

Iman Aghayan

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

478
citations

840585

11
h-index

713332

21
g-index

30
all docs

30
docs citations

30
times ranked

481
citing authors

#	ARTICLE	IF	CITATIONS
1	The emission factor adjustments of the passenger cars in multi-story car parks under drive modes. Environmental Science and Pollution Research, 2022, 29, 5105-5123.	2.7	3
2	Modeling Dynamic Frequency Response on Slab Track of Shinkansen Railway Based on Finite Element Method. Advances in Civil Engineering, 2022, 2022, 1-18.	0.4	0
3	The Contribution of Walking to School in Studentsâ€™ Physical Activity and Its Effect on Being Overweight. BioMed Research International, 2022, 2022, 1-15.	0.9	2
4	An extended dynamic probabilistic risk approach based on a surrogate safety measure for rear-end collisions on two-lane roads. Physica A: Statistical Mechanics and Its Applications, 2022, 603, 127845.	1.2	3
5	A comparative analysis of the performance of turbo roundabouts based on geometric characteristics and traffic scenarios. Transportation Letters, 2021, 13, 674-685.	1.8	5
6	Life cycle assessment, mechanical properties, and durability of roller compacted concrete pavement containing recycled waste materials. International Journal of Pavement Research and Technology, 2021, 14, 595-606.	1.3	33
7	Studying perturbations and wave propagations by lane closures on traffic characteristics based on a dynamic approach. Physica A: Statistical Mechanics and Its Applications, 2021, 566, 125654.	1.2	7
8	Modeling the Transport Mode Choice Behavior of Motorcyclists. Iranian Journal of Science and Technology - Transactions of Civil Engineering, 2020, 44, 175-184.	1.0	2
9	Experimental evaluation of ceramic waste as filler in hot mix asphalt. Clean Technologies and Environmental Policy, 2020, 22, 535-543.	2.1	19
10	Compressive strength determination of concrete specimens using X-ray computed tomography and finite element method. Construction and Building Materials, 2020, 256, 119427.	3.2	31
11	A cuckoo search based approach to design sustainable transit network. Transportation Letters, 2020, , 1-14.	1.8	6
12	Characterizing driver behavior in dilemma zones at signalized roundabouts. Transportation Research Part F: Traffic Psychology and Behaviour, 2019, 63, 204-215.	1.8	17
13	Evaluation of aircraft emission at Imam Khomeini International Airport and Mehrabad International Airport. International Journal of Environmental Science and Technology, 2019, 16, 6587-6598.	1.8	10
14	Recycling of PET in asphalt concrete. , 2019, , 269-285.		15
15	Characterization of elastic-plastic coated material properties by indentation techniques using optimisation algorithms and finite element analysis. International Journal of Mechanical Sciences, 2019, 152, 465-480.	3.6	29
16	Laboratory evaluation of the mechanical properties of roller compacted concrete pavement containing ceramic and coal waste powders. Clean Technologies and Environmental Policy, 2019, 21, 707-716.	2.1	28
17	Development of Mashhad driving cycle for passenger car to model vehicle exhaust emissions calibrated using on-board measurements. Sustainable Cities and Society, 2018, 36, 12-20.	5.1	57
18	Experimental investigation of using cross-linked polyethylene waste as aggregate in roller compacted concrete pavement. Journal of Cleaner Production, 2017, 165, 290-297.	4.6	47

#	ARTICLE	IF	CITATIONS
19	Traffic Efficiency Evaluation of Elliptical Roundabout Compared with Modern and Turbo Roundabouts Considering Traffic Signal Control. <i>Promet - Traffic - Traffico</i> , 2017, 29, 1-11.	0.3	20
20	Progressive collapse analysis of buildings with concentric and eccentric braced frames. <i>Structural Engineering and Mechanics</i> , 2017, 61, 755-763.	1.0	2
21	An Analysis of Seismic Behavior of Two Non-coplanar Tunnels. <i>Engineering Journal</i> , 2017, 21, 199-211.	0.5	0
22	Investigating the effects of aging and loading rate on low-temperature cracking resistance of core-based asphalt samples using semi-circular bending test. <i>Construction and Building Materials</i> , 2016, 126, 682-690.	3.2	38
23	A new hybrid method for size and topology optimization of truss structures using modified ALGA and QPGA. <i>Journal of Civil Engineering and Management</i> , 2016, 23, 252-262.	1.9	9
24	Modelling of Crack Propagation in Layered Structures Using Extended Finite Element Method. <i>Civil Engineering Journal (Iran)</i> , 2016, 2, 180-188.	1.2	4
25	Progressive collapse analysis of two existing steel buildings using a linear static procedure. <i>Structural Engineering and Mechanics</i> , 2013, 48, 207-220.	1.0	4
26	PREDICTION FOR TRAFFIC ACCIDENT SEVERITY: COMPARING THE ARTIFICIAL NEURAL NETWORK, GENETIC ALGORITHM, COMBINED GENETIC ALGORITHM AND PATTERN SEARCH METHODS. <i>Transport</i> , 2012, 26, 353-366.	0.6	78
27	Extended Traffic Crash Modelling through Precision and Response Time Using Fuzzy Clustering Algorithms Compared with Multi-layer Perceptron. <i>Promet - Traffic - Traffico</i> , 2012, 24, 455-467.	0.3	4
28	Fuzzy C-means clustering based on clustering algorithms for traffic crash data. , 2012, , 869-874.		0
29	Optimization Model for Fire Station Location Based on GIS and Python: A Case Study in North Cyprus. <i>Applied Mechanics and Materials</i> , 0, 330, 1059-1064.	0.2	2
30	Detecting crash hotspots using grid and density-based spatial clustering. <i>Proceedings of the Institution of Civil Engineers: Transport</i> , 0, , 1-13.	0.3	3