Mohammad Javad Taheri Amiri

List of Publications by Year in Descending Order

44 papers	3,287 citations	31 h-index	44 g-index
44 ext. papers	3,960 ext. citations	4 avg, IF	6.4 L-index

#	Paper	IF	Citations
44	On the implementation of the interpretable data-intelligence model for designing service life of structural concrete in a marine environment. *Ocean Engineering*, **2022**, 256, 111523	3.9	1
43	Development of a non-dominated sorting genetic algorithm for implementing circular economy strategies in the concrete industry. *Sustainable Production and Consumption*, **2021**, 27, 933-946	8.2	11
42	Classification-Based Regression Models for Prediction of the Mechanical Properties of Roller-Compacted Concrete Pavement. *Applied Sciences (Switzerland)*, **2020**, 10, 3707	2.6	14
41	Recycle of ground granulated blast furnace slag and fly ash on eco-friendly brick production. *European Journal of Environmental and Civil Engineering*, **2020**, 1-19	1.5	8
40	Evaluation of mechanical properties of concretes containing coarse recycled concrete aggregates using multivariate adaptive regression splines (MARS), M5 model tree (M5Tree), and least squares support vector regression (LSSVR) models. *Neural Computing and Applications*, **2020**, 32, 295-308	4.8	43
39	Compressive strength of Foamed Cellular Lightweight Concrete simulation: New development of hybrid artificial intelligence model. *Construction and Building Materials*, **2020**, 230, 117048	6.7	58
38	Low-velocity impact behavior of a carbon/bismaleimide composite proposed for supersonic flight simulation after hygrothermal cycling. *Polymer Composites*, **2019**, 40, E1588-E1599	3	2
37	Ternary blended cement: An eco-friendly alternative to improve resistivity of high-performance self-consolidating concrete against elevated temperature. *Journal of Cleaner Production*, **2019**, 223, 575-586	10.2	52
36	Construction and Monitoring of Cement/Bentonite Cutoff Walls: Case Study of Karkheh Dam, Iran. *Studia Geotechnica Et Mechanica*, **2019**, 41, 184-199	1	3
35	Evaluation of peak and residual conditions of actively confined concrete using neuro-fuzzy and neural computing techniques. *Neural Computing and Applications*, **2018**, 29, 873-888	4.8	65
34	Effect of SnO 2 , ZrO 2 , and CaCO 3 nanoparticles on water transport and durability properties of self-compacting mortar containing fly ash: Experimental observations and ANFIS predictions. *Construction and Building Materials*, **2018**, 158, 823-834	6.7	48
33	Multi-project Time-cost Optimization in Critical Chain with Resource Constraints. *KSCE Journal of Civil Engineering*, **2018**, 22, 3738-3752	1.9	11
32	Prediction of compressive strength and ultrasonic pulse velocity of fiber reinforced concrete incorporating nano silica using heuristic regression methods. *Construction and Building Materials*, **2018**, 190, 479-494	6.7	38
31	Lateral Strain-To-Axial Strain Model for Concrete-Filled FRP Tube Columns Incorporating Interface Gap and Prestressed Confinement. *Journal of Composites for Construction*, **2017**, 21, 04017021	3.3	8
30	Influence of double hooked-end steel fibers and slag on mechanical and durability properties of high performance recycled aggregate concrete. *Composite Structures*, **2017**, 181, 273-284	5.3	123
29	Short-Term Mechanical Properties of Concrete Containing Recycled Polypropylene Coarse Aggregates under Ambient and Elevated Temperature. *Journal of Materials in Civil Engineering*, **2017**, 29, 04017191	3	21
28	New formulations for mechanical properties of recycled aggregate concrete using gene expression programming. *Construction and Building Materials*, **2017**, 130, 122-145	6.7	137

27	Modeling the behavior of FRP-confined concrete using dynamic harmony search algorithm. *Engineering With Computers*, **2017**, 33, 415-430	4.5	28
26	Revealing the dependence of the physiochemical and mechanical properties of cement composites on graphene oxide concentration. *RSC Advances*, **2017**, 7, 55148-55156	3.7	32
25	Evaluation of ultimate conditions of FRP-confined concrete columns using genetic programming. *Computers and Structures*, **2016**, 162, 28-37	4.5	52
24	Influence of overlap configuration on compressive behavior of CFRP-confined normal- and high-strength concrete. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 1245-1268	3.4	29
23	Use of recycled plastics in concrete: A critical review. *Waste Management*, **2016**, 51, 19-42	8.6	290
22	Predicting behavior of FRP-confined concrete using neuro fuzzy, neural network, multivariate adaptive regression splines and M5 model tree techniques. *Materials and Structures/Materiaux Et Constructions*, **2016**, 49, 4319-4334	3.4	67
21	High-performance fiber-reinforced concrete: a review. *Journal of Materials Science*, **2016**, 51, 6517-6551	4.3	231
20	Behavior of steel fiber-reinforced high-strength concrete-filled FRP tube columns under axial compression. *Engineering Structures*, **2015**, 90, 158-171	4.7	96
19	Mechanical and durability properties of high-strength concrete containing steel and polypropylene fibers. *Construction and Building Materials*, **2015**, 94, 73-82	6.7	335
18	Lateral Strain-to-Axial Strain Relationship of Confined Concrete. *Journal of Structural Engineering*, **2015**, 141, 04014141	3	93
17	Investigation of the Influence of the Application Path of Confining Pressure: Tests on Actively Confined and FRP-Confined Concretes. *Journal of Structural Engineering*, **2015**, 141, 04014203	3	61
16	FRP□HSC□teel composite columns: behavior under monotonic and cyclic axial compression. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 1075-1093	3.4	54
15	Unified Stress-Strain Model for FRP and Actively Confined Normal-Strength and High-Strength Concrete. *Journal of Composites for Construction*, **2015**, 19, 04014072	3.3	67
14	Influence of Slenderness on Stress-Strain Behavior of Concrete-Filled FRP Tubes: Experimental Study. *Journal of Composites for Construction*, **2015**, 19, 04014029	3.3	38
13	Hoop strains in FRP-confined concrete columns: experimental observations. *Materials and Structures/Materiaux Et Constructions*, **2015**, 48, 2839-2854	3.4	92
12	Influence of coal ash properties on compressive behaviour of FA- and BA-based GPC. *Magazine of Concrete Research*, **2015**, 67, 1301-1314	2	25
11	Behavior of FRP-HSC-Steel Double-Skin Tubular Columns under Cyclic Axial Compression. *Journal of Composites for Construction*, **2015**, 19, 04014041	3.3	23
10	Compressive Behavior of Prestressed High-Strength Concrete-Filled Aramid FRP Tube Columns: Experimental Observations. *Journal of Composites for Construction*, **2015**, 19, 04015003	3.3	54

9	Axial Compressive Behavior of Circular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2014**, 18, 04013037	3.3	114
8	Axial Compressive Behavior of FRP-Concrete-Steel Double-Skin Tubular Columns Made of Normal- and High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013027	3.3	79
7	Confinement Model for FRP-Confined High-Strength Concrete. *Journal of Composites for Construction*, **2014**, 18, 04013058	3.3	138
6	Design model for FRP-confined normal- and high-strength concrete square and rectangular columns. *Magazine of Concrete Research*, **2014**, 66, 1020-1035	2	80
5	Seismic Behavior of FRP-High-Strength Concrete-Steel Double-Skin Tubular Columns. *Journal of Structural Engineering*, **2014**, 140, 04014019	3	91
4	Axial Compressive Behavior of Square and Rectangular High-Strength Concrete-Filled FRP Tubes. *Journal of Composites for Construction*, **2013**, 17, 151-161	3.3	122
3	Seismic Behavior of High-Strength Concrete-Filled FRP Tube Columns. *Journal of Composites for Construction*, **2013**, 17, 04013013	3.3	91
2	Concrete-Filled FRP Tubes: Manufacture and Testing of New Forms Designed for Improved Performance. *Journal of Composites for Construction*, **2013**, 17, 280-291	3.3	59
1	Behavior of FRP-Confined Normal- and High-Strength Concrete under Cyclic Axial Compression. *Journal of Composites for Construction*, **2012**, 16, 451-463	3.3	203