

Guangyang Hou

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

215
citations

1163117

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all docs

12
docs citations

12
times ranked

139
citing authors

#	ARTICLE	IF	CITATIONS
1	Post-earthquake resilience assessment and long-term restoration prioritization of transportation network. <i>Reliability Engineering and System Safety</i> , 2021, 211, 107612.	8.9	42
2	Wind loads of moving vehicle on bridge with solid wind barrier. <i>Engineering Structures</i> , 2018, 156, 188-196.	5.3	40
3	Framework of simulation-based vehicle safety performance assessment of highway system under hazardous driving conditions. <i>Transportation Research Part C: Emerging Technologies</i> , 2019, 105, 23-36.	7.6	26
4	Study of work zone traffic safety under adverse driving conditions with a microscopic traffic simulation approach. <i>Accident Analysis and Prevention</i> , 2020, 145, 105698.	5.7	23
5	An Improved Cellular Automaton Model for Work Zone Traffic Simulation Considering Realistic Driving Behavior. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 084001.	1.6	20
6	Traffic Performance Assessment Methodology of Degraded Roadway Links Following Hazards. <i>Journal of Aerospace Engineering</i> , 2019, 32, 04019055.	1.4	18
7	Framework of microscopic traffic flow simulation on highway infrastructure system under hazardous driving conditions. <i>Sustainable and Resilient Infrastructure</i> , 2017, 2, 136-152.	2.8	15
8	Probabilistic modeling of disrupted infrastructures due to fallen trees subjected to extreme winds in urban community. <i>Natural Hazards</i> , 2020, 102, 1323-1350.	3.4	11
9	Assessing the Use of Dual-Drainage Modeling to Determine the Effects of Green Stormwater Infrastructure on Roadway Flooding and Traffic Performance. <i>Water (Switzerland)</i> , 2021, 13, 1563.	2.7	6
10	Development of travel time functions for disrupted urban arterials with microscopic traffic simulation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2022, 593, 126961.	2.6	6
11	Bent Connection Options for Curved and Skewed SMC Bridges in Low-to-Moderate Seismic Regions. <i>Practice Periodical on Structural Design and Construction</i> , 2017, 22, 04017011.	1.3	5
12	Dynamic effects of turbulent crosswinds on a suspended monorail vehicle–curved bridge coupled system. <i>JVC/Journal of Vibration and Control</i> , 2022, 28, 1135-1147.	2.6	3