

Yue Cao

List of Publications by Year in descending order

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138
papers

5,294
citations

101543

36
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98798

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141
all docs

141
docs citations

141
times ranked

4946
citing authors

#	ARTICLE	IF	CITATIONS
1	Taxi-Cruising Recommendation via Real-Time Information and Historical Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7898-7910.	8.0	1
2	A Reservation-Based Vehicle-to-Vehicle Charging Service Under Constraint of Parking Duration. IEEE Systems Journal, 2023, 17, 176-187.	4.6	6
3	SA-YOLOv3: An Efficient and Accurate Object Detector Using Self-Attention Mechanism for Autonomous Driving. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 4099-4110.	8.0	26
4	Reservation Enhanced Autonomous Valet Parking Concerning Practicality Issues. IEEE Systems Journal, 2022, 16, 351-361.	4.6	5
5	Towards Secure IoT-Based Payments by Extension of Payment Card Industry Data Security Standard (PCI) Tj ETQq1 _{1.2} 0.784314 rgBT /Dv	1.2	4
6	An Integrated Framework on Autonomous-EV Charging and Autonomous Valet Parking (AVP) Management System. IEEE Transactions on Transportation Electrification, 2022, 8, 2836-2852.	7.8	14
7	RSS-Based Visible Light Positioning Using Nonlinear Optimization. IEEE Internet of Things Journal, 2022, 9, 14137-14150.	8.7	22
8	Towards user-friendly energy supplement service considering battery degradation cost. Energy, 2022, 249, 123716.	8.8	4
9	SAC-based Computation Offloading and Resource Allocation in Vehicular Edge Computing. , 2022, , .		2
10	Design and performance evaluation of V2X communication protocol based on Nakagami-m outage probability. Journal of Ambient Intelligence and Humanized Computing, 2021, 12, 9405-9421.	4.9	1
11	Toward Pre-Empted EV Charging Recommendation Through V2V-Based Reservation System. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2021, 51, 3026-3039.	9.3	63
12	MEC Intelligence Driven Electro-Mobility Management for Battery Switch Service. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4016-4029.	8.0	12
13	From smart parking towards autonomous valet parking: A survey, challenges and future Works. Journal of Network and Computer Applications, 2021, 175, 102935.	9.1	53
14	IEEE Access Special Section Editorial: Toward Service-Centric Internet of Things (IoT): From Modeling to Practice. IEEE Access, 2021, 9, 91259-91264.	4.2	0
15	An improved multiple manoeuvre management protocol for platoon mobility in vehicular ad hoc networks. IET Intelligent Transport Systems, 2021, 15, 886-901.	3.0	4
16	V2I based environment perception for autonomous vehicles at intersections. China Communications, 2021, 18, 1-12.	3.2	28
17	Reservation-based EV charging recommendation concerning charging urgency policy. Sustainable Cities and Society, 2021, 74, 103150.	10.4	11
18	FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. IEEE Transactions on Vehicular Technology, 2021, 70, 11796-11811.	6.3	8

#	ARTICLE	IF	CITATIONS
19	A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073.	4.2	182
20	Device Selection of Distributed Primal-Dual Algorithms Over Wireless Networks. , 2021, , .		1
21	Deadline-based V2V Charging Under Spatial Resource Constraints. , 2021, , .		5
22	Online Scheduling Unbiased Distributed Learning over Wireless Edge Networks. , 2021, , .		1
23	A blockchain based certificate revocation scheme for vehicular communication systems. Future Generation Computer Systems, 2020, 110, 892-903.	7.5	37
24	Resource Optimization Protocol Based on Multicommunity Model for Intermittently Connected Mobile Networks. IEEE Systems Journal, 2020, 14, 410-421.	4.6	4
25	Physical layer authentication under intelligent spoofing in wireless sensor networks. Signal Processing, 2020, 166, 107272.	3.7	14
26	On the Performance Gain of Harnessing Non-Line-of-Sight Propagation for Visible Light-Based Positioning. IEEE Transactions on Wireless Communications, 2020, 19, 4863-4878.	9.2	13
27	Mobile Charging as a Service: A Reservation-Based Approach. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1976-1988.	5.2	21
28	Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. IEEE Transactions on Vehicular Technology, 2020, 69, 6107-6118.	6.3	37
29	An Analytical Model for Information Centric Internet of Things Networks in Opportunistic Scenarios. IEEE Systems Journal, 2020, 14, 172-183.	4.6	1
30	xDBAuth: Blockchain Based Cross Domain Authentication and Authorization Framework for Internet of Things. IEEE Access, 2020, 8, 58800-58816.	4.2	57
31	Proximity as a Service for the Use Case of Access Enhancement Via Cellular Network-Assisted Mobile Device-to-Device. IEEE Access, 2020, 8, 31562-31573.	4.2	22
32	A Game-Based Computation Offloading Method in Vehicular Multiaccess Edge Computing Networks. IEEE Internet of Things Journal, 2020, 7, 4987-4996.	8.7	146
33	Towards holistic charging management for urban electric taxi via a hybrid deployment of battery charging and swap stations. Renewable Energy, 2020, 155, 703-716.	8.9	29
34	A detailed review of D2D cache in helper selection. World Wide Web, 2020, 23, 2407-2428.	4.0	7
35	Toward Sustainable and Economic Smart Mobility. , 2020, , .		60
36	Hybrid WGWO: whale grey wolf optimization-based novel energy-efficient clustering for EH-WSNs. Eurasip Journal on Wireless Communications and Networking, 2020, 2020, .	2.4	30

#	ARTICLE	IF	CITATIONS
37	Delay-Tolerant Network Routing. , 2020, , 317-321.		0
38	Detection Performance to Spatially Random UAV Using the Ground Vehicle. IEEE Transactions on Vehicular Technology, 2020, 69, 16320-16324.	6.3	11
39	EV Charging Recommendation Concerning Preemptive Service and Charging Urgency Policy. , 2020, , .		1
40	A Decentralized Deadline-Driven Electric Vehicle Charging Recommendation. IEEE Systems Journal, 2019, 13, 3410-3421.	4.6	36
41	Toward Anycasting-Driven Reservation System for Electric Vehicle Battery Switch Service. IEEE Systems Journal, 2019, 13, 906-917.	4.6	16
42	Guest Editorial Special Issue on Toward Securing Internet of Connected Vehicles (IoV) From Virtual Vehicle Hijacking. IEEE Internet of Things Journal, 2019, 6, 5866-5869.	8.7	2
43	Delimitated Anti Jammer Scheme for Internet of Vehicle: Machine Learning Based Security Approach. IEEE Access, 2019, 7, 113311-113323.	4.2	48
44	Enhancing Video QoE Over High-Speed Train Using Segment-Based Prefetching and Caching. IEEE MultiMedia, 2019, 26, 55-66.	1.7	15
45	Pseudonym Management Through Blockchain: Cost-Efficient Privacy Preservation on Intelligent Transportation Systems. IEEE Access, 2019, 7, 80390-80403.	4.2	39
46	Visible Light Positioning and Navigation Using Noise Measurement and Mitigation. IEEE Transactions on Vehicular Technology, 2019, 68, 11094-11106.	6.3	21
47	Exploiting Delay Budget Flexibility for Efficient Group Delivery in the Internet of Things. IEEE Internet of Things Journal, 2019, 6, 6593-6605.	8.7	3
48	AVPark: Reservation and Cost Optimization-Based Cyber-Physical System for Long-Range Autonomous Valet Parking (L-AVP). IEEE Access, 2019, 7, 114141-114153.	4.2	14
49	E ²/sup> MR: energyâ€efficient multipath routing protocol for underwater wireless sensor networks. IET Networks, 2019, 8, 321-328.	1.8	20
50	Survey on cooperatively V2X downloading for intelligent transport systems. IET Intelligent Transport Systems, 2019, 13, 13-21.	3.0	14
51	Blockchain based permission delegation and access control in Internet of Things (BACI). Computers and Security, 2019, 86, 318-334.	6.0	65
52	Beacon trust management system and fake data detection in vehicular adâ€hoc networks. IET Intelligent Transport Systems, 2019, 13, 780-788.	3.0	26
53	Robust and Efficient Energy Harvested-Aware Routing Protocol With Clustering Approach in Body Area Networks. IEEE Access, 2019, 7, 33906-33921.	4.2	44
54	Energy Efficient Secure Computation Offloading in NOMA-Based mMTC Networks for IoT. IEEE Internet of Things Journal, 2019, 6, 5674-5690.	8.7	81

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55	Research on Telecom Big Data Platform of LTE/5G Mobile Networks. , 2019, , .		83
56	Ambulance-to-Traffic Light Controller Communications for Rescue Mission Enhancement: A Thailand Use Case. IEEE Communications Magazine, 2019, 57, 91-97.	6.1	6
57	MEGEE: Mobile Edge computer Geared v2x for E-mobility Ecosystem. , 2019, , .		2
58	Exploiting Mobile Social Networks From Temporal Perspective: A Survey. IEEE Access, 2019, 7, 180818-180834.	4.2	1
59	Adaptive Network Segmentation and Channel Allocation in Large-Scale V2X Communication Networks. IEEE Transactions on Communications, 2019, 67, 405-416.	7.8	9
60	Opportunistic protocol based on social probability and resources efficiency for the intelligent and connected transportation system. Computer Networks, 2019, 149, 173-186.	5.1	9
61	Enabling bidirectional traffic mobility for ITS simulation in smart city environments. Future Generation Computer Systems, 2019, 92, 342-356.	7.5	12
62	A comprehensive survey on mobile data offloading in heterogeneous network. Wireless Networks, 2019, 25, 573-584.	3.0	29
63	An Improved Channel Estimation Technique for IEEE 802.11p Standard in Vehicular Communications. Sensors, 2019, 19, 98.	3.8	13
64	Delay-Tolerant Network Routing. , 2019, , 1-5.		0
65	A comparative study of scenario-driven multi-hop broadcast protocols for VANETs. Vehicular Communications, 2018, 12, 88-109.	4.0	56
66	Geometry-Based Localization for GPS Outage in Vehicular Cyber Physical Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3800-3812.	6.3	53
67	A Survey of Positioning Systems Using Visible LED Lights. IEEE Communications Surveys and Tutorials, 2018, 20, 1963-1988.	39.4	397
68	A Pervasive Integration Platform of Low-Cost MEMS Sensors and Wireless Signals for Indoor Localization. IEEE Internet of Things Journal, 2018, 5, 4616-4631.	8.7	52
69	Mobile Edge Computing for Big-Data-Enabled Electric Vehicle Charging. IEEE Communications Magazine, 2018, 56, 150-156.	6.1	120
70	A Geographic Multicopy Routing Scheme for DTNs With Heterogeneous Mobility. IEEE Systems Journal, 2018, 12, 790-801.	4.6	20
71	Time Efficient Data Collection With Mobile Sink and vMIMO Technique in Wireless Sensor Networks. IEEE Systems Journal, 2018, 12, 639-647.	4.6	34
72	An EV Charging Management System Concerning Driversâ€™ Trip Duration and Mobility Uncertainty. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 596-607.	9.3	121

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73	Multi-metric geographic routing for vehicular ad hoc networks. <i>Wireless Networks</i> , 2018, 24, 2763-2779.	3.0	30
74	Virtualization in Wireless Sensor Networks: Fault Tolerant Embedding for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018, 5, 571-580.	8.7	96
75	Toward Constructive Relay-Based Cooperative Routing in MANETs. <i>IEEE Systems Journal</i> , 2018, 12, 1743-1754.	4.6	17
76	A Social-Based DTN Routing in Cooperative Vehicular Sensor Networks. <i>International Journal of Cooperative Information Systems</i> , 2018, 27, 1741003.	0.8	5
77	Towards video streaming in IoT Environments: Vehicular communication perspective. <i>Computer Communications</i> , 2018, 118, 93-119.	5.1	76
78	Cloud Computing in VANETs: Architecture, Taxonomy, and Challenges. <i>IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India)</i> , 2018, 35, 523-547.	3.2	46
79	A novel cross-layer communication protocol for vehicular sensor networks. <i>International Journal of Communication Systems</i> , 2018, 31, e3406.	2.5	4
80	A Critical Analysis of Research Potential, Challenges, and Future Directives in Industrial Wireless Sensor Networks. <i>IEEE Communications Surveys and Tutorials</i> , 2018, 20, 39-95.	39.4	181
81	Eavesdrop with PoKeMon: Position free keystroke monitoring using acoustic data. <i>Future Generation Computer Systems</i> , 2018, 87, 704-711.	7.5	6
82	Direct CFD prediction of dynamic derivatives for a complete transport aircraft in the dry and heavy rain environment. <i>Aeronautical Journal</i> , 2018, 122, 1-20.	1.6	12
83	Guest Editorial: Special Issue on Toward Positioning, Navigation, and Location-Based Services (PNLBS) for Internet of Things. <i>IEEE Internet of Things Journal</i> , 2018, 5, 4613-4615.	8.7	5
84	SPATA: Strong Pseudonym-Based Authentication in Intelligent Transport System. <i>IEEE Access</i> , 2018, 6, 79114-79128.	4.2	8
85	Rescue Mission Enhancement through Ambulance-to- Vehicle Communications. , 2018, , .		3
86	Optimized Pricing & Scheduling Model for Long Range Autonomous Valet Parking. , 2018, , .		8
87	Energy-Efficient Task Scheduling for Data Centers with Unstable Renewable Energy: A Robust Optimization Approach. , 2018, , .		4
88	Intelligent Transportation Systems Enabled ICT Framework for Electric Vehicle Charging in Smart City. , 2018, , 311-330.		11
89	An Optimal Task Placement Strategy in Geo-Distributed Data Centers Involving Renewable Energy. <i>IEEE Access</i> , 2018, 6, 61948-61958.	4.2	13
90	Green Communication for Wireless Body Area Networks: Energy Aware Link Efficient Routing Approach. <i>Sensors</i> , 2018, 18, 3237.	3.8	67

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91	Toward Distributed Battery Switch Based Electro-Mobility Using Publish/Subscribe System. IEEE Transactions on Vehicular Technology, 2018, 67, 10204-10217.	6.3	21
92	Simultaneous Positioning and Orientating for Visible Light Communications: Algorithm Design and Performance Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 11790-11804.	6.3	43
93	On the Profit Maximization of Spectrum Investment under Uncertainties in Cognitive Radio Networks. , 2018, , .		3
94	Mobile Data Offloading Efficiency: A Stochastic Analytical View. , 2018, , .		8
95	Enabling green computing in cloud environments: Network virtualization approach toward 5G support. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3434.	3.9	15
96	A Trajectory-Driven Opportunistic Routing Protocol for VCPS. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2628-2642.	4.7	38
97	A taxonomy on misbehaving nodes in delay tolerant networks. Computers and Security, 2018, 77, 442-471.	6.0	30
98	Movement-Aware Relay Selection for Delay-Tolerant Information Dissemination in Wildlife Tracking and Monitoring Applications. IEEE Internet of Things Journal, 2018, 5, 3079-3090.	8.7	15
99	A survey of local/cooperative-based malicious information detection techniques in VANETs. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	46
100	Radius-based multipath courier node routing protocol for acoustic communications. IET Wireless Sensor Systems, 2018, 8, 183-189.	1.7	23
101	Reservation Based Electric Vehicle Charging Using Battery Switch. , 2018, , .		3
102	Towards autonomy: Cost-effective scheduling for long-range autonomous valet parking (LAVP). , 2018, , .		12
103	Routing Challenges and Associated Protocols in Acoustic Communication. , 2018, , 91-103.		1
104	An Electric Vehicle Charging Management Scheme Based on Publish/Subscribe Communication Framework. IEEE Systems Journal, 2017, 11, 1822-1835.	4.6	74
105	Toward Efficient Electric-Vehicle Charging Using VANET-Based Information Dissemination. IEEE Transactions on Vehicular Technology, 2017, 66, 2886-2901.	6.3	47
106	Location information verification using transferable belief model for geographic routing in vehicular ad hoc networks. IET Intelligent Transport Systems, 2017, 11, 53-60.	3.0	38
107	A Cost-Efficient Communication Framework for Battery-Switch-Based Electric Vehicle Charging. , 2017, 55, 162-169.		59
108	TraPy-MAC: Traffic Priority Aware Medium Access Control Protocol for Wireless Body Area Network. Journal of Medical Systems, 2017, 41, 93.	3.6	35

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109	Toward Efficient, Scalable, and Coordinated On-the-Move EV Charging Management. IEEE Wireless Communications, 2017, 24, 66-73.	9.0	43
110	A real-time Novel Distributed Cooperative Processing Strategy for Isomerism Networks in Internet of Things. , 2017, , .		0
111	Certificate revocation in vehicular ad hoc networks techniques and protocols: a survey. Science China Information Sciences, 2017, 60, 1.	4.3	18
112	A cooperation-driven ICN-based caching scheme for mobile content chunk delivery at RAN. , 2017, , .		3
113	Applying DTN routing for reservation-driven EV Charging management in smart cities. , 2017, , .		7
114	Blockchain-Based Dynamic Key Management for Heterogeneous Intelligent Transportation Systems. IEEE Internet of Things Journal, 2017, 4, 1832-1843.	8.7	436
115	Distributed Electric Vehicles Cooperative Scheduling Strategy. , 2017, , .		1
116	Highly-Efficient Bulk Data Transfer for Structured Dissemination in Wireless Embedded Network Systems. Journal of Systems Architecture, 2017, 72, 19-28.	4.3	10
117	Location error resilient geographical routing for vehicular ad hoc networks. IET Intelligent Transport Systems, 2017, 11, 450-458.	3.0	31
118	CAP: A ContAct based Proximity service via opportunistic device-to-device relay. , 2017, , .		1
119	Energy Generation Scheduling in Microgrids Involving Temporal-Correlated Renewable Energy. , 2017, , .		2
120	A Survey of Routing Issues and Associated Protocols in Underwater Wireless Sensor Networks. Journal of Sensors, 2017, 2017, 1-17.	1.1	75
121	Cross-Layer Energy Optimization for IoT Environments: Technical Advances and Opportunities. Energies, 2017, 10, 2073.	3.1	37
122	Vehicular-Publish/Subscribe (V-P/S) Communication Enabled On-the-Move EV Charging Management. , 2016, 54, 84-92.		23
123	T-MQM: Testbed based Multi-metric Quality Measurement of Sensor Deployment for Precision Agriculture-A Case Study. IEEE Sensors Journal, 2016, , 1-1.	4.7	23
124	Internet of Vehicles: Motivation, Layered Architecture, Network Model, Challenges, and Future Aspects. IEEE Access, 2016, 4, 5356-5373.	4.2	519
125	A Survey on Geographic Routing Protocols in Delay/Disruption Tolerant Networks. International Journal of Distributed Sensor Networks, 2016, 12, 3174670.	2.2	39
126	A Reliable and Efficient Encounter-Based Routing Framework for Delay/Disruption Tolerant Networks. IEEE Sensors Journal, 2015, 15, 4004-4018.	4.7	34

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127	Privacy-Enhanced Group Communication for Vehicular Delay Tolerant Networks. , 2015, , .		4
128	Geographic-Based Spray-and-Relay (GSaR): An Efficient Routing Scheme for DTNs. IEEE Transactions on Vehicular Technology, 2015, 64, 1548-1564.	6.3	67
129	A publish/subscribe communication framework for managing electric vehicle charging. , 2014, , .		17
130	Approach-and-Roam (AaR): A Geographic Routing Scheme for Delay/Disruption Tolerant Networks. IEEE Transactions on Vehicular Technology, 2014, 63, 266-281.	6.3	20
131	Aerodynamic study of aerofoil and wing in simulated rain environment via a two-way coupled Eulerian-Lagrangian approach. Aeronautical Journal, 2014, 118, 643-668.	1.6	11
132	Routing in Delay/Disruption Tolerant Networks: A Taxonomy, Survey and Challenges. IEEE Communications Surveys and Tutorials, 2013, 15, 654-677.	39.4	285
133	Converge-and-Diverge: A Geographic Routing for Delay/Disruption-Tolerant Networks Using a Delegation Replication Approach. IEEE Transactions on Vehicular Technology, 2013, 62, 2339-2343.	6.3	17
134	A Reliable and Efficient Geographic Routing Scheme for Delay/Disruption Tolerant Networks. IEEE Wireless Communications Letters, 2013, 2, 603-606.	5.0	23
135	Come-Stop-Leave (CSL): A geographic routing for Intermittently Connected Networks using delegation replication approach. , 2012, , .		2
136	Helicopter icing. Aeronautical Journal, 2010, 114, 83-90.	1.6	28
137	Improved Classification of SAR Sea Ice Imagery Based on Segmentation. , 2006, , .		4
138	Enabling Publish/Subscribe Communication for On-the-Move Electric Vehicle Charging Management. Advances in Information Security, Privacy, and Ethics Book Series, 0, , 350-379.	0.5	1