

# Jian Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

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	A Survey of Vehicle to Everything (V2X) Testing. <i>Sensors</i> , 2019, 19, 334.	2.1	167
2	Parallel testing of vehicle intelligence via virtual-real interaction. <i>Science Robotics</i> , 2019, 4, .	9.9	150
3	Deep Reinforcement Learning-Based Adaptive Computation Offloading for MEC in Heterogeneous Vehicular Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 7916-7929.	3.9	99
4	Priority-Aware Task Offloading in Vehicular Fog Computing Based on Deep Reinforcement Learning. <i>IEEE Transactions on Vehicular Technology</i> , 2020, 69, 16067-16081.	3.9	87
5	Joint Optimization of Data Offloading and Resource Allocation With Renewable Energy Aware for IoT Devices: A Deep Reinforcement Learning Approach. <i>IEEE Access</i> , 2019, 7, 179349-179363.	2.6	44
6	Parallel End-to-End Autonomous Mining: An IoT-Oriented Approach. <i>IEEE Internet of Things Journal</i> , 2020, 7, 1011-1023.	5.5	34
7	A reliable adaptive forwarding approach in named data networking. <i>Future Generation Computer Systems</i> , 2019, 96, 538-551.	4.9	30
8	Human dynamics based driver model for autonomous car. <i>IET Intelligent Transport Systems</i> , 2016, 10, 545-554.	1.7	23
9	Applications of Game Theory in Vehicular Networks: A Survey. <i>IEEE Communications Surveys and Tutorials</i> , 2021, 23, 2660-2710.	24.8	22
10	An Efficient Broadcast Scheme for Safety-Related Services in Distributed TDMA-Based VANETs. <i>IEEE Communications Letters</i> , 2019, 23, 1432-1436.	2.5	21
11	SCMAC: A Slotted-Contention-Based Media Access Control Protocol for Cooperative Safety in VANETs. <i>IEEE Internet of Things Journal</i> , 2020, 7, 3812-3821.	5.5	17
12	Modeling and simulating traffic congestion propagation in connected vehicles driven by temporal and spatial preference. <i>Wireless Networks</i> , 2016, 22, 1121-1131.	2.0	15
13	Optimization for computational offloading in multi-access edge computing: A deep reinforcement learning scheme. <i>Computer Networks</i> , 2022, 204, 108690.	3.2	15
14	Swarm intelligence algorithm inspired by route choice behavior. <i>Journal of Bionic Engineering</i> , 2016, 13, 669-678.	2.7	13
15	Non-Cooperative Game of Throughput and Hash Length for Adaptive Merkle Tree in Mobile Wireless Networks. <i>IEEE Transactions on Vehicular Technology</i> , 2019, 68, 4625-4650.	3.9	12
16	Context-Aware Quantification for VANET Security: A Markov Chain-Based Scheme. <i>IEEE Access</i> , 2020, 8, 173618-173626.	2.6	12
17	Efficient and Safe Strategies for Intersection Management: A Review. <i>Sensors</i> , 2021, 21, 3096.	2.1	12
18	The Joint Adaptive Kalman Filter (JAKF) for Vehicle Motion State Estimation. <i>Sensors</i> , 2016, 16, 1103.	2.1	11

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19	Computational Security for Context-Awareness in Vehicular Ad-Hoc Networks. IEEE Access, 2016, 4, 5268-5279.	2.6	11
20	TCGMAC: A TDMA-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
21	Modeling and performance analysis of dynamic spectrum sharing between DSRC and Wi-Fi systems. Wireless Communications and Mobile Computing, 2016, 16, 2743-2758.	0.8	10
22	Physical Layer Authentication Based on Nonlinear Kalman Filter for V2X Communication. IEEE Access, 2020, 8, 163746-163757.	2.6	10
23	Performance analysis of prioritized broadcast service in WAVE/IEEE 802.11p. Computer Networks, 2016, 107, 233-245.	3.2	9
24	Application-value-awareness cross-layer MAC cooperative game for vehicular networks. Vehicular Communications, 2018, 13, 27-37.	2.7	9
25	Physical-layer authentication based on adaptive Kalman filter for V2X communication. Vehicular Communications, 2020, 26, 100281.	2.7	9
26	Non-cooperative game of effective channel capacity and security strength in vehicular networks. Physical Communication, 2017, 25, 214-227.	1.2	8
27	ASTSMAC: Application Suitable Time-Slot Sharing MAC Protocol for Vehicular Ad Hoc Networks. IEEE Access, 2019, 7, 118077-118087.	2.6	8
28	Cross-layer tradeoff of QoS and security in Vehicular ad hoc Networks: A game theoretical approach. Computer Networks, 2021, 192, 108031.	3.2	8
29	Negotiation-Free Encryption for Securing Vehicular Unicasting Communication. Applied Sciences (Switzerland), 2019, 9, 1121.	1.3	5
30	Optimization and non-cooperative game of anonymity updating in vehicular networks. Ad Hoc Networks, 2019, 88, 81-97.	3.4	5
31	A Mobility Model for Connected Vehicles Induced by the Fish School. International Journal of Distributed Sensor Networks, 2015, 2015, 1-15.	1.3	5
32	VIKE: vehicular IKE for context-awareness. Wireless Networks, 2015, 21, 1343-1362.	2.0	4
33	A vehicle's weight-based prioritized reciprocity MAC. Transactions on Emerging Telecommunications Technologies, 2019, 30, e3654.	2.6	4
34	A Hardware-in-the-Loop V2X Simulation Framework: CarTest. Sensors, 2022, 22, 5019.	2.1	4
35	Image-based modeling and simulating physical channel for vehicle-to-vehicle communications. Ad Hoc Networks, 2014, 19, 75-91.	3.4	3
36	Test Method and Risk Factor Definition of Forward Collision Warning System. IEEE Access, 2020, 8, 47730-47740.	2.6	3

#	ARTICLE	IF	CITATIONS
37	Network-layer abstraction and simulation of vehicle communication stack. <i>Wireless Networks</i> , 2015, 21, 709-725.	2.0	2
38	Partially observed cross-layer optimization for vehicular communications. <i>International Journal of Communication Systems</i> , 2018, 31, e3398.	1.6	2
39	C-V2X Large-scale Test Network Transmission Performance Data Analysis Method. , 2021, , .		2
40	Vehicle mobility driven by traditional drivers versus connected drivers. <i>Wireless Networks</i> , 2016, 22, 1891-1900.	2.0	1
41	Distance-Driven Consensus Quantification. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 1471-1484.	4.7	1
42	Spatio-Temporal Location Privacy Quantification for Vehicular Networks. <i>IEEE Access</i> , 2018, 6, 62963-62974.	2.6	1
43	Computational habitual privacy. <i>Transactions on Emerging Telecommunications Technologies</i> , 2019, 30, e3509.	2.6	1
44	ADMB: Application-driven multihop broadcast for vehicular networks. <i>International Journal of Communication Systems</i> , 2017, 30, e3306.	1.6	0
45	SHIYF: A Secured and High-Integrity YARN Framework. <i>Electronics (Switzerland)</i> , 2019, 8, 548.	1.8	0
46	A Novel Method to Enable the Awareness Ability of Non-V2V-Equipped Vehicles in Vehicular Networks. <i>Sensors</i> , 2019, 19, 2187.	2.1	0
47	RPO-MAC: reciprocal Partially observable MAC protocol based on application-value-awareness in VANETs. <i>Wireless Networks</i> , 2021, 27, 2509-2528.	2.0	0
48	Theoretical Proving of Optimal Communication Radius Against Traffic Congestion in Simplified. <i>Lecture Notes in Computer Science</i> , 2017, , 213-224.	1.0	0