

kiachehr Behfarnia

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,615
citations

430442

18
h-index

329751

37
g-index

38
all docs

38
docs citations

38
times ranked

1261
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of nano-silica and nano-alumina on frost resistance of normal concrete. Construction and Building Materials, 2013, 48, 580-584.	3.2	191
2	The effect of silica fume on durability of alkali activated slag concrete. Construction and Building Materials, 2017, 134, 262-268.	3.2	174
3	Application of high performance polypropylene fibers in concrete lining of water tunnels. Materials & Design, 2014, 55, 274-279.	5.1	147
4	The effects of nano particles on freeze and thaw resistance of alkali-activated slag concrete. Construction and Building Materials, 2018, 176, 172-178.	3.2	116
5	Effects of micro and nanoparticles of SiO ₂ on the permeability of alkali activated slag concrete. Construction and Building Materials, 2017, 131, 205-213.	3.2	115
6	Effect of nano-particles on durability of fiber-reinforced concrete pavement. Construction and Building Materials, 2013, 48, 934-941.	3.2	109
7	An assessment on parameters affecting the carbonation of alkali-activated slag concrete. Journal of Cleaner Production, 2017, 157, 1-9.	4.6	82
8	Application of alkali-activated slag concrete in railway sleepers. Materials & Design, 2015, 69, 89-95.	5.1	79
9	Mechanical properties of Portland cement mortar containing multi-walled carbon nanotubes at elevated temperatures. Construction and Building Materials, 2018, 176, 482-489.	3.2	79
10	Abrasion resistance of alkali-activated slag concrete designed by Taguchi method. Construction and Building Materials, 2015, 98, 792-798.	3.2	67
11	The Effect of Alkali Concentration and Sodium Silicate Modulus on the Properties of Alkali-Activated Slag Concrete. Journal of Advanced Concrete Technology, 2018, 16, 293-305.	0.8	62
12	The effects of pozzolanic binders and polypropylene fibers on durability of SCC to magnesium sulfate attack. Construction and Building Materials, 2013, 38, 64-71.	3.2	59
13	The effect of elevated temperature on the residual tensile strength and physical properties of the alkali-activated slag concrete. Journal of Building Engineering, 2018, 20, 442-454.	1.6	49
14	Mechanical Properties and Durability of Fiber Reinforced Alkali Activated Slag Concrete. Journal of Materials in Civil Engineering, 2017, 29, .	1.3	41
15	Influence of recycled concrete aggregates on alkali-activated slag mortar exposed to elevated temperatures. Journal of Building Engineering, 2019, 26, 100871.	1.6	27
16	Reduction of Urban Storm-Runoff Pollution Using Porous Concrete Containing Iron Slag Adsorbent. Journal of Environmental Engineering, ASCE, 2016, 142, .	0.7	23
17	Drying shrinkage of one-part alkali-activated slag concrete. Journal of Building Engineering, 2022, 51, 104263.	1.6	22
18	Effects of the combined usage of micro and nano-silica on the drying shrinkage and compressive strength of the self-compacting concrete. Journal of Sustainable Cement-Based Materials, 2021, 10, 92-110.	1.7	20

#	ARTICLE	IF	CITATIONS
19	The effect of curing period on the residual strength of Portland cement mortar containing MWCNTs at elevated temperature. <i>Construction and Building Materials</i> , 2019, 196, 144-153.	3.2	16
20	Treatment of urban storm water using adsorbent porous concrete. <i>Water Management</i> , 2018, 171, 328-334.	0.4	14
21	Investigation on the Mechanical Properties and Microstructure of Eco-friendly Mortar Containing WGP at Elevated Temperature. <i>International Journal of Concrete Structures and Materials</i> , 2021, 15, .	1.4	14
22	Shear strength of reinforced concrete deep beams containing recycled concrete aggregate and recycled asphalt pavement. <i>Construction and Building Materials</i> , 2022, 314, 125597.	3.2	14
23	The effect of the blaine fineness on the mechanical properties of the alkali-activated slag cement. <i>Journal of Building Engineering</i> , 2019, 26, 100897.	1.6	13
24	Water penetration resistance of the self-compacting concrete by the combined addition of micro and nano-silica. <i>Asian Journal of Civil Engineering</i> , 2021, 22, 1-12.	0.8	10
25	Mix Design Effects on the Durability of Alkali-Activated Slag Concrete in a Hydrochloric Acid Environment. <i>Sustainability</i> , 2021, 13, 8096.	1.6	10
26	The Effect of Alkaline Solution-to-Slag Ratio on Permeability of Alkali Activated Slag Concrete. <i>International Journal of Civil Engineering</i> , 2018, 16, 897-904.	0.9	8
27	Effect of Micro-Silica Addition into Electric Arc Furnace Steel Slag Eco-Efficient Concrete. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 4893.	1.3	8
28	The new proposed details for moment resisting connections of steel beam to continuous concrete column. <i>Advances in Structural Engineering</i> , 2016, 19, 156-169.	1.2	7
29	Application of alkali-activated slag in roller compacted concrete. <i>International Journal of Pavement Research and Technology</i> , 2020, 13, 324-333.	1.3	7
30	A numerical study on behavior of CFRP strengthened shear wall with opening. <i>Computers and Concrete</i> , 2017, 19, 179-189.	0.7	7
31	Evaluation of the effects of nanomaterials on durability of engineered cementitious composites exposed to the aggressive environment. <i>Journal of Composite Materials</i> , 2020, 54, 1807-1817.	1.2	6
32	Evaluation of mechanical and durability properties of engineered cementitious composites exposed to sulfate attack and freeze-thaw cycle. <i>Asian Journal of Civil Engineering</i> , 2021, 22, 417-429.	0.8	6
33	Numerical investigation of RC deep beams containing recycled aggregates. <i>Construction and Building Materials</i> , 2022, 324, 126713.	3.2	4
34	Void characteristics and mechanical strength of cementitious mortars containing multi-walled carbon nanotubes. <i>Journal of Composite Materials</i> , 2020, 54, 2283-2295.	1.2	3
35	Performance of reinforced self-consolidating concrete beam-column joints with headed bars subjected to pseudo-static cyclic loading. <i>Ain Shams Engineering Journal</i> , 2020, 11, 751-765.	3.5	3
36	An Experimental Study of Beam-Column Joints with Closely Spaced Headed Bars and Self-Consolidating Concrete. <i>KSCE Journal of Civil Engineering</i> , 2020, 24, 2458-2476.	0.9	1

#	ARTICLE	IF	CITATIONS
37	Improving the Flexural Behavior of Eco-Friendly Strain Hardening Cementitious Composites Made of PP and Unoiled PVA. Arabian Journal for Science and Engineering, 2022, 47, 13199-13227.	1.7	1