

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

44
papers

920
citations

14
h-index

29
g-index

60
ext. papers

1,232
ext. citations

4.5
avg, IF

4.75
L-index

#	Paper	IF	Citations
44	Eco approaching at an isolated signalized intersection under partially connected and automated vehicles environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 79, 290-307	8.4	144
43	Parsimonious shooting heuristic for trajectory design of connected automated traffic part II: Computational issues and optimization. <i>Transportation Research Part B: Methodological</i> , 2017 , 95, 421-441	7.2	122
42	Coordinated transit signal priority supporting transit progression under Connected Vehicle Technology. <i>Transportation Research Part C: Emerging Technologies</i> , 2015 , 55, 393-408	8.4	119
41	Integrated optimal eco-driving on rolling terrain for hybrid electric vehicle with vehicle-infrastructure communication. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 68, 228-244	8.4	86
40	Transit signal priority accommodating conflicting requests under Connected Vehicles technology. <i>Transportation Research Part C: Emerging Technologies</i> , 2016 , 69, 173-192	8.4	47
39	Transit Signal Priority with Connected Vehicle Technology. <i>Transportation Research Record</i> , 2014 , 2418, 20-29	1.7	44
38	Development of a simulation platform for safety impact analysis considering vehicle dynamics, sensor errors, and communication latencies: Assessing cooperative adaptive cruise control under cyber attack. <i>Transportation Research Part C: Emerging Technologies</i> , 2018 , 97, 1-22	8.4	43
37	Investigating macro-level hotzone identification and variable importance using big data: A random forest models approach. <i>Neurocomputing</i> , 2016 , 181, 53-63	5.4	35
36	An eco-drive experiment on rolling terrains for fuel consumption optimization with connected automated vehicles. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 100, 125-141	8.4	31
35	Identifying mismatch between urban travel demand and transport network services using GPS data: A case study in the fast growing Chinese city of Harbin. <i>Neurocomputing</i> , 2016 , 181, 4-18	5.4	28
34	Integrated vehicle and powertrain optimization for passenger vehicles with vehicle-infrastructure communication. <i>Transportation Research Part C: Emerging Technologies</i> , 2017 , 79, 85-102	8.4	23
33	Quasi-vehicle-trajectory-based real-time safety analysis for expressways. <i>Transportation Research Part C: Emerging Technologies</i> , 2019 , 103, 30-38	8.4	20
32	How big data serves for freight safety management at highway-rail grade crossings? A spatial approach fused with path analysis. <i>Neurocomputing</i> , 2016 , 181, 38-52	5.4	19
31	Revisiting Hit-and-Run Crashes: A Geo-Spatial Modeling Method. <i>Transportation Research Record</i> , 2018 , 2672, 81-92	1.7	14
30	Cooperative Adaptive Cruise Control With Robustness Against Communication Delay: An Approach in the Space Domain. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020 , 1-12	6.1	10
29	An Agent-Based Model for Dispatching Real-Time Demand-Responsive Feeder Bus. <i>Mathematical Problems in Engineering</i> , 2018 , 2018, 1-11	1.1	10
28	Real-Time Vehicle Motion Detection and Motion Altering for Connected Vehicle: Algorithm Design and Practical Applications. <i>Sensors</i> , 2019 , 19,	3.8	9

27	Control Design, Stability Analysis, and Traffic Flow Implications for Cooperative Adaptive Cruise Control Systems with Compensation of Communication Delay. <i>Transportation Research Record</i> , 2020 , 2674, 638-652	1.7	9
26	A generic simulation platform for cooperative adaptive cruise control under partially connected and automated environment. <i>Transportation Research Part C: Emerging Technologies</i> , 2020 , 121, 102874	8.4	9
25	Impact of Automated Vehicle Eco-Approach on Human-Driven Vehicles. <i>IEEE Access</i> , 2018 , 6, 62128-62135	3.5	9
24	Road side unit location optimization for optimum link flow determination. <i>Computer-Aided Civil and Infrastructure Engineering</i> , 2020 , 35, 61-79	8.4	8
23	Transit Signal Priority Experiment in a Connected Vehicle Technology Environment. <i>Journal of Transportation Engineering Part A: Systems</i> , 2017 , 143, 05017005	1.5	7
22	A Cyber-ITS framework for massive traffic data analysis using cyber infrastructure. <i>Scientific World Journal, The</i> , 2013 , 2013, 462846	2.2	7
21	Cooperative weaving for connected and automated vehicles to reduce traffic oscillation. <i>Transportmetrica A: Transport Science</i> , 2019 , 1-19	2.5	5
20	Cycle-based variable speed limit methodology for improved freeway merging. <i>IET Intelligent Transport Systems</i> , 2017 , 11, 632-640	2.4	5
19	Modelling merging behaviour joining a cooperative adaptive cruise control platoon. <i>IET Intelligent Transport Systems</i> , 2020 , 14, 693-701	2.4	5
18	Understanding Public Acceptability of Congestion Charging in Beijing. <i>Journal of Transportation Engineering Part A: Systems</i> , 2020 , 146, 04020080	1.5	4
17	Illumination and Temperature-Aware Multispectral Networks for Edge-Computing-Enabled Pedestrian Detection. <i>IEEE Transactions on Network Science and Engineering</i> , 2021 , 1-1	4.9	4
16	An Extensive Investigation of an Eco-Approach Controller under a Partially Connected and Automated Vehicle Environment. <i>Sustainability</i> , 2019 , 11, 6319	3.6	4
15	Development of a Robust Cooperative Adaptive Cruise Control With Dynamic Topology. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-12	6.1	4
14	Cut through traffic to catch green light: Eco approach with overtaking capability. <i>Transportation Research Part C: Emerging Technologies</i> , 2021 , 123, 102927	8.4	4
13	A Novel Model for Designing a Demand- Responsive Connector (DRC) Transit System With Consideration of Users Preferred Time Windows. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 22, 2442-2451	6.1	3
12	A motion planner enabling cooperative lane changing: Reducing congestion under partially connected and automated environment. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 2021 , 25, 469-481	3.2	3
11	. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2021 , 1-11	6.1	3
10	Development and verification of cooperative adaptive cruise control via LTE-V. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 991-1000	2.4	2

9	Human-Lead-Platooning Cooperative Adaptive Cruise Control. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-20	6.1	2
8	Optimization based trajectory planner for multilane roundabouts with connected automation. <i>Journal of Intelligent Transportation Systems: Technology, Planning, and Operations</i> , 1-12	3.2	2
7	Sensors in Connected Vehicle Technology: How Sensors Play a Critical Role. <i>Journal of Sensors</i> , 2017 , 2017, 1-2	2	1
6	Modeling System Dynamics of Mixed Traffic With Partial Connected and Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2022 , 1-10	6.1	1
5	Improving fuel efficiency of connected and automated transit buses on signallised corridors. <i>IET Intelligent Transport Systems</i> , 2019 , 13, 870-879	2.4	1
4	Development of a Cooperative Automated Driving System via LTE-V 2018 ,		1
3	Stochastic Roadside Unit Location Optimization for Information Propagation in the Internet of Vehicles. <i>IEEE Internet of Things Journal</i> , 2021 , 8, 13316-13327	10.7	1
2	Exploring environmentally sustainable traffic signal warrant for planning application. <i>International Journal of Sustainable Transportation</i> , 2017 , 11, 526-539	3.6	
1	A detection method for cyber-attack on connected signal phase and timing information. <i>Transportmetrica B</i> , 2022 , 10, 731-751	1.8	