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 g-index
48 all docs	48 docs citations	48 times ranked	963 citing authors

#	Article	IF	Citations
1	Prediction of compressive strength of SCC and HPC with high volume fly ash using ANN. Construction and Building Materials, 2009, 23, 117-128.	3.2	221
2	Fracture process zone size and true fracture energy of concrete using acoustic emission. Construction and Building Materials, 2010, 24, 479-486.	3.2	170
3	Linear and non-linear SVM prediction for fresh properties and compressive strength of high volume fly ash self-compacting concrete. Construction and Building Materials, 2020, 230, 117021.	3.2	134
4	ANN prediction of cement mortar compressive strength, influence of cement strength class. Construction and Building Materials, 2017, 138, 1-11.	3.2	116
5	ANN and GEP prediction for simultaneous effect of nano and micro silica on the compressive and flexural strength of cement mortar. Construction and Building Materials, 2018, 189, 978-992.	3.2	67
6	Effect of cement strength class on the prediction of compressive strength of cement mortar using GEP method. Construction and Building Materials, 2019, 198, 27-41.	3.2	58
7	Effect of porosity on predicting compressive and flexural strength of cement mortar containing micro and nano-silica by ANN and GEP. Construction and Building Materials, 2019, 218, 8-27.	3.2	50
8	Effect of porosity on predicting compressive and flexural strength of cement mortar containing micro and nano-silica by multi-objective ANN modeling. Construction and Building Materials, 2019, 212, 176-191.	3.2	48
9	Size effect in self consolidating concrete beams with and without notches. Sadhana - Academy Proceedings in Engineering Sciences, 2010, 35, 303-317.	0.8	38
10	Genetic programming based formulation for compressive and flexural strength of cement mortar containing nano and micro silica after freeze and thaw cycles. Construction and Building Materials, 2020, 241, 118027.	3.2	31
11	Optimizing the compressive strength of concrete containing micro-silica, nano-silica, and polypropylene fibers using extreme vertices mixture design. Frontiers of Structural and Civil Engineering, 2019, 13, 821-830.	1.2	27
12	Characterization of ferrocement slab panels containing lightweight expanded clay aggregate using digital image correlation technique. Construction and Building Materials, 2018, 180, 464-476.	3.2	24
13	Effect of cement strength class on the generalization of Abrams' law. Structural Concrete, 2019, 20, 493-505.	1.5	23
14	Electrochemical and statistical analyses of the combined effect of air-entraining admixture and micro-silica on corrosion of reinforced concrete. Construction and Building Materials, 2020, 262, 120768.	3.2	22
15	Effect of Air Entraining Admixture on Corrosion of Reinforced Concrete. Procedia Engineering, 2016, 150, 2178-2184.	1.2	20
16	Effect of 32.5 and 42.5 Cement Grades on ANN Prediction of Fibrocement Compressive Strength. Procedia Engineering, 2016, 150, 2193-2201.	1.2	18
17	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. Procedia Manufacturing, 2018, 22, 392-398.	1.9	18
18	Digital image correlation to characterize the flexural behavior of lightweight ferrocement slab panels. Construction and Building Materials, 2018, 189, 967-977.	3.2	17

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19	Investigation of ferrocement channels using experimental and finite element analysis. Engineering Science and Technology, an International Journal, 2015, 18, 769-775.	2.0	16
20	Simultaneous effect of nano and micro silica on corrosion behaviour of reinforcement in concrete containing cement strength grade of C-525. Procedia Manufacturing, 2018, 22, 399-405.	1.9	16
21	Cost optimization and sensitivity analysis of composite beams. Civil Engineering Journal (Iran), 2016, 2, 52-62.	1.2	14
22	Prediction of Mortar Compressive Strengths for Different Cement Grades in the Vicinity of Sodium Chloride Using ANN. Procedia Engineering, 2016, 150, 2185-2192.	1.2	13
23	Effective coupled thermo-electro-mechanical properties of piezoelectric structural fiber composites: A micromechanical approach. Journal of Intelligent Material Systems and Structures, 2018, 29, 496-513.	1.4	13
24	Corrosion behavior and optimization of airâ€entrained reinforced concrete, incorporating microsilica. Structural Concrete, 2018, 19, 1472-1480.	1.5	13
25	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. Construction and Building Materials, 2021, 304, 124589.	3.2	13
26	Lightweight Ferrocement Matrix Compressive Behavior: Experiments Versus Finite Element Analysis. Arabian Journal for Science and Engineering, 2017, 42, 4001-4013.	1.7	12
27	Structural response of ferrocement panels incorporating lightweight expanded clay and perlite aggregates: Experimental, theoretical and statistical analysis. Engineering Structures, 2019, 188, 382-393.	2.6	12
28	Genetic prediction of cement mortar mechanical properties with different cement strength class after freezing and thawing cycles. Structural Concrete, 2018, 19, 1341-1352.	1.5	11
29	Performance evaluation of dry-pressed concrete curbs with variable cement grades by using Taguchi method. Ain Shams Engineering Journal, 2018, 9, 1357-1364.	3.5	9
30	Insights into surface crack propagation of cement mortar with different cement fineness subjected to freezing/thawing. Construction and Building Materials, 2020, 233, 117207.	3.2	9
31	Synergistic effect of colloidal nano and micro-silica on the microstructure and mechanical properties of mortar using full factorial design. Construction and Building Materials, 2020, 261, 120497.	3.2	9
32	The ITZ microstructure, thickness, porosity and its relation with compressive and flexural strength of cement mortar; influence of cement fineness and water/cement ratio. Frontiers of Structural and Civil Engineering, 2022, 16, 191-201.	1.2	8
33	Effect of Air Entraining Admixture on Concrete under Temperature Changes in Freeze and Thaw Cycles. Materials Today: Proceedings, 2018, 5, 6208-6216.	0.9	6
34	Effect of Main Factors on Fracture Mode of Mortar, A Graphical Study. Civil Engineering Journal (Iran), 2017, 3, 897.	1.2	6
35	Sensitivity Analysis of Reinforced Concrete Deep Beam by STM and FEM (Part III). Materials Today: Proceedings, 2018, 5, 5529-5535.	0.9	5
36	Optimizing Compressive Strength of Micro- and Nano-silica Concrete by Statistical Method. Civil Engineering Journal (Iran), 2017, 3, 1084.	1.2	5

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37	Mechanical Properties and Microstructure Evaluation of Cement Mortar with Different Cement Strength Classes by Image Analysis. Arabian Journal for Science and Engineering, 2022, 47, 4763-4783.	1.7	5
38	The Properties of Cement-Mortar at Different Cement Strength Classes: Experimental Study and Multi-objective Modeling. Arabian Journal for Science and Engineering, 2022, 47, 13381-13396.	1.7	5
39	Foundation analyzing of centrifugal ID fans in cement plants. AEJ - Alexandria Engineering Journal, 2016, 55, 1563-1572.	3.4	4
40	Cost-safety optimization of steel-concrete composite beams using standardized formulation. Engineering Science and Technology, an International Journal, 2019, 22, 523-532.	2.0	4
41	Finite Element Modeling of Shear Strength for Concrete Deep Beams (Part II). Materials Today: Proceedings, 2018, 5, 5521-5528.	0.9	3
42	Dynamic Cost Optimization Method of Concrete Mix Design. Materials Today: Proceedings, 2018, 5, 4669-4677.	0.9	3
43	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. Engineering Failure Analysis, 2022, 140, 106588.	1.8	3
44	PROPERTIES of SCC in GREEN and GREY STATE. Materials Today: Proceedings, 2018, 5, 3503-3512.	0.9	2
45	Lifetime Analysis on Centrifugal ID Fan Foundation in Cement Plants. International Journal of Integrated Engineering, 2018, 10, .	0.2	2
46	Optimal Methods for Retrofitting Corrosion-damaged Reinforced Concrete Columns. Procedia Computer Science, 2016, 101, 262-271.	1.2	1