

# Dongyao Jia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5787340/publications.pdf>

Version: 2024-02-01

23  
papers

1,513  
citations

687363

13  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1553  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Survey on Platoon-Based Vehicular Cyber-Physical Systems. IEEE Communications Surveys and Tutorials, 2016, 18, 263-284.	39.4	570
2	Platoon based cooperative driving model with consideration of realistic inter-vehicle communication. Transportation Research Part C: Emerging Technologies, 2016, 68, 245-264.	7.6	214
3	Enhanced cooperative car-following traffic model with the combination of V2V and V2I communication. Transportation Research Part B: Methodological, 2016, 90, 172-191.	5.9	162
4	High-Efficiency Urban Traffic Management in Context-Aware Computing and 5G Communication. , 2017, 55, 34-40.		109
5	Cloud-Assisted Safety Message Dissemination in VANETs Cellular Heterogeneous Wireless Network. IEEE Systems Journal, 2017, 11, 128-139.	4.6	99
6	A Disturbance-Adaptive Design for VANET-Enabled Vehicle Platoon. IEEE Transactions on Vehicular Technology, 2014, 63, 527-539.	6.3	77
7	On the network connectivity of platoon-based vehicular cyber-physical systems. Transportation Research Part C: Emerging Technologies, 2014, 40, 215-230.	7.6	48
8	A Joint Control Communication Design for Reliable Vehicle Platooning in Hybrid Traffic. IEEE Transactions on Vehicular Technology, 2017, 66, 9394-9409.	6.3	46
9	A multiclass microscopic model for heterogeneous platoon with vehicle-to-vehicle communication. Transportmetrica B, 2019, 7, 311-335.	2.3	39
10	Improving the Uplink Performance of Drive-Thru Internet via Platoon-Based Cooperative Retransmission. IEEE Transactions on Vehicular Technology, 2014, 63, 4536-4545.	6.3	28
11	Infrastructure-Assisted Message Dissemination for Supporting Heterogeneous Driving Patterns. IEEE Transactions on Intelligent Transportation Systems, 2017, 18, 2865-2876.	8.0	26
12	Integrated simulation platform for conventional, connected and automated driving: A design from cyber-physical systems perspective. Transportation Research Part C: Emerging Technologies, 2021, 124, 102984.	7.6	21
13	Fuel economy and exhaust emissions of a diesel vehicle under real traffic conditions. Energy Science and Engineering, 2020, 8, 1781-1792.	4.0	16
14	An Enhanced Predictive Cruise Control System Design With Data-Driven Traffic Prediction. IEEE Transactions on Intelligent Transportation Systems, 2022, 23, 8170-8183.	8.0	16
15	Multi anticipative bidirectional macroscopic traffic model considering cooperative driving strategy. Transportmetrica B, 2017, 5, 96-110.	2.3	13
16	CPA-MAC: A Collision Prediction and Avoidance MAC for Safety Message Dissemination in MEC-Assisted VANETs. IEEE Transactions on Network Science and Engineering, 2022, 9, 783-794.	6.4	7
17	Exploring the Spatial-Temporal Relationship between Rainfall and Traffic Flow: A Case Study of Brisbane, Australia. Sustainability, 2020, 12, 5596.	3.2	6
18	Software-Defined Industrial Internet of Things. Wireless Communications and Mobile Computing, 2019, 2019, 1-2.	1.2	5

#	ARTICLE	IF	CITATIONS
19	Improvement of type declaration of the IEC 61499 basic function block for developing applications of cyber-physical system. <i>Microprocessors and Microsystems</i> , 2015, 39, 1255-1261.	2.8	4
20	Message dissemination scheduling for multiple cooperative drivings. , 2017, , .		3
21	Improving beacon dissemination in VANETs &#x2014; A cyber-physical system based design. , 2014, , .		2
22	TA-MAC: A Traffic-Aware TDMA MAC Protocol for Safety Message Dissemination in MEC-assisted VANETs. , 2020, , .		2
23	A Novel Safety Message Dissemination for Region of Interest Coverage Using Vehicle Trajectory. , 2020, , .		0