Changle Li

List of Publications by Year
in descending order

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64 papers	1,796 citations	257450 24 h-index	276875 41 g-index
64 all docs	64 docs citations	64 times ranked	1606 citing authors

#	Article	IF	Citations
1	Resource Scheduling in Edge Computing: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2131-2165.	39.4	176
2	A Survey on Routing Protocols for Large-Scale Wireless Sensor Networks. Sensors, 2011, 11, 3498-3526.	3.8	168
3	Collaborative Data Scheduling for Vehicular Edge Computing via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 9637-9650.	8.7	84
4	A Decision-Making Strategy for Vehicle Autonomous Braking in Emergency via Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 5876-5888.	6.3	75
5	Vehicular Blockchain-Based Collective Learning for Connected and Autonomous Vehicles. IEEE Wireless Communications, 2020, 27, 197-203.	9.0	72
6	A Topological Approach to Secure Message Dissemination in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 135-148.	8.0	70
7	A Mobility-Aware Vehicular Caching Scheme in Content Centric Networks: Model and Optimization. IEEE Transactions on Vehicular Technology, 2019, 68, 3100-3112.	6.3	67
8	Vehicle Position Correction: A Vehicular Blockchain Networks-Based GPS Error Sharing Framework. IEEE Transactions on Intelligent Transportation Systems, 2021, 22, 898-912.	8.0	67
9	Development Trends of Mobile Communication Systems for Railways. IEEE Communications Surveys and Tutorials, 2018, 20, 3131-3141.	39.4	64
10	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	8.0	56
11	Minimizing the Delay and Cost of Computation Offloading for Vehicular Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 2897-2909.	4.6	48
12	Congestion Propagation Based Bottleneck Identification in Urban Road Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4827-4841.	6.3	44
13	Self-Learning Based Computation Offloading for Internet of Vehicles: Model and Algorithm. IEEE Transactions on Wireless Communications, 2021, 20, 5913-5925.	9.2	43
14	A Novel Medium Access Control Protocol with Low Delay and Traffic Adaptivity for Wireless Body Area Networks. Journal of Medical Systems, 2011, 35, 1265-1275.	3.6	42
15	Bee-Sensor-C: An Energy-Efficient and Scalable Multipath Routing Protocol for Wireless Sensor Networks. International Journal of Distributed Sensor Networks, 2015, 11, 976127.	2.2	41
16	Secure and Personalized Edge Computing Services in 6G Heterogeneous Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 5920-5931.	8.7	41
17	Infrastructure-cooperative algorithm for effective intersection collision avoidance. Transportation Research Part C: Emerging Technologies, 2018, 89, 188-204.	7.6	39
18	Performance Analysis of IEEE 802.15.6-Based Coexisting Mobile WBANs With Prioritized Traffic and Dynamic Interference. IEEE Transactions on Wireless Communications, 2018, 17, 5637-5652.	9.2	38

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19	A Survey of Driving Safety With Sensing, Vehicular Communications, and Artificial Intelligence-Based Collision Avoidance. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 6142-6163.	8.0	35
20	Reservation Service: Trusted Relay Selection for Edge Computing Services in Vehicular Networks. IEEE Journal on Selected Areas in Communications, 2020, 38, 2734-2746.	14.0	31
21	A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. IEEE Transactions on Vehicular Technology, 2020, 69, 16044-16056.	6.3	30
22	On Stochastic Analysis of Greedy Routing in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3353-3366.	8.0	28
23	Vehicle-Mounted Base Station for Connected and Autonomous Vehicles: Opportunities and Challenges. IEEE Wireless Communications, 2019, 26, 30-36.	9.0	26
24	Charge Controller With Decoupled and Self-Compensating Configurations for Linear Operation of Piezoelectric Actuators in a Wide Bandwidth. IEEE Transactions on Industrial Electronics, 2019, 66, 5392-5402.	7.9	26
25	A Nonlinear Charge Controller With Tunable Precision for Highly Linear Operation of Piezoelectric Stack Actuators. IEEE Transactions on Industrial Electronics, 2017, 64, 8618-8625.	7.9	24
26	An Autonomous Lane-Changing System With Knowledge Accumulation and Transfer Assisted by Vehicular Blockchain. IEEE Internet of Things Journal, 2020, 7, 11123-11136.	8.7	24
27	MagMonitor: Vehicle Speed Estimation and Vehicle Classification Through A Magnetic Sensor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1311-1322.	8.0	23
28	EdgeVCD: Intelligent Algorithm-Inspired Content Distribution in Vehicular Edge Computing Network. IEEE Internet of Things Journal, 2020, 7, 5562-5579.	8.7	23
29	MC-MAC: a multi-channel based MAC scheme for interference mitigation in WBANs. Wireless Networks, 2018, 24, 719-733.	3.0	21
30	Hybrid Unified-Slot Access Protocol for Wireless Body Area Networks. International Journal of Wireless Information Networks, 2010, 17, 150-161.	2.7	17
31	A Hybrid Lifetime Extended Directional Approach for WBANs. Sensors, 2015, 15, 28005-28030.	3.8	17
32	Graded Warning for Rear-End Collision: An Artificial Intelligence-Aided Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 565-579.	8.0	17
33	Building Transmission Backbone for Highway Vehicular Networks: Framework and Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 8709-8722.	6.3	16
34	What is the Root Cause of Congestion in Urban Traffic Networks: Road Infrastructure or Signal Control?. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8662-8679.	8.0	16
35	Towards Enhanced Recovery and System Stability: Analytical Solutions for Dynamic Incident Effects in Road Networks. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 483-498.	8.0	15
36	On spectrum allocation in cognitive radio networks: a double auction-based methodology. Wireless Networks, 2017, 23, 453-466.	3.0	14

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37	An incentive-based optimizing strategy of service frequency for an urban rail transit system. Transportation Research, Part E: Logistics and Transportation Review, 2018, 118, 106-122.	7.4	14
38	Optimal Utility of Vehicles in LTE-V Scenario: An Immune Clone-Based Spectrum Allocation Approach. IEEE Transactions on Intelligent Transportation Systems, 2019, 20, 1942-1953.	8.0	14
39	Hybrid Autonomous Driving Guidance Strategy Combining Deep Reinforcement Learning and Expert System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 11273-11286.	8.0	12
40	The Internet of Things for Smart Roads: A Road Map From Present to Future Road Infrastructure. IEEE Intelligent Transportation Systems Magazine, 2022, 14, 66-76.	3.8	11
41	A Self-Adaptive and Link-Aware Beaconless Forwarding Protocol for VANETs. International Journal of Distributed Sensor Networks, 2015, 11, 757269.	2.2	9
42	Collaborative Driving: Learning-Aided Joint Topology Formulation and Beamforming. IEEE Vehicular Technology Magazine, 2022, 17, 103-111.	3.4	9
43	Hello scheme for vehicular ad hoc networks: analysis and design. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	8
44	A hierarchical approach for resource allocation in hybrid cloud environments. Wireless Networks, 2018, 24, 1491-1508.	3.0	8
45	Towards Hit-Interruption Tradeoff in Vehicular Edge Caching: Algorithm and Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5198-5210.	8.0	8
46	Blockchain-Enabled Conditional Decentralized Vehicular Crowdsensing System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18937-18950.	8.0	8
47	A novel warning/avoidance algorithm for intersection collision based on Dynamic Bayesian Networks. , 2016, , .		7
48	Engineering A Large-Scale Traffic Signal Control: A Multi-Agent Reinforcement Learning Approach. , 2021, , .		7
49	Network Capacity Maximization Using Route Choice and Signal Control With Multiple OD Pairs. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 1595-1611.	8.0	6
50	A novel self-adaptive transmission scheme over an IEEE 802.11 WLAN for supporting multi-service. Wireless Communications and Mobile Computing, 2006, 6, 467-474.	1.2	5
51	A Reliable Beaconless Routing Protocol for VANETs. , 2014, , .		5
52	Energy-efficient MAC protocols for WBANs: Opportunities and challenges. Telecommunication Systems, 2015, 58, 109-110.	2.5	4
53	Roadside Sensor Based Vehicle Counting Incomplex Traffic Environment. , 2019, , .		4
54	Blind Estimation of Underdetermined Mixing Matrix Based on Density Measurement. Wireless Personal Communications, 2019, 104, 1283-1300.	2.7	4

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55	On Dynamic Video Source Decision in VANETs: An On-Demand Clustering Approach. International Journal of Distributed Sensor Networks, 2015, 11, 436810.	2.2	4
56	Prediction Based Vehicular Caching: Where and What to Cache?. Mobile Networks and Applications, 2020, 25, 760-771.	3.3	3
57	Resource Allocation for Platoon Oriented Vehicular Communications: A Neural Network Approach. , 2021, , .		3
58	On Mobility-Aware and Channel-Randomness-Adaptive Optimal Neighbor Discovery for Vehicular Networks. IEEE Internet of Things Journal, 2021, 8, 6828-6839.	8.7	2
59	Targeted Dissemination of Emergency Information: Joint Traffic and Communication Optimization. , 2021, , .		1
60	Three-Side Dynamic Task Offloading for Smart Roads Enabled Vehicular Edge Computing. , 2020, , .		1
61	Multi - Task Assignment Strategy for Vehicular Crowdsensing with Clustering Characteristic. , 2021, , .		1
62	Reactive Task Adaptation of a Dynamic System With External Disturbances Based on Invariance Control and Movement Primitives. IEEE Transactions on Cognitive and Developmental Systems, 2022, 14, 1082-1091.	3.8	0
63	Root Cause Identification for Road Network Congestion Using the Gradient Boosting Decision Trees. , 2020, , .		0
64	L-VDA: A Lightweight Deep Learning Algorithm for Vehicle Detection. , 2021, , .		0