

Yue Cao

List of Publications by Year in descending order

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138
papers

5,294
citations

101543

36
h-index

98798

67
g-index

141
all docs

141
docs citations

141
times ranked

4946
citing authors

#	ARTICLE	IF	CITATIONS
1	Internet of Vehicles: Motivation, Layered Architecture, Network Model, Challenges, and Future Aspects. IEEE Access, 2016, 4, 5356-5373.	4.2	519
2	Blockchain-Based Dynamic Key Management for Heterogeneous Intelligent Transportation Systems. IEEE Internet of Things Journal, 2017, 4, 1832-1843.	8.7	436
3	A Survey of Positioning Systems Using Visible LED Lights. IEEE Communications Surveys and Tutorials, 2018, 20, 1963-1988.	39.4	397
4	Routing in Delay/Disruption Tolerant Networks: A Taxonomy, Survey and Challenges. IEEE Communications Surveys and Tutorials, 2013, 15, 654-677.	39.4	285
5	A Survey on Blockchain Technology: Evolution, Architecture and Security. IEEE Access, 2021, 9, 61048-61073.	4.2	182
6	A Critical Analysis of Research Potential, Challenges, and Future Directives in Industrial Wireless Sensor Networks. IEEE Communications Surveys and Tutorials, 2018, 20, 39-95.	39.4	181
7	A Game-Based Computation Offloading Method in Vehicular Multiaccess Edge Computing Networks. IEEE Internet of Things Journal, 2020, 7, 4987-4996.	8.7	146
8	An EV Charging Management System Concerning Drivers' Trip Duration and Mobility Uncertainty. IEEE Transactions on Systems, Man, and Cybernetics: Systems, 2018, 48, 596-607.	9.3	121
9	Mobile Edge Computing for Big-Data-Enabled Electric Vehicle Charging. IEEE Communications Magazine, 2018, 56, 150-156.	6.1	120
10	Virtualization in Wireless Sensor Networks: Fault Tolerant Embedding for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 571-580.	8.7	96
11	Research on Telecom Big Data Platform of LTE/5G Mobile Networks. , 2019, , .		83
12	Energy Efficient Secure Computation Offloading in NOMA-Based mMTC Networks for IoT. IEEE Internet of Things Journal, 2019, 6, 5674-5690.	8.7	81
13	Towards video streaming in IoT Environments: Vehicular communication perspective. Computer Communications, 2018, 118, 93-119.	5.1	76
14	A Survey of Routing Issues and Associated Protocols in Underwater Wireless Sensor Networks. Journal of Sensors, 2017, 2017, 1-17.	1.1	75
15	An Electric Vehicle Charging Management Scheme Based on Publish/Subscribe Communication Framework. IEEE Systems Journal, 2017, 11, 1822-1835.	4.6	74
16	Geographic-Based Spray-and-Relay (GSaR): An Efficient Routing Scheme for DTNs. IEEE Transactions on Vehicular Technology, 2015, 64, 1548-1564.	6.3	67
17	Green Communication for Wireless Body Area Networks: Energy Aware Link Efficient Routing Approach. Sensors, 2018, 18, 3237.	3.8	67
18	Blockchain based permission delegation and access control in Internet of Things (BACI). Computers and Security, 2019, 86, 318-334.	6.0	65

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19	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
20	Toward Sustainable and Economic Smart Mobility. , 2020, , .		60
21	A Cost-Efficient Communication Framework for Battery-Switch-Based Electric Vehicle Charging. , 2017, 55, 162-169.		59
22	xDBAuth: Blockchain Based Cross Domain Authentication and Authorization Framework for Internet of Things. IEEE Access, 2020, 8, 58800-58816.	4.2	57
23	A comparative study of scenario-driven multi-hop broadcast protocols for VANETs. Vehicular Communications, 2018, 12, 88-109.	4.0	56
24	Geometry-Based Localization for GPS Outage in Vehicular Cyber Physical Systems. IEEE Transactions on Vehicular Technology, 2018, 67, 3800-3812.	6.3	53
25	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
26	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
27	Delimitated Anti Jammer Scheme for Internet of Vehicle: Machine Learning Based Security Approach. IEEE Access, 2019, 7, 113311-113323.	4.2	48
28	Toward Efficient Electric-Vehicle Charging Using VANET-Based Information Dissemination. IEEE Transactions on Vehicular Technology, 2017, 66, 2886-2901.	6.3	47
29	Cloud Computing in VANETs: Architecture, Taxonomy, and Challenges. IETE Technical Review (Institution of Electronics and Telecommunication Engineers, India), 2018, 35, 523-547.	3.2	46
30	A survey of local/cooperative-based malicious information detection techniques in VANETs. Eurasip Journal on Wireless Communications and Networking, 2018, 2018, .	2.4	46
31	Robust and Efficient Energy Harvested-Aware Routing Protocol With Clustering Approach in Body Area Networks. IEEE Access, 2019, 7, 33906-33921.	4.2	44
32	Toward Efficient, Scalable, and Coordinated On-the-Move EV Charging Management. IEEE Wireless Communications, 2017, 24, 66-73.	9.0	43
33	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
34	A Survey on Geographic Routing Protocols in Delay/Disruption Tolerant Networks. International Journal of Distributed Sensor Networks, 2016, 12, 3174670.	2.2	39
35	Pseudonym Management Through Blockchain: Cost-Efficient Privacy Preservation on Intelligent Transportation Systems. IEEE Access, 2019, 7, 80390-80403.	4.2	39
36	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

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37	A Trajectory-Driven Opportunistic Routing Protocol for VCPS. IEEE Transactions on Aerospace and Electronic Systems, 2018, 54, 2628-2642.	4.7	38
38	Cross-Layer Energy Optimization for IoT Environments: Technical Advances and Opportunities. Energies, 2017, 10, 2073.	3.1	37
39	A blockchain based certificate revocation scheme for vehicular communication systems. Future Generation Computer Systems, 2020, 110, 892-903.	7.5	37
40	Towards Efficient Battery Swapping Service Operation Under Battery Heterogeneity. IEEE Transactions on Vehicular Technology, 2020, 69, 6107-6118.	6.3	37
41	A Decentralized Deadline-Driven Electric Vehicle Charging Recommendation. IEEE Systems Journal, 2019, 13, 3410-3421.	4.6	36
42	TraPy-MAC: Traffic Priority Aware Medium Access Control Protocol for Wireless Body Area Network. Journal of Medical Systems, 2017, 41, 93.	3.6	35
43	A Reliable and Efficient Encounter-Based Routing Framework for Delay/Disruption Tolerant Networks. IEEE Sensors Journal, 2015, 15, 4004-4018.	4.7	34
44	Time Efficient Data Collection With Mobile Sink and vMIMO Technique in Wireless Sensor Networks. IEEE Systems Journal, 2018, 12, 639-647.	4.6	34
45	Location error resilient geographical routing for vehicular ad hoc networks. IET Intelligent Transport Systems, 2017, 11, 450-458.	3.0	31
46	Multi-metric geographic routing for vehicular ad hoc networks. Wireless Networks, 2018, 24, 2763-2779.	3.0	30
47	A taxonomy on misbehaving nodes in delay tolerant networks. Computers and Security, 2018, 77, 442-471.	6.0	30
48	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
49	A comprehensive survey on mobile data offloading in heterogeneous network. Wireless Networks, 2019, 25, 573-584.	3.0	29
50	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
51	Helicopter icing. Aeronautical Journal, 2010, 114, 83-90.	1.6	28
52	V2I based environment perception for autonomous vehicles at intersections. China Communications, 2021, 18, 1-12.	3.2	28
53	Beacon trust management system and fake data detection in vehicular ad hoc networks. IET Intelligent Transport Systems, 2019, 13, 780-788.	3.0	26
54	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

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55	A Reliable and Efficient Geographic Routing Scheme for Delay/Disruption Tolerant Networks. IEEE Wireless Communications Letters, 2013, 2, 603-606.	5.0	23
56	Vehicular-Publish/Subscribe (V-P/S) Communication Enabled On-the-Move EV Charging Management. , 2016, 54, 84-92.		23
57	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
58	Radius-based multipath courier node routing protocol for acoustic communications. IET Wireless Sensor Systems, 2018, 8, 183-189.	1.7	23
59	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
60	RSS-Based Visible Light Positioning Using Nonlinear Optimization. IEEE Internet of Things Journal, 2022, 9, 14137-14150.	8.7	22
61	Toward Distributed Battery Switch Based Electro-Mobility Using Publish/Subscribe System. IEEE Transactions on Vehicular Technology, 2018, 67, 10204-10217.	6.3	21
62	Visible Light Positioning and Navigation Using Noise Measurement and Mitigation. IEEE Transactions on Vehicular Technology, 2019, 68, 11094-11106.	6.3	21
63	Mobile Charging as a Service: A Reservation-Based Approach. IEEE Transactions on Automation Science and Engineering, 2020, 17, 1976-1988.	5.2	21
64	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
65	A Geographic Multicopy Routing Scheme for DTNs With Heterogeneous Mobility. IEEE Systems Journal, 2018, 12, 790-801.	4.6	20
66	E ² MR: energy-efficient multipath routing protocol for underwater wireless sensor networks. IET Networks, 2019, 8, 321-328.	1.8	20
67	Certificate revocation in vehicular ad hoc networks techniques and protocols: a survey. Science China Information Sciences, 2017, 60, 1.	4.3	18
68	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
69	A publish/subscribe communication framework for managing electric vehicle charging. , 2014, , .		17
70	Toward Constructive Relay-Based Cooperative Routing in MANETs. IEEE Systems Journal, 2018, 12, 1743-1754.	4.6	17
71	Toward Anycasting-Driven Reservation System for Electric Vehicle Battery Switch Service. IEEE Systems Journal, 2019, 13, 906-917.	4.6	16
72	Enabling green computing in cloud environments: Network virtualization approach toward 5G support. Transactions on Emerging Telecommunications Technologies, 2018, 29, e3434.	3.9	15

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73	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
74	Enhancing Video QoE Over High-Speed Train Using Segment-Based Prefetching and Caching. IEEE MultiMedia, 2019, 26, 55-66.	1.7	15
75	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
76	Survey on cooperatively V2X downloading for intelligent transport systems. IET Intelligent Transport Systems, 2019, 13, 13-21.	3.0	14
77	Physical layer authentication under intelligent spoofing in wireless sensor networks. Signal Processing, 2020, 166, 107272.	3.7	14
78	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
79	An Optimal Task Placement Strategy in Geo-Distributed Data Centers Involving Renewable Energy. IEEE Access, 2018, 6, 61948-61958.	4.2	13
80	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
81	An Improved Channel Estimation Technique for IEEE 802.11p Standard in Vehicular Communications. Sensors, 2019, 19, 98.	3.8	13
82	Direct CFD prediction of dynamic derivatives for a complete transport aircraft in the dry and heavy rain environment. Aeronautical Journal, 2018, 122, 1-20.	1.6	12
83	Towards autonomy: Cost-effective scheduling for long-range autonomous valet parking (LAVP). , 2018, , ,		12
84	Enabling bidirectional traffic mobility for ITS simulation in smart city environments. Future Generation Computer Systems, 2019, 92, 342-356.	7.5	12
85	MEC Intelligence Driven Electro-Mobility Management for Battery Switch Service. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 4016-4029.	8.0	12
86	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
87	Intelligent Transportation Systems Enabled ICT Framework for Electric Vehicle Charging in Smart City. , 2018, , 311-330.		11
88	Reservation-based EV charging recommendation concerning charging urgency policy. Sustainable Cities and Society, 2021, 74, 103150.	10.4	11
89	Detection Performance to Spatially Random UAV Using the Ground Vehicle. IEEE Transactions on Vehicular Technology, 2020, 69, 16320-16324.	6.3	11
90	Highly-Efficient Bulk Data Transfer for Structured Dissemination in Wireless Embedded Network Systems. Journal of Systems Architecture, 2017, 72, 19-28.	4.3	10

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91	Adaptive Network Segmentation and Channel Allocation in Large-Scale V2X Communication Networks. IEEE Transactions on Communications, 2019, 67, 405-416.	7.8	9
92	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
93	SPATA: Strong Pseudonym-Based Authentication in Intelligent Transport System. IEEE Access, 2018, 6, 79114-79128.	4.2	8
94	Optimized Pricing & Scheduling Model for Long Range Autonomous Valet Parking. , 2018, , .		8
95	Mobile Data Offloading Efficiency: A Stochastic Analytical View. , 2018, , .		8
96	FusionVLP: The Fusion of Photodiode and Camera for Visible Light Positioning. IEEE Transactions on Vehicular Technology, 2021, 70, 11796-11811.	6.3	8
97	Applying DTN routing for reservation-driven EV Charging management in smart cities. , 2017, , .		7
98	A detailed review of D2D cache in helper selection. World Wide Web, 2020, 23, 2407-2428.	4.0	7
99	Eavesdrop with PoKeMon: Position free keystroke monitoring using acoustic data. Future Generation Computer Systems, 2018, 87, 704-711.	7.5	6
100	Ambulance-to-Traffic Light Controller Communications for Rescue Mission Enhancement: A Thailand Use Case. IEEE Communications Magazine, 2019, 57, 91-97.	6.1	6
101	A Reservation-Based Vehicle-to-Vehicle Charging Service Under Constraint of Parking Duration. IEEE Systems Journal, 2023, 17, 176-187.	4.6	6
102	A Social-Based DTN Routing in Cooperative Vehicular Sensor Networks. International Journal of Cooperative Information Systems, 2018, 27, 1741003.	0.8	5
103	Guest Editorial: Special Issue on Toward Positioning, Navigation, and Location-Based Services (PNLBS) for Internet of Things. IEEE Internet of Things Journal, 2018, 5, 4613-4615.	8.7	5
104	Reservation Enhanced Autonomous Valet Parking Concerning Practicality Issues. IEEE Systems Journal, 2022, 16, 351-361.	4.6	5
105	Deadline-based V2V Charging Under Spatial Resource Constraints. , 2021, , .		5
106	Improved Classification of SAR Sea Ice Imagery Based on Segmentation. , 2006, , .		4
107	Privacy-Enhanced Group Communication for Vehicular Delay Tolerant Networks. , 2015, , .		4
108	A novel cross-layer communication protocol for vehicular sensor networks. International Journal of Communication Systems, 2018, 31, e3406.	2.5	4

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109	Energy-Efficient Task Scheduling for Data Centers with Unstable Renewable Energy: A Robust Optimization Approach. , 2018, , .		4
110	Resource Optimization Protocol Based on Multicommunity Model for Intermittently Connected Mobile Networks. IEEE Systems Journal, 2020, 14, 410-421.	4.6	4
111	An improved multiple manoeuver management protocol for platoon mobility in vehicular ad hoc networks. IET Intelligent Transport Systems, 2021, 15, 886-901.	3.0	4
112	Towards Secure IoT-Based Payments by Extension of Payment Card Industry Data Security Standard (PCI) Tj ETQq0,0,0 rgBT /Overlock 1	1.2	4
113	Towards user-friendly energy supplement service considering battery degradation cost. Energy, 2022, 249, 123716.	8.8	4
114	A cooperation-driven ICN-based caching scheme for mobile content chunk delivery at RAN. , 2017, , .		3
115	Rescue Mission Enhancement through Ambulance-to- Vehicle Communications. , 2018, , .		3
116	On the Profit Maximization of Spectrum Investment under Uncertainties in Cognitive Radio Networks. , 2018, , .		3
117	Reservation Based Electric Vehicle Charging Using Battery Switch. , 2018, , .		3
118	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
119	Come-Stop-Leave (CSL): A geographic routing for Intermittently Connected Networks using delegation replication approach. , 2012, , .		2
120	Energy Generation Scheduling in Microgrids Involving Temporal-Correlated Renewable Energy. , 2017, , .		2
121	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
122	MEGEE: Mobile Edge computer Geared v2x for E-mobility Ecosystem. , 2019, , .		2
123	SAC-based Computation Offloading and Resource Allocation in Vehicular Edge Computing. , 2022, , .		2
124	Distributed Electric Vehicles Cooperative Scheduling Strategy. , 2017, , .		1
125	CAP: A ContAct based Proximity service via opportunistic device-to-device relay. , 2017, , .		1
126	Exploiting Mobile Social Networks From Temporal Perspective: A Survey. IEEE Access, 2019, 7, 180818-180834.	4.2	1

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127	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
128	An Analytical Model for Information Centric Internet of Things Networks in Opportunistic Scenarios. IEEE Systems Journal, 2020, 14, 172-183.	4.6	1
129	Taxi-Cruising Recommendation via Real-Time Information and Historical Trajectory Data. IEEE Transactions on Intelligent Transportation Systems, 2023, 24, 7898-7910.	8.0	1
130	Routing Challenges and Associated Protocols in Acoustic Communication. , 2018, , 91-103.		1
131	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
132	EV Charging Recommendation Concerning Preemptive Service and Charging Urgency Policy. , 2020, , .		1
133	Device Selection of Distributed Primal-Dual Algorithms Over Wireless Networks. , 2021, , .		1
134	Online Scheduling Unbiased Distributed Learning over Wireless Edge Networks. , 2021, , .		1
135	A real-time Novel Distributed Cooperative Processing Strategy for Isomerism Networks in Internet of Things. , 2017, , .		0
136	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
137	Delay-Tolerant Network Routing. , 2019, , 1-5.		0
138	Delay-Tolerant Network Routing. , 2020, , 317-321.		0