Yuan Yao

List of Publications by Year
in descending order

21 papers	**565** citations	1040056 **9** h-index	1058476 **14** g-index
21 all docs	**21** docs citations	**21** times ranked	**648** citing authors

#	Article	IF	Citations
1	Performance and Reliability Analysis of IEEE 802.11p Safety Communication in a Highway Environment. IEEE Transactions on Vehicular Technology, 2013, 62, 4198-4212.	6.3	162
2	VFChain: Enabling Verifiable and Auditable Federated Learning via Blockchain Systems. IEEE Transactions on Network Science and Engineering, 2022, 9, 173-186.	6.4	79
3	Multi-Channel Based Sybil Attack Detection in Vehicular Ad Hoc Networks Using RSSI. IEEE Transactions on Mobile Computing, 2019, 18, 362-375.	5.8	73
4	Parallel Hyper-Heuristic Algorithm for Multi-Objective Route Planning in a Smart City. IEEE Transactions on Vehicular Technology, 2018, 67, 10307-10318.	6.3	48
5	Power Control Identification: A Novel Sybil Attack Detection Scheme in VANETs Using RSSI. IEEE Journal on Selected Areas in Communications, 2019, 37, 2588-2602.	14.0	35
6	LORA: Loss Differentiation Rate Adaptation Scheme for Vehicle-to-Vehicle Safety Communications. IEEE Transactions on Vehicular Technology, 2017, 66, 2499-2512.	6.3	33
7	Voiceprint: A Novel Sybil Attack Detection Method Based on RSSI for VANETs. , 2017, , .		31
8	A Flexible Multi-Channel Coordination MAC Protocol for Vehicular Ad Hoc Networks. IEEE Communications Letters, 2017, 21, 1305-1308.	4.1	27
9	On MAC Access Delay Distribution for IEEE 802.11p Broadcast in Vehicular Networks. IEEE Access, 2019, 7, 149052-149067.	4.2	14
10	Density-Aware Rate Adaptation for Vehicle Safety Communications in the Highway Environment. IEEE Communications Letters, 2014, 18, 1167-1170.	4.1	12
11	Multi-objective Path Planning for UAV in the Urban Environment Based on CDNSGA-II. , 2019, , .		9
12	Real-Time Cache-Aided Route Planning Based on Mobile Edge Computing. IEEE Wireless Communications, 2020, 27, 155-161.	9.0	9
13	When Urban Safety Index Inference Meets Location-Based Data. IEEE Transactions on Mobile Computing, 2019, 18, 2701-2713.	5.8	7
14	The answer is rolling on wheels: Modeling and performance evaluation of in-cabin Wi-Fi communications. Vehicular Communications, 2015, 2, 13-26.	4.0	6
15	Compact Scheduling for Task Graph Oriented Mobile Crowdsourcing. IEEE Transactions on Mobile Computing, 2020, , 1-1.	5.8	6
16	U-safety: Urban safety analysis in a smart city. , 2017, , .		5
17	Vehicle local path planning and time consistency of unmanned driving system based on convolutional neural network. Neural Computing and Applications, 2022, 34, 12385-12398.	5.6	5
18	Decentralized Velocity-Aware Motion Planning for Multi-agent Coordination. , 2019, , .		2

#	Article	IF	Citations
19	Brief Industry Paper: Workload-Aware GPU Performance Estimation in the Airborne Embedded System. , 2021, , .		1
20	WAMP<sup>2</sup>S: Workload-Aware GPU Performance Model based Pseudo-Preemptive Real-Time Scheduling for the Airborne Embedded System. IEEE Transactions on Parallel and Distributed Systems, 2021, , 1-1.	5.6	1
21	A Spatio-Temporal Event Model for Unmanned System Swarm. , 2020, , .		0