Jian Wang

List of Publications by Year in descending order

48 papers	920 citations	686830 13 h-index	454577 30 g-index
48 all docs	48 docs citations	48 times ranked	882 citing authors

#	Article	IF	Citations
1	Optimization for computational offloading in multi-access edge computing: A deep reinforcement learning scheme. Computer Networks, 2022, 204, 108690.	3.2	15
2	A Hardware-in-the-Loop V2X Simulation Framework: CarTest. Sensors, 2022, 22, 5019.	2.1	4
3	Applications of Game Theory in Vehicular Networks: A Survey. IEEE Communications Surveys and Tutorials, 2021, 23, 2660-2710.	24.8	22
4	RPO-MAC: reciprocal Partially observable MAC protocol based on application-value-awareness in VANETs. Wireless Networks, 2021, 27, 2509-2528.	2.0	0
5	Efficient and Safe Strategies for Intersection Management: A Review. Sensors, 2021, 21, 3096.	2.1	12
6	Cross-layer tradeoff of QoS and security in Vehicular ad hoc Networks: A game theoretical approach. Computer Networks, 2021, 192, 108031.	3.2	8
7	C-V2X Large-scale Test Network Transmission Performance Data Analysis Method. , 2021, , .		2
8	Parallel End-to-End Autonomous Mining: An IoT-Oriented Approach. IEEE Internet of Things Journal, 2020, 7, 1011-1023.	5.5	34
9	Physical-layer authentication based on adaptive Kalman filter for V2X communication. Vehicular Communications, 2020, 26, 100281.	2.7	9
10	Physical Layer Authentication Based on Nonlinear Kalman Filter for V2X Communication. IEEE Access, 2020, 8, 163746-163757.	2.6	10
11	Context-Aware Quantification for VANET Security: A Markov Chain-Based Scheme. IEEE Access, 2020, 8, 173618-173626.	2.6	12
12	SCMAC: A Slotted-Contention-Based Media Access Control Protocol for Cooperative Safety in VANETs. IEEE Internet of Things Journal, 2020, 7, 3812-3821.	5.5	17
13	Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. IEEE Transactions on Vehicular Technology, 2020, 69, 7916-7929.	3.9	99
14	Test Method and Risk Factor Definition of Forward Collision Warning System. IEEE Access, 2020, 8, 47730-47740.	2.6	3
15	Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. IEEE Transactions on Vehicular Technology, 2020, 69, 16067-16081.	3.9	87
16	An Efficient Broadcast Scheme for Safety-Related Services in Distributed TDMA-Based VANETs. IEEE Communications Letters, 2019, 23, 1432-1436.	2.5	21
17	TCGMAC: A TDMAâ€based MAC protocol with collision alleviation based on slot declaration and game theory in VANETS. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3730.	2.6	11
18	ASTSMAC: Application Suitable Time-Slot Sharing MAC Protocol for Vehicular Ad Hoc Networks. IEEE Access, 2019, 7, 118077-118087.	2.6	8

#	Article	IF	Citations
19	SHIYF: A Secured and High-Integrity YARN Framework. Electronics (Switzerland), 2019, 8, 548.	1.8	0
20	A vehicle's weightâ€based prioritized reciprocity MAC. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3654.	2.6	4
21	A Novel Method to Enable the Awareness Ability of Non-V2V-Equipped Vehicles in Vehicular Networks. Sensors, 2019, 19, 2187.	2.1	0
22	Negotiation-Free Encryption for Securing Vehicular Unicasting Communication. Applied Sciences (Switzerland), 2019, 9, 1121.	1.3	5
23	Parallel testing of vehicle intelligence via virtual-real interaction. Science Robotics, 2019, 4, .	9.9	150
24	Optimization and non-cooperative game of anonymity updating in vehicular networks. Ad Hoc Networks, 2019, 88, 81-97.	3.4	5
25	A Survey of Vehicle to Everything (V2X) Testing. Sensors, 2019, 19, 334.	2.1	167
26	A reliable adaptive forwarding approach in named data networking. Future Generation Computer Systems, 2019, 96, 538-551.	4.9	30
27	Non-Cooperative Game of Throughput and Hash Length for Adaptive Merkle Tree in Mobile Wireless Networks. IEEE Transactions on Vehicular Technology, 2019, 68, 4625-4650.	3.9	12
28	Joint Optimization of Data Offloading and Resource Allocation With Renewable Energy Aware for IoT Devices: A Deep Reinforcement Learning Approach. IEEE Access, 2019, 7, 179349-179363.	2.6	44
29	Computational habitual privacy. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3509.	2.6	1
30	Distance-Driven Consensus Quantification. IEEE Transactions on Intelligent Transportation Systems, 2018, 19, 1471-1484.	4.7	1
31	Spatio-Temporal Location Privacy Quantification for Vehicular Networks. IEEE Access, 2018, 6, 62963-62974.	2.6	1
32	Application-value-awareness cross-layer MAC cooperative game for vehicular networks. Vehicular Communications, 2018, 13, 27-37.	2.7	9
33	Partially observed crossâ€layer optimization for vehicular communications. International Journal of Communication Systems, 2018, 31, e3398.	1.6	2
34	ADMB: Applicationâ€driven multihop broadcast for vehicular networks. International Journal of Communication Systems, 2017, 30, e3306.	1.6	0
35	Non-cooperative game of effective channel capacity and security strength in vehicular networks. Physical Communication, 2017, 25, 214-227.	1.2	8
36	Theoretical Proving of Optimal Communication Radius Against Traffic Congestion in Simplified. Lecture Notes in Computer Science, 2017, , 213-224.	1.0	0

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37	The Joint Adaptive Kalman Filter (JAKF) for Vehicle Motion State Estimation. Sensors, 2016, 16, 1103.	2.1	11
38	Performance analysis of prioritized broadcast service in WAVE/IEEE 802.11p. Computer Networks, 2016, 107, 233-245.	3.2	9
39	Human dynamics based driver model for autonomous car. IET Intelligent Transport Systems, 2016, 10, 545-554.	1.7	23
40	Computational Security for Context-Awareness in Vehicular Ad-Hoc Networks. IEEE Access, 2016, 4, 5268-5279.	2.6	11
41	Modeling and performance analysis of dynamic spectrum sharing between DSRC and Wiâ€Fi systems. Wireless Communications and Mobile Computing, 2016, 16, 2743-2758.	0.8	10
42	Swarm intelligence algorithm inspired by route choice behavior. Journal of Bionic Engineering, 2016, 13, 669-678.	2.7	13
43	Vehicle mobility driven by traditional drivers versus connected drivers. Wireless Networks, 2016, 22, 1891-1900.	2.0	1
44	Modeling and simulating traffic congestion propagation in connected vehicles driven by temporal and spatial preference. Wireless Networks, 2016, 22, 1121-1131.	2.0	15
45	Network-layer abstraction and simulation of vehicle communication stack. Wireless Networks, 2015, 21, 709-725.	2.0	2
46	VIKE: vehicular IKE for context-awareness. Wireless Networks, 2015, 21, 1343-1362.	2.0	4
47	A Mobility Model for Connected Vehicles Induced by the Fish School. International Journal of Distributed Sensor Networks, 2015, 2015, 1-15.	1.3	5
48	Image-based modeling and simulating physical channel for vehicle-to-vehicle communications. Ad Hoc Networks, 2014, 19, 75-91.	3.4	3