

Hamid Eskandari-Naddaf

List of Publications by Year in descending order

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46
papers

1,341
citations

516561

16
h-index

360920

35
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all docs

48
docs citations

48
times ranked

963
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical Properties and Microstructure Evaluation of Cement Mortar with Different Cement Strength Classes by Image Analysis. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 4763-4783.	1.7	5
2	The ITZ microstructure, thickness, porosity and its relation with compressive and flexural strength of cement mortar; influence of cement fineness and water/cement ratio. <i>Frontiers of Structural and Civil Engineering</i> , 2022, 16, 191-201.	1.2	8
3	The Properties of Cement-Mortar at Different Cement Strength Classes: Experimental Study and Multi-objective Modeling. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 13381-13396.	1.7	5
4	Evolution of different microstructure and influence on the characterization of pore structure and mechanical properties of cement mortar exposed to freezing-thawing: The role of cement fineness. <i>Engineering Failure Analysis</i> , 2022, 140, 106588.	1.8	3
5	Hybrid artificial neural network with biogeography-based optimization to assess the role of cement fineness on ecological footprint and mechanical properties of cement mortar expose to freezing/thawing. <i>Construction and Building Materials</i> , 2021, 304, 124589.	3.2	13
6	Linear and non-linear SVM prediction for fresh properties and compressive strength of high volume fly ash self-compacting concrete. <i>Construction and Building Materials</i> , 2020, 230, 117021.	3.2	134
7	Insights into surface crack propagation of cement mortar with different cement fineness subjected to freezing/thawing. <i>Construction and Building Materials</i> , 2020, 233, 117207.	3.2	9
8	Genetic programming based formulation for compressive and flexural strength of cement mortar containing nano and micro silica after freeze and thaw cycles. <i>Construction and Building Materials</i> , 2020, 241, 118027.	3.2	31
9	Synergistic effect of colloidal nano and micro-silica on the microstructure and mechanical properties of mortar using full factorial design. <i>Construction and Building Materials</i> , 2020, 261, 120497.	3.2	9
10	Electrochemical and statistical analyses of the combined effect of air-entraining admixture and micro-silica on corrosion of reinforced concrete. <i>Construction and Building Materials</i> , 2020, 262, 120768.	3.2	22
11	Effect of porosity on predicting compressive and flexural strength of cement mortar containing micro and nano-silica by ANN and GEP. <i>Construction and Building Materials</i> , 2019, 218, 8-27.	3.2	50
12	Optimizing the compressive strength of concrete containing micro-silica, nano-silica, and polypropylene fibers using extreme vertices mixture design. <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 821-830.	1.2	27
13	Structural response of ferrocement panels incorporating lightweight expanded clay and perlite aggregates: Experimental, theoretical and statistical analysis. <i>Engineering Structures</i> , 2019, 188, 382-393.	2.6	12
14	Effect of porosity on predicting compressive and flexural strength of cement mortar containing micro and nano-silica by multi-objective ANN modeling. <i>Construction and Building Materials</i> , 2019, 212, 176-191.	3.2	48
15	Effect of cement strength class on the generalization of Abrams' law. <i>Structural Concrete</i> , 2019, 20, 493-505.	1.5	23
16	Effect of cement strength class on the prediction of compressive strength of cement mortar using GEP method. <i>Construction and Building Materials</i> , 2019, 198, 27-41.	3.2	58
17	Cost-safety optimization of steel-concrete composite beams using standardized formulation. <i>Engineering Science and Technology, an International Journal</i> , 2019, 22, 523-532.	2.0	4
18	Simultaneous effect of nano and micro silica on corrosion behaviour of reinforcement in concrete containing cement strength grade of C-525. <i>Procedia Manufacturing</i> , 2018, 22, 399-405.	1.9	16

#	ARTICLE	IF	CITATIONS
19	Finite Element Modeling of Shear Strength for Concrete Deep Beams (Part II). <i>Materials Today: Proceedings</i> , 2018, 5, 5521-5528.	0.9	3
20	Experimental evaluation of the effect of mix design ratios on compressive strength of cement mortars containing cement strength class 42.5 and 52.5 MPa. <i>Procedia Manufacturing</i> , 2018, 22, 392-398.	1.9	18
21	Genetic prediction of cement mortar mechanical properties with different cement strength class after freezing and thawing cycles. <i>Structural Concrete</i> , 2018, 19, 1341-1352.	1.5	11
22	PROPERTIES of SCC in GREEN and GREY STATE. <i>Materials Today: Proceedings</i> , 2018, 5, 3503-3512.	0.9	2
23	Sensitivity Analysis of Reinforced Concrete Deep Beam by STM and FEM (Part III). <i>Materials Today: Proceedings</i> , 2018, 5, 5529-5535.	0.9	5
24	Dynamic Cost Optimization Method of Concrete Mix Design. <i>Materials Today: Proceedings</i> , 2018, 5, 4669-4677.	0.9	3
25	Effect of Air Entraining Admixture on Concrete under Temperature Changes in Freeze and Thaw Cycles. <i>Materials Today: Proceedings</i> , 2018, 5, 6208-6216.	0.9	6
26	Performance evaluation of dry-pressed concrete curbs with variable cement grades by using Taguchi method. <i>Ain Shams Engineering Journal</i> , 2018, 9, 1357-1364.	3.5	9
27	Effective coupled thermo-electro-mechanical properties of piezoelectric structural fiber composites: A micromechanical approach. <i>Journal of Intelligent Material Systems and Structures</i> , 2018, 29, 496-513.	1.4	13
28	Corrosion behavior and optimization of air-entrained reinforced concrete, incorporating microsilica. <i>Structural Concrete</i> , 2018, 19, 1472-1480.	1.5	13
29	ANN and GEP prediction for simultaneous effect of nano and micro silica on the compressive and flexural strength of cement mortar. <i>Construction and Building Materials</i> , 2018, 189, 978-992.	3.2	67
30	Digital image correlation to characterize the flexural behavior of lightweight ferrocement slab panels. <i>Construction and Building Materials</i> , 2018, 189, 967-977.	3.2	17
31	Characterization of ferrocement slab panels containing lightweight expanded clay aggregate using digital image correlation technique. <i>Construction and Building Materials</i> , 2018, 180, 464-476.	3.2	24
32	Lifetime Analysis on Centrifugal ID Fan Foundation in Cement Plants. <i>International Journal of Integrated Engineering</i> , 2018, 10, .	0.2	2
33	ANN prediction of cement mortar compressive strength, influence of cement strength class. <i>Construction and Building Materials</i> , 2017, 138, 1-11.	3.2	116
34	Lightweight Ferrocement Matrix Compressive Behavior: Experiments Versus Finite Element Analysis. <i>Arabian Journal for Science and Engineering</i> , 2017, 42, 4001-4013.	1.7	12
35	Effect of Main Factors on Fracture Mode of Mortar, A Graphical Study. <i>Civil Engineering Journal (Iran)</i> , 2017, 3, 897.	1.2	6
36	Optimizing Compressive Strength of Micro- and Nano-silica Concrete by Statistical Method. <i>Civil Engineering Journal (Iran)</i> , 2017, 3, 1084.	1.2	5

#	ARTICLE	IF	CITATIONS
37	Optimal Methods for Retrofitting Corrosion-damaged Reinforced Concrete Columns. <i>Procedia Computer Science</i> , 2016, 101, 262-271.	1.2	1
38	Foundation analyzing of centrifugal ID fans in cement plants. <i>AEJ - Alexandria Engineering Journal</i> , 2016, 55, 1563-1572.	3.4	4
39	Effect of Air Entraining Admixture on Corrosion of Reinforced Concrete. <i>Procedia Engineering</i> , 2016, 150, 2178-2184.	1.2	20
40	Prediction of Mortar Compressive Strengths for Different Cement Grades in the Vicinity of Sodium Chloride Using ANN. <i>Procedia Engineering</i> , 2016, 150, 2185-2192.	1.2	13
41	Effect of 32.5 and 42.5 Cement Grades on ANN Prediction of Fibrocement Compressive Strength. <i>Procedia Engineering</i> , 2016, 150, 2193-2201.	1.2	18
42	Cost optimization and sensitivity analysis of composite beams. <i>Civil Engineering Journal (Iran)</i> , 2016, 2, 52-62.	1.2	14
43	Investigation of ferrocement channels using experimental and finite element analysis. <i>Engineering Science and Technology, an International Journal</i> , 2015, 18, 769-775.	2.0	16
44	Size effect in self consolidating concrete beams with and without notches. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2010, 35, 303-317.	0.8	38
45	Fracture process zone size and true fracture energy of concrete using acoustic emission. <i>Construction and Building Materials</i> , 2010, 24, 479-486.	3.2	170
46	Prediction of compressive strength of SCC and HPC with high volume fly ash using ANN. <i>Construction and Building Materials</i> , 2009, 23, 117-128.	3.2	221