

Vahab Toufigh

List of Publications by Year in descending order

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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	Properties of concrete containing Guar gum. European Journal of Environmental and Civil Engineering, 2022, 26, 2736-2752.	2.1	4
2	Strength of <sc>SCLC</sc> recycled springs and fibers concrete subject to high temperatures. Structural Concrete, 2022, 23, 285-299.	3.1	5
3	Cementitious mortars containing pozzolana under elevated temperatures. Structural Concrete, 2022, 23, 3294-3312.	3.1	7
4	A combination of deep learning and genetic algorithm for predicting the compressive strength of <sc>highâ€performance</sc> concrete. Structural Concrete, 2022, 23, 2405-2418.	3.1	16
5	Mechanical properties and environmental impact of rubberized fly ash- and red mud-based geopolymer concrete. European Journal of Environmental and Civil Engineering, 2022, 26, 8091-8114.	2.1	5
6	Experimental Investigation of Mixture Design and Durability Performance of Alkali-Activated Rammed Earth. International Journal of Geomechanics, 2022, 22, .	2.7	4
7	An innovative inverse analysis based on the Bayesian inference for concrete material. Ultrasonics, 2022, 124, 106718.	3.9	2
8	Experimental and probabilistic investigation on the durability of geopolymer concrete confined with fiber reinforced polymer. Construction and Building Materials, 2022, 334, 127419.	7.2	4
9	Multi-scale dispersive gradient elasticity model with rotation for the particulate composite. Composite Structures, 2022, , 115757.	5.8	0
10	Bond strength prediction of timber-FRP under standard and acidic/alkaline environmental conditions based on gene expression programming. European Journal of Wood and Wood Products, 2022, 80, 1457-1471.	2.9	6
11	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
12	Experimental and Analytical Investigation on the Interlayer of Roller Compacted Concrete. Journal of Materials in Civil Engineering, 2021, 33, .	2.9	19
13	Study of stressâ€strain and volume change behavior of fly ash-GBFS based geopolymer rammed earth. Bulletin of Engineering Geology and the Environment, 2021, 80, 6749-6767.	3.5	3
14	An experimental study on bond behavior of tensile lap spliced FRP in aggressive environments. Structures, 2021, 32, 342-354.	3.6	2
15	Application of ultrasonic models for investigating the properties of the interface between roller compacted concrete (RCC) layers. NDT and E International, 2021, 124, 102516.	3.7	8
16	Analyzing and Predicting Permeability Coefficient of Roller-Compacted Concrete (RCC). Journal of Testing and Evaluation, 2021, 49, 20180718.	0.7	5
17	Durability of epoxy polymer and ordinary cement concrete in aggressive environments. Construction and Building Materials, 2020, 234, 117887.	7.2	51
18	The Interface Behavior of Rock, Conventional Vibrated and Roller Compacted Concrete. Geotechnical and Geological Engineering, 2020, 38, 1949-1969.	1.7	5

#	ARTICLE	IF	CITATIONS
19	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
20	Energy Use and Thermal Performance of Rammed-Earth Materials. <i>Journal of Materials in Civil Engineering</i> , 2020, 32, .	2.9	13
21	Sustainable usage of waste materials as stabilizer in rammed earth structures. <i>Journal of Cleaner Production</i> , 2020, 277, 123279.	9.3	28
22	Durability of Rammed Earth Materials. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	20
23	Control and Stabilization of Fugitive Dust: Using Eco-Friendly and Sustainable Materials. <i>International Journal of Geomechanics</i> , 2020, 20, .	2.7	22
24	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
25	Strength and Fracture Behavior of Rammed-Earth Materials. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	2.9	17
26	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
27	Enhancement of brick-mortar shear bond strength using environmental friendly mortars. <i>Construction and Building Materials</i> , 2019, 195, 28-40.	7.2	12
28	The effects of stabilizers on the thermal and the mechanical properties of rammed earth at various humidities and their environmental impacts. <i>Construction and Building Materials</i> , 2019, 200, 616-629.	7.2	68
29	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
30	Experimental Evaluation of Pinned Frame Equipped with Ribbed Bracing System. <i>Journal of Earthquake Engineering</i> , 2019, 23, 1297-1317.	2.5	3
31	Experimental and analytical evaluation of FRPs bonded to masonry-long term. <i>Surface and Coatings Technology</i> , 2018, 344, 729-741.	4.8	9
32	Experimental and numerical study on a novel ribbed bracing system. <i>Advances in Structural Engineering</i> , 2018, 21, 1349-1360.	2.4	1
33	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
34	Performance-based assessment of an innovative braced tube system for tall buildings. <i>Bulletin of Earthquake Engineering</i> , 2018, 16, 731-752.	4.1	1
35	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
36	Mechanical Properties of Different Types of Concrete under Triaxial Compression Loading. , 2018, , .		1

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37	Quantification of seismic performance factors for ribbed bracing system. <i>Engineering Structures</i> , 2018, 176, 159-174.	5.3	4
38	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
39	Softening Behavior and Volumetric Deformation of Rocks. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	6
40	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
41	Probabilistic-Based Analysis of MSE Walls Using the Latin Hypercube Sampling Method. <i>International Journal of Geomechanics</i> , 2018, 18, .	2.7	14
42	Experimental and numerical studies on ribbed bracing system. <i>Structural Design of Tall and Special Buildings</i> , 2018, 27, e1493.	1.9	4
43	Probabilistic seismic performance assessment of ribbed bracing systems. <i>Journal of Constructional Steel Research</i> , 2018, 148, 326-335.	3.9	3
44	Experimental Investigation and Constitutive Modeling of Polymer Concrete and Sand Interface. <i>International Journal of Geomechanics</i> , 2017, 17, .	2.7	31
45	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
46	Interface between Tire and Pavement. <i>Journal of Materials in Civil Engineering</i> , 2017, 29, .	2.9	15
47	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
48	A multi-criteria study on rammed earth for low carbon buildings using a novel ANP-GA approach. <i>Energy and Buildings</i> , 2017, 150, 466-476.	6.7	20
49	Experimental and analytical evaluation of rubberized polymer concrete. <i>Construction and Building Materials</i> , 2017, 155, 495-510.	7.2	68
50	Study of Behavior of Concrete under Axial and Triaxial Compression. <i>ACI Materials Journal</i> , 2017, 114, .	0.2	13
51	A Simple Model for Various Types of Concretes and Confinement Conditions Based on Disturbed State Concept. <i>Scientia Iranica</i> , 2017, .	0.4	0
52	Reliability analysis of rammed earth structures. <i>Construction and Building Materials</i> , 2016, 127, 884-895.	7.2	35
53	Experimental study and constitutive modeling of polymer concrete's behavior in compression. <i>Construction and Building Materials</i> , 2016, 112, 183-190.	7.2	54
54	Finite element analysis of a CFRP reinforced retaining wall. <i>Geomechanics and Engineering</i> , 2016, 10, 757-774.	0.9	11

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55	Interface Behavior Between Carbon-Fiber Polymer and Sand. Journal of Testing and Evaluation, 2016, 44, 385-390.	0.7	10
56	Disturbed State Concept-Based Solution for Consolidation of Plastic Clays under Cyclic Loading. International Journal of Geomechanics, 2015, 15, .	2.7	14
57	Laboratory study of soil-CFRP interaction using pull-out test. Geomechanics and Geoengineering, 2014, 9, 208-214.	1.8	16
58	Constitutive Modeling and Testing of Interface between Backfill Soil and Fiber-Reinforced Polymer. International Journal of Geomechanics, 2014, 14, .	2.7	28
59	Behavior of FRP bonded to steel under freeze thaw cycles. Steel and Composite Structures, 2013, 14, 41-55.	1.3	10
60	Strength Evaluation and Energy-Dissipation Behavior of Fiber-Reinforced Polymer Concrete. Advances in Civil Engineering Materials, 2013, 2, 622-636.	0.6	7
61	Production of geopolymetric binder from blended waste concrete powder and fly ash. Construction and Building Materials, 2012, 35, 718-729.	7.2	253