

Payam Hosseini

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,351
citations

567144

15
h-index

677027

22
g-index

23
all docs

23
docs citations

23
times ranked

1119
citing authors

#	ARTICLE	IF	CITATIONS
1	Mechanical performance of self-compacting concrete reinforced with steel fibers. <i>Construction and Building Materials</i> , 2014, 51, 179-186.	3.2	239
2	Influence of different types of nano-SiO ₂ particles on properties of high-performance concrete. <i>Construction and Building Materials</i> , 2016, 113, 188-201.	3.2	208
3	Improving the performance of cement-based composites containing superabsorbent polymers by utilization of nano-SiO ₂ particles. <i>Materials & Design</i> , 2012, 42, 94-101.	5.1	114
4	Interactions between superabsorbent polymers and cement-based composites incorporating colloidal silica nanoparticles. <i>Cement and Concrete Composites</i> , 2013, 37, 196-204.	4.6	113
5	Designing sustainable concrete mixture by developing a new machine learning technique. <i>Journal of Cleaner Production</i> , 2020, 258, 120578.	4.6	88
6	REDUCTION OF CEMENT CONSUMPTION BY THE AID OF SILICA NANO-PARTICLES (INVESTIGATION ON) Tj ETQq0 0,0 rgBT /Overlock 10	1.9	81
7	Developing Concrete Recycling Strategies by Utilization of Nano-SiO ₂ Particles. <i>Waste and Biomass Valorization</i> , 2011, 2, 347-355.	1.8	77
8	Effect of nano-particles and aminosilane interaction on the performances of cement-based composites: An experimental study. <i>Construction and Building Materials</i> , 2014, 66, 113-124.	3.2	72
9	Influence of Nano-SiO ₂ Addition on Microstructure and Mechanical Properties of Cement Mortars for Ferrocement. <i>Transportation Research Record</i> , 2010, 2141, 15-20.	1.0	58
10	Production of waste bio-fiber cement-based composites reinforced with nano-SiO ₂ particles as a substitute for asbestos cement composites. <i>Construction and Building Materials</i> , 2012, 31, 105-111.	3.2	57
11	Investigating the mechanical and fatigue properties of sustainable cement emulsified asphalt mortar. <i>Journal of Cleaner Production</i> , 2017, 156, 717-728.	4.6	52
12	Effects of nano-clay particles on the short-term properties of self-compacting concrete. <i>European Journal of Environmental and Civil Engineering</i> , 2017, 21, 127-147.	1.0	42
13	Mechanical properties of fiber-reinforced high-performance concrete incorporating pyrogenic nanosilica with different surface areas. <i>Construction and Building Materials</i> , 2015, 101, 130-140.	3.2	41
14	Intermediate temperature fracture resistance evaluation of cement emulsified asphalt mortar. <i>Construction and Building Materials</i> , 2019, 197, 1-11.	3.2	37
15	Three-dimensional electrical capacitance tomography “A tool for characterizing moisture transport properties of cement-based materials. <i>Materials and Design</i> , 2019, 181, 107967.	3.3	31
16	Influence of Two Types of Nanosilica Hydrosols on Short-Term Properties of Sustainable White Portland Cement Mortar. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, .	1.3	14
17	A novel evolutionary learning to prepare sustainable concrete mixtures with supplementary cementitious materials. <i>Environment, Development and Sustainability</i> , 2023, 25, 5831-5865.	2.7	11
18	Developing green cement paste using binary and ternary cementitious blends of low pozzolanic sewage sludge ash and colloidal nanosilica (short-term properties). <i>Asian Journal of Civil Engineering</i> , 2018, 19, 501-511.	0.8	4

#	ARTICLE	IF	CITATIONS
19	Assessment of Mitigation Measures against Benzene Breakthrough into Subsurface Concrete Pipe. Journal of Pipeline Systems Engineering and Practice, 2021, 12, 04020064.	0.9	4
20	Degradation Model for the Tensile Strength of PVC and Rubber Gasket Materials Exposed to Benzene and PCE-Saturated Aqueous Solutions. Transportation Research Record, 2020, 2674, 274-283.	1.0	3
21	Factors Affecting Multiphase Benzene Breakthrough into Drainage Concrete Pipe in the Unsaturated Subsurface Profile. Journal of Pipeline Systems Engineering and Practice, 2021, 12, .	0.9	3
22	Properties of nanosilica-reinforced green architectural cement composites incorporating ground granulated blast furnace slag with low activity. European Journal of Environmental and Civil Engineering, 2020, 24, 1901-1920.	1.0	2
23	Effects of MgSO ₄ on Calcium-Silicate-Hydrate. Advances in Civil Engineering Materials, 2021, 10, 440-452.	0.2	0