

Vahab Toufigh

List of Publications by Year in descending order

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Version: 2024-02-01

61
papers

1,089
citations

516710

16
h-index

454955

30
g-index

62
all docs

62
docs citations

62
times ranked

807
citing authors

#	ARTICLE	IF	CITATIONS
1	Production of geopolymetric binder from blended waste concrete powder and fly ash. Construction and Building Materials, 2012, 35, 718-729.	7.2	253
2	Experimental and analytical evaluation of rubberized polymer concrete. Construction and Building Materials, 2017, 155, 495-510.	7.2	68
3	The effects of stabilizers on the thermal and the mechanical properties of rammed earth at various humidities and their environmental impacts. Construction and Building Materials, 2019, 200, 616-629.	7.2	68
4	Experimental study and constitutive modeling of polymer concrete's behavior in compression. Construction and Building Materials, 2016, 112, 183-190.	7.2	54
5	Durability of epoxy polymer and ordinary cement concrete in aggressive environments. Construction and Building Materials, 2020, 234, 117887.	7.2	51
6	Reliability analysis of rammed earth structures. Construction and Building Materials, 2016, 127, 884-895.	7.2	35
7	Experimental Investigation and Constitutive Modeling of Polymer Concrete and Sand Interface. International Journal of Geomechanics, 2017, 17, .	2.7	31
8	Developing a comprehensive prediction model for compressive strength of fly ash-based geopolymer concrete (FAGC). Construction and Building Materials, 2021, 277, 122241.	7.2	31
9	Constitutive Modeling and Testing of Interface between Backfill Soil and Fiber-Reinforced Polymer. International Journal of Geomechanics, 2014, 14, .	2.7	28
10	Sustainable usage of waste materials as stabilizer in rammed earth structures. Journal of Cleaner Production, 2020, 277, 123279.	9.3	28
11	Control and Stabilization of Fugitive Dust: Using Eco-Friendly and Sustainable Materials. International Journal of Geomechanics, 2020, 20, .	2.7	22
12	A multi-criteria study on rammed earth for low carbon buildings using a novel ANP-GA approach. Energy and Buildings, 2017, 150, 466-476.	6.7	20
13	Durability of Rammed Earth Materials. International Journal of Geomechanics, 2020, 20, .	2.7	20
14	Experimental and Analytical Investigation on the Interlayer of Roller Compacted Concrete. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	19
15	Strength and Fracture Behavior of Rammed-Earth Materials. Journal of Materials in Civil Engineering, 2019, 31, .	2.9	17
16	Laboratory study of soil-CFRP interaction using pull-out test. Geomechanics and Geoengineering, 2014, 9, 208-214.	1.8	16
17	A combination of deep learning and genetic algorithm for predicting the compressive strength of high-performance concrete. Structural Concrete, 2022, 23, 2405-2418.	3.1	16
18	Interface between Tire and Pavement. Journal of Materials in Civil Engineering, 2017, 29, .	2.9	15

#	ARTICLE	IF	CITATIONS
19	Fatigue performance of polymer and ordinary cement concrete under corrosive conditions: A comparative study. <i>Engineering Failure Analysis</i> , 2020, 111, 104493.	4.0	15
20	Disturbed State Concept-Based Solution for Consolidation of Plastic Clays under Cyclic Loading. <i>International Journal of Geomechanics</i> , 2015, 15, .	2.7	14
21	The evaluation of distributed damage in concrete based on sinusoidal modeling of the ultrasonic response. <i>Ultrasonics</i> , 2018, 89, 195-205.	3.9	14
22	Probabilistic-Based Analysis of MSE Walls Using the Latin Hypercube Sampling Method. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	14
23	Environmental effects on the bond at the interface between FRP and wood. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 163-174.	2.9	13
24	Energy Use and Thermal Performance of Rammed-Earth Materials. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	13
25	Study of Behavior of Concrete under Axial and Triaxial Compression. <i>ACI Materials Journal</i> , 2017, 114, .	0.2	13
26	Enhancement of brick-mortar shear bond strength using environmental friendly mortars. <i>Construction and Building Materials</i> , 2019, 195, 28-40.	7.2	12
27	Behavior of polymer concrete beam/pile confined with CFRP sleeves. <i>Mechanics of Advanced Materials and Structures</i> , 2019, 26, 333-340.	2.6	12
28	A plasticity-based constitutive model for the behavior of soil-structure interfaces under cyclic loading. <i>Transportation Geotechnics</i> , 2018, 14, 41-51.	4.5	11
29	Finite element analysis of a CFRP reinforced retaining wall. <i>Geomechanics and Engineering</i> , 2016, 10, 757-774.	0.9	11
30	Behavior of FRP bonded to steel under freeze thaw cycles. <i>Steel and Composite Structures</i> , 2013, 14, 41-55.	1.3	10
31	Interface Behavior Between Carbon-Fiber Polymer and Sand. <i>Journal of Testing and Evaluation</i> , 2016, 44, 385-390.	0.7	10
32	Seismic performance of ribbed bracing system in passive control of structures. <i>JVC/Journal of Vibration and Control</i> , 2017, 23, 2926-2941.	2.6	9
33	Experimental and analytical evaluation of FRPs bonded to masonry-long term. <i>Surface and Coatings Technology</i> , 2018, 344, 729-741.	4.8	9
34	The long-term evaluation of FRPs bonded to timber. <i>European Journal of Wood and Wood Products</i> , 2018, 76, 1623-1636.	2.9	8
35	Numerical and experimental investigation on a BRB confined with partially carbon fiber reinforced polymer (CFRP). <i>Engineering Structures</i> , 2020, 223, 111150.	5.3	8
36	Application of ultrasonic models for investigating the properties of the interface between roller compacted concrete (RCC) layers. <i>NDT and E International</i> , 2021, 124, 102516.	3.7	8

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37	Strength Evaluation and Energy-Dissipation Behavior of Fiber-Reinforced Polymer Concrete. <i>Advances in Civil Engineering Materials</i> , 2013, 2, 622-636.	0.6	7
38	Cementitious mortars containing pozzolana under elevated temperatures. <i>Structural Concrete</i> , 2022, 23, 3294-3312.	3.1	7
39	Environmental effects on the bond at the interface of fiber-reinforced polymer and masonry brick. <i>Journal of Reinforced Plastics and Composites</i> , 2017, 36, 1355-1368.	3.1	6
40	Softening Behavior and Volumetric Deformation of Rocks. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	6
41	Bond strength prediction of timber-FRP under standard and acidic/alkaline environmental conditions based on gene expression programming. <i>European Journal of Wood and Wood Products</i> , 2022, 80, 1457-1471.	2.9	6
42	Assessment of Plain and Glass Fiber-Reinforced Concrete Under Impact Loading: A New Approach via Ultrasound Evaluation. <i>Journal of Nondestructive Evaluation</i> , 2019, 38, 1.	2.4	5
43	The Interface Behavior of Rock, Conventional Vibrated and Roller Compacted Concrete. <i>Geotechnical and Geological Engineering</i> , 2020, 38, 1949-1969.	1.7	5
44	Strength of <scp>SCLC</scp> recycled springs and fibers concrete subject to high temperatures. <i>Structural Concrete</i> , 2022, 23, 285-299.	3.1	5
45	Analyzing and Predicting Permeability Coefficient of Roller-Compacted Concrete (RCC). <i>Journal of Testing and Evaluation</i> , 2021, 49, 20180718.	0.7	5
46	Mechanical properties and environmental impact of rubberized fly ash- and red mud-based geopolymer concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 8091-8114.	2.1	5
47	Quantification of seismic performance factors for ribbed bracing system. <i>Engineering Structures</i> , 2018, 176, 159-174.	5.3	4
48	Experimental and numerical studies on ribbed bracing system. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1493.	1.9	4
49	Properties of concrete containing Guar gum. <i>European Journal of Environmental and Civil Engineering</i> , 2022, 26, 2736-2752.	2.1	4
50	Experimental Investigation of Mixture Design and Durability Performance of Alkali-Activated Rammed Earth. <i>International Journal of Geomechanics</i> , 2022, 22, .	2.7	4
51	Experimental and probabilistic investigation on the durability of geopolymer concrete confined with fiber reinforced polymer. <i>Construction and Building Materials</i> , 2022, 334, 127419.	7.2	4
52	Probabilistic seismic performance assessment of ribbed bracing systems. <i>Journal of Constructional Steel Research</i> , 2018, 148, 326-335.	3.9	3
53	Experimental Evaluation of Pinned Frame Equipped with Ribbed Bracing System. <i>Journal of Earthquake Engineering</i> , 2019, 23, 1297-1317.	2.5	3
54	Study of stress-strain and volume change behavior of fly ash-GBFS based geopolymer rammed earth. <i>Bulletin of Engineering Geology and the Environment</i> , 2021, 80, 6749-6767.	3.5	3

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55	An experimental study on bond behavior of tensile lap spliced FRP in aggressive environments. Structures, 2021, 32, 342-354.	3.6	2
56	An innovative inverse analysis based on the Bayesian inference for concrete material. Ultrasonics, 2022, 124, 106718.	3.9	2
57	Experimental and numerical study on a novel ribbed bracing system. Advances in Structural Engineering, 2018, 21, 1349-1360.	2.4	1
58	Performance-based assessment of an innovative braced tube system for tall buildings. Bulletin of Earthquake Engineering, 2018, 16, 731-752.	4.1	1
59	Mechanical Properties of Different Types of Concrete under Triaxial Compression Loading. , 2018, , .		1
60	A Simple Model for Various Types of Concretes and Confinement Conditions Based on Disturbed State Concept. Scientia Iranica, 2017, .	0.4	0
61	Multi-scale dispersive gradient elasticity model with rotation for the particulate composite. Composite Structures, 2022, , 115757.	5.8	0