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	MagMonitor: Vehicle Speed Estimation and Vehicle Classification Through A Magnetic Sensor. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 1311-1322.	8.0	23
2	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
3	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
4	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
5	Towards Hit-Interruption Tradeoff in Vehicular Edge Caching: Algorithm and Analysis. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 5198-5210.	8.0	8
6	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
7	Minimizing the Delay and Cost of Computation Offloading for Vehicular Edge Computing. IEEE Transactions on Services Computing, 2022, 15, 2897-2909.	4.6	48
8	Secure and Personalized Edge Computing Services in 6G Heterogeneous Vehicular Networks. IEEE Internet of Things Journal, 2022, 9, 5920-5931.	8.7	41
9	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
10	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
11	Collaborative Driving: Learning-Aided Joint Topology Formulation and Beamforming. IEEE Vehicular Technology Magazine, 2022, 17, 103-111.	3.4	9
12	Blockchain-Enabled Conditional Decentralized Vehicular Crowdsensing System. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 18937-18950.	8.0	8
13	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
14	Resource Scheduling in Edge Computing: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2131-2165.	39.4	176
15	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
16	Engineering A Large-Scale Traffic Signal Control: A Multi-Agent Reinforcement Learning Approach. , 2021, , .		7
17	Targeted Dissemination of Emergency Information: Joint Traffic and Communication Optimization. , 2021, , .		1
18	Resource Allocation for Platoon Oriented Vehicular Communications: A Neural Network Approach. , 2021, , .		3

#	Article	IF	Citations
19	Self-Learning Based Computation Offloading for Internet of Vehicles: Model and Algorithm. IEEE Transactions on Wireless Communications, 2021, 20, 5913-5925.	9.2	43
20	L-VDA: A Lightweight Deep Learning Algorithm for Vehicle Detection. , 2021, , .		0
21	Multi - Task Assignment Strategy for Vehicular Crowdsensing with Clustering Characteristic. , 2021, , .		1
22	Graded Warning for Rear-End Collision: An Artificial Intelligence-Aided Algorithm. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 565-579.	8.0	17
23	A Topological Approach to Secure Message Dissemination in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2020, 21, 135-148.	8.0	70
24	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
25	Prediction Based Vehicular Caching: Where and What to Cache?. Mobile Networks and Applications, 2020, 25, 760-771.	3.3	3
26	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
27	A Game Theoretic Scheme for Collaborative Vehicular Task Offloading in 5G HetNets. IEEE Transactions on Vehicular Technology, 2020, 69, 16044-16056.	6.3	30
28	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
29	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
30	EdgeVCD: Intelligent Algorithm-Inspired Content Distribution in Vehicular Edge Computing Network. IEEE Internet of Things Journal, 2020, 7, 5562-5579.	8.7	23
31	Collaborative Data Scheduling for Vehicular Edge Computing via Deep Reinforcement Learning. IEEE Internet of Things Journal, 2020, 7, 9637-9650.	8.7	84
32	Vehicular Blockchain-Based Collective Learning for Connected and Autonomous Vehicles. IEEE Wireless Communications, 2020, 27, 197-203.	9.0	72
33	Congestion Propagation Based Bottleneck Identification in Urban Road Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 4827-4841.	6.3	44
34	Root Cause Identification for Road Network Congestion Using the Gradient Boosting Decision Trees. , 2020, , .		0
35	Three-Side Dynamic Task Offloading for Smart Roads Enabled Vehicular Edge Computing. , 2020, , .		1
36	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

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37	Vehicle-Mounted Base Station for Connected and Autonomous Vehicles: Opportunities and Challenges. IEEE Wireless Communications, 2019, 26, 30-36.	9.0	26
38	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
39	Roadside Sensor Based Vehicle Counting Incomplex Traffic Environment. , 2019, , .		4
40	Blind Estimation of Underdetermined Mixing Matrix Based on Density Measurement. Wireless Personal Communications, 2019, 104, 1283-1300.	2.7	4
41	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
42	Infrastructure-cooperative algorithm for effective intersection collision avoidance. Transportation Research Part C: Emerging Technologies, 2018, 89, 188-204.	7.6	39
43	MC-MAC: a multi-channel based MAC scheme for interference mitigation in WBANs. Wireless Networks, 2018, 24, 719-733.	3.0	21
44	A hierarchical approach for resource allocation in hybrid cloud environments. Wireless Networks, 2018, 24, 1491-1508.	3.0	8
45	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
46	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
47	Development Trends of Mobile Communication Systems for Railways. IEEE Communications Surveys and Tutorials, 2018, 20, 3131-3141.	39.4	64
48	Building Transmission Backbone for Highway Vehicular Networks: Framework and Analysis. IEEE Transactions on Vehicular Technology, 2018, 67, 8709-8722.	6.3	16
49	On spectrum allocation in cognitive radio networks: a double auction-based methodology. Wireless Networks, 2017, 23, 453-466.	3.0	14
50	Throughput of Infrastructure-Based Cooperative Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2964-2979.	8.0	56
51	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
52	A novel warning/avoidance algorithm for intersection collision based on Dynamic Bayesian Networks. , 2016, , .		7
53	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
54	A Hybrid Lifetime Extended Directional Approach for WBANs. Sensors, 2015, 15, 28005-28030.	3.8	17

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55	On Stochastic Analysis of Greedy Routing in Vehicular Networks. IEEE Transactions on Intelligent Transportation Systems, 2015, 16, 3353-3366.	8.0	28
56	Energy-efficient MAC protocols for WBANs: Opportunities and challenges. Telecommunication Systems, 2015, 58, 109-110.	2.5	4
57	A Self-Adaptive and Link-Aware Beaconless Forwarding Protocol for VANETs. International Journal of Distributed Sensor Networks, 2015, 11, 757269.	2.2	9
58	On Dynamic Video Source Decision in VANETs: An On-Demand Clustering Approach. International Journal of Distributed Sensor Networks, 2015, 11, 436810.	2.2	4
59	A Reliable Beaconless Routing Protocol for VANETs. , 2014, , .		5
60	Hello scheme for vehicular ad hoc networks: analysis and design. Eurasip Journal on Wireless Communications and Networking, 2013, 2013, .	2.4	8
61	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
62	A Survey on Routing Protocols for Large-Scale Wireless Sensor Networks. Sensors, 2011, 11, 3498-3526.	3.8	168
63	Hybrid Unified-Slot Access Protocol for Wireless Body Area Networks. International Journal of Wireless Information Networks, 2010, 17, 150-161.	2.7	17
64	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