

Kakan Dey

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

750
citations

687363

13
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

896
citing authors

#	ARTICLE	IF	CITATIONS
1	Vehicle-to-vehicle (V2V) and vehicle-to-infrastructure (V2I) communication in a heterogeneous wireless network – Performance evaluation. <i>Transportation Research Part C: Emerging Technologies</i> , 2016, 68, 168-184.	7.6	268
2	A Review of Sensing and Communication, Human Factors, and Controller Aspects for Information-Aware Connected and Automated Vehicles. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2020, 21, 7-29.	8.0	69
3	Risk Analysis of Autonomous Vehicles in Mixed Traffic Streams. <i>Transportation Research Record</i> , 2017, 2625, 51-61.	1.9	61
4	Sharing the road with autonomous vehicles: A qualitative analysis of the perceptions of pedestrians and bicyclists. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2021, 78, 433-445.	3.7	43
5	Development and Evaluation of Recurrent Neural Network-Based Models for Hourly Traffic Volume and Annual Average Daily Traffic Prediction. <i>Transportation Research Record</i> , 2019, 2673, 489-503.	1.9	39
6	A Distributed Message Delivery Infrastructure for Connected Vehicle Technology Applications. <i>IEEE Transactions on Intelligent Transportation Systems</i> , 2018, 19, 787-801.	8.0	32
7	Fault-Tree Model for Risk Assessment of Bridge Failure: Case Study for Segmental Box Girder Bridges. <i>Journal of Infrastructure Systems</i> , 2013, 19, 326-334.	1.8	29
8	Assessing the effect of long-automated driving operation, repeated take-over requests, and driver characteristics on commercial motor vehicle drivers' driving behavior and reaction time in highly automated vehicles. <i>Transportation Research Part F: Traffic Psychology and Behaviour</i> , 2022, 84, 239-261.	3.7	27
9	Intelligent Transportation Systems-A Frontier for Breaking Boundaries of Traditional Academic Engineering Disciplines [Education]. <i>IEEE Intelligent Transportation Systems Magazine</i> , 2016, 8, 4-8.	3.8	26
10	Resilience modeling concepts in transportation systems: a comprehensive review based on mode, and modeling techniques. <i>Journal of Infrastructure Preservation and Resilience</i> , 2020, 1, .	3.2	24
11	Evaluation of Transportation System Resilience in the Presence of Connected and Automated Vehicles. <i>Transportation Research Record</i> , 2019, 2673, 562-574.	1.9	20
12	Evaluation of Driver Car-Following Behavior Models for Cooperative Adaptive Cruise Control Systems. <i>Transportation Research Record</i> , 2017, 2622, 84-95.	1.9	18
13	Extracting Rules from Autonomous-Vehicle-Involved Crashes by Applying Decision Tree and Association Rule Methods. <i>Transportation Research Record</i> , 2021, 2675, 522-533.	1.9	17
14	Impacts of Bike Sharing Program on Subway Ridership in New York City. <i>Transportation Research Record</i> , 2021, 2675, 924-934.	1.9	16
15	Development of Statewide Annual Average Daily Traffic Estimation Model from Short-Term Counts: A Comparative Study for South Carolina. <i>Transportation Research Record</i> , 2018, 2672, 55-64.	1.9	13
16	Connectivity supported dynamic routing of electric vehicles in an inductively coupled power transfer environment. <i>IET Intelligent Transport Systems</i> , 2016, 10, 370-377.	3.0	11
17	Process for evaluating the data transfer performance of wireless traffic sensors for real-time intelligent transportation systems applications. <i>IET Intelligent Transport Systems</i> , 2017, 11, 18-27.	3.0	11
18	Vehicle involvements in hydroplaning crashes: Applying interpretable machine learning. <i>Transportation Research Interdisciplinary Perspectives</i> , 2020, 6, 100176.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Future of Transportation Cyber-Physical Systems â€“ Smart Cities/Regions. , 2018, , 267-307.		5
20	Operational analysis of a connected vehicleâ€‘supported access control on urban arterials. IET Intelligent Transport Systems, 2018, 12, 134-142.	3.0	5
21	Application of Bayesian Space-Time interaction models for Deer-Vehicle crash hotspot identification. Accident Analysis and Prevention, 2022, 171, 106646.	5.7	5
22	Connected Vehicle Technology for Improved Multimodal Winter Travel: Agency Perspective and a Conceptual Exploration. Sustainability, 2020, 12, 5071.	3.2	3
23	Modeling and evaluation of a ridesharing matching system from multiâ€‘stakeholdersâ€™ perspective. IET Intelligent Transport Systems, 2021, 15, 781-794.	3.0	1
24	Analysis of Roadway Segment Vulnerability and Risk Factors for Crashes While Driving in the Wrong Direction. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	1
25	Pattern recognition from cyclist under influence (CUI) crash events: application of block cluster analysis. Journal of Substance Use, 0, , 1-6.	0.7	0