2014, 63, 2549-2562.	3.4	2
170	GEDAR: Geographic and opportunistic routing protocol with Depth Adjustment for mobile underwater sensor networks. , 2014, , .		86
171	Lane detection and tracking system based on the MSER algorithm, hough transform and kalman filter. , 2014, , .		42
172	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
173	Multiple biological sequence alignment in heterogeneous multicore clusters with user-selectable task allocation policies. Journal of Supercomputing, 2013, 63, 740-756.	3.6	4
174	On the number of candidates in opportunistic routing for multi-hop wireless networks. , 2013, , .		15
175	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
176	Characterization and mitigation of the energy hole problem of many-to-one communication in Wireless Sensor Networks. , 2012, , .		5
177	A reactive solution with a redundancy-based error correction mechanism for video dissemination over vehicular ad hoc networks. , 2012, , .		19
178	Hybrid MPI/OpenMP Strategy for Biological Multiple Sequence Alignment with DIALIGN-TX in Heterogeneous Multicore Clusters. , 2011, , .		5
179	Predictive Dynamic Load Balancing for Large-Scale HLA-based Simulations. , 2011, , .		8
180	A Predictive Energy-Efficient Technique to Support Object-Tracking Sensor Networks. IEEE Transactions on Vehicular Technology, 2011, 60, 656-663.	6.3	102

#	Article	IF	Citations
181	A novel multi-hop clustering scheme for vehicular ad-hoc networks. , 2011, , .		101
182	Error-Resilient Routing for Supporting Multi-dimensional Range Query in HD Tree. , 2011, , .		1
183	A formalized approach for designing a P2P-based dynamic load balancing scheme. Concurrency Computation Practice and Experience, 2010, 22, 1223-1239.	2.2	1
184	A scheduling and load balancing scheme for dynamic P2P-based system. Concurrency Computation Practice and Experience, 2010, 22, 1325-1334.	2.2	2
185	Probabilistic Estimation of Location Error in Wireless Ad Hoc Networks. , 2010, , .		3
186	A bio-inspired coverage-aware scheduling scheme for wireless sensor networks. , 2010, , .		5
187	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
188	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
189	Scheduling for Scalable Energy-Efficient Localization in Mobile Ad Hoc Networks. , 2010, , .		19
190	Distributed dynamic balancing of communication load for large-scale HLA-based simulations. , 2010, , .		11
191	Exact pairwise alignment of megabase genome biological sequences using a novel z-align parallel strategy. , 2009, , .		6
192	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
193	Design of a virtual environment aided by a modelâ€based formal approach using DEVS. Concurrency Computation Practice and Experience, 2009, 21, 1422-1436.	2.2	2
194	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
195	Dynamic partitioning of distributed virtual simulations for reducing communication load. , 2009, , .		15
196	Bag-of-Tasks Self-Scheduling over Range-Queriable Search Overlays. , 2009, , .		1
197	Architectural design for the 3D virtual Radiology Department using Virtual reality technology. , 2009, , .		1
198	Guest editorial: Selected papers on wireless multimedia networking from the WMuNePâ€™06 Conference. Multimedia Systems, 2008, 14, 133-133.	4.7	0

#	Article	IF	Citations
199	An Efficient Time Management Scheme for Large-Scale Distributed Simulation Based on JXTA Peer-to-Peer Network. , 2008, , .		4
200	A scalable adaptive time synchronization protocol for Large Scale Distributed Collaborative Simulation Environment. , 2008, , .		0
201	An Efficient Trust-Based Reputation Protocol for Wireless and Mobile Ad Hoc Networks: Proof and Correctness. , 2008, , .		6
202	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
203	A Secure Key Management Scheme for Wireless and Mobile Ad Hoc Networks Using Frequency-Based Approach: Proof and Correctness. , 2008, , .		1
204	Knowledge discovery in Wireless Sensor Networks for Chronological Patterns. , 2008, , .		2
205	Reconstructing the Plenoptic function from wireless multimedia sensor networks. , 2008, , .		2
206	Design of A QoS-Aware Service Composition and Management System in Peer-to-Peer Network Aided by DEVS. , 2008, , .		6
207	V-Square: An Accurate Time Synchronization Protocol for Wireless Video Sensor Networks. , 2008, , .		5
208	Wiley Series on Parallel and Distributed Computing. , 2008, , 496-497.		0
209	Performance Evaluation of an Anonymous Routing Protocol using Mobile Agents for Wireless Ad hoc Networks. , 2007, , .		12
210	ARMA: An Efficient Secure Ad Hoc Routing Protocol. , 2007, , .		8
211	Self-Diagnosing Wireless Mesh and Ad-Hoc Networks using an Adaptable Comparison-Based Approach. , 2007, , .		12
212	An Adaptive Fault Identification Protocol for an Emergency/Rescue-Based Wireless and Mobile Ad-Hoc Network. , 2007, , .		2
213	Localization in Time and Space for Sensor Networks. International Conference on Advanced Networking and Applications, 2007, , .	0.0	18
214	A Failure Detection Service for Large-Scale Dependable Wireless Ad-Hoc and Sensor Networks. , 2007, , .		13
215	A Voronoi Approach for Scalable and Robust DV-Hop Localization System for Sensor Networks. , 2007, , .		19
216	Towards an Integrated Solution for Node Localization and Data Routing in Sensor Networks. Proceedings - International Symposium on Computers and Communications, 2007, , .	0.0	12

#	Article	IF	Citations
217	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
218	An efficient hybrid multicast transport protocol for collaborative virtual environment with networked haptic. Multimedia Systems, 2007, 13, 283-296.	4.7	9
219	An optimal coverage-preserving scheme for wireless sensor networks based on local information exchange. Computer Communications, 2007, 30, 2708-2720.	5.1	51
220	A Local Information Exchange Based Coverage-Preserving Protocol For Wireless Sensor Networks. , 2006, , .		10
221	WSN03-1: A Dynamic Distributed Diagnosis Protocol for Wireless and Mobile Ad-Hoc Networks. IEEE Global Telecommunications Conference (GLOBECOM), 2006, , .	0.0	0
222	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
223	Media Synchronization and QoS Packet Scheduling Algorithms for Wireless Systems. Mobile Networks and Applications, 2005, 10, 233-249.	3.3	21
224	Simulation and Modeling of Wireless, Mobile, and AD HOC Networks. , 2005, , 373-409.		17
225	Performance Evaluation of Routing Protocols for Ad Hoc Wireless Networks. Mobile Networks and Applications, 2004, 9, 333-342.	3.3	187
226	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
227	Energy-aware data-centric routing in microsensor networks. , 2003, , .		95
228	A novel cloud-based traffic aware data routing protocol for smart connected vehicles. Computing (Vienna/New York), 0, , 1.	4.8	0