

Ibrahim Turkmen

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

31 papers	951 citations	17 h-index	30 g-index
32 ext. papers	1,159 ext. citations	4.1 avg, IF	4.41 L-index

#	Paper	IF	Citations
31	Relationship between ultrasonic velocity and compressive strength for high-volume mineral-admixed concrete. <i>Cement and Concrete Research</i> , 2004 , 34, 2329-2336	10.3	211
30	Mechanical properties and setting time of ferrochrome slag based geopolymer paste and mortar. <i>Construction and Building Materials</i> , 2014 , 72, 283-292	6.7	77
29	The influence of lightweight aggregate on the physico-mechanical properties of concrete exposed to freeze-thaw cycles. <i>Cold Regions Science and Technology</i> , 2010 , 60, 51-56	3.8	71
28	Sulfate resistance of ferrochrome slag based geopolymer concrete. <i>Ceramics International</i> , 2016 , 42, 1254-1260	5.1	59
27	Effects of expanded perlite aggregate and different curing conditions on the physical and mechanical properties of self-compacting concrete. <i>Building and Environment</i> , 2007 , 42, 2378-2383	6.5	53
26	A Taguchi approach for investigation of some physical properties of concrete produced from mineral admixtures. <i>Building and Environment</i> , 2008 , 43, 1127-1137	6.5	53
25	Thermo-mechanical properties of concrete containing high-volume mineral admixtures. <i>Building and Environment</i> , 2007 , 42, 349-354	6.5	49
24	Influence of different curing conditions on the physical and mechanical properties of concretes with admixtures of silica fume and blast furnace slag. <i>Materials Letters</i> , 2003 , 57, 4560-4569	3.3	48
23	Thermo-mechanical properties of fiber reinforced raw perlite concrete. <i>Materials Letters</i> , 2007 , 61, 5145-5149	3.3	37
22	Calculation of radiation attenuation coefficients in Portland cements mixed with silica fume, blast furnace slag and natural zeolite. <i>Annals of Nuclear Energy</i> , 2008 , 35, 1937-1943	1.7	35
21	Fire resistance of geopolymer concrete produced from Elazığ ferrochrome slag. <i>Fire and Materials</i> , 2016 , 40, 836-847	1.8	28
20	A study of photon interaction in some building materials: High-volume admixture of blast furnace slag into Portland cement. <i>Radiation Physics and Chemistry</i> , 2009 , 78, 751-759	2.5	27
19	The improvement of mechanical, physical and durability characteristics of volcanic tuff based geopolymer concrete by using nano silica, micro silica and Styrene-Butadiene Latex additives at different ratios. <i>Construction and Building Materials</i> , 2019 , 201, 257-267	6.7	27
18	Determination by the taguchi method of optimum conditions for mechanical properties of high strength concrete with admixtures of silica fume and blast furnace slag. <i>Civil Engineering and Environmental Systems</i> , 2003 , 20, 105-118	2.1	24
17	Modeling with ANN and effect of pumice aggregate and air entrainment on the freeze-thaw durabilities of HSC. <i>Construction and Building Materials</i> , 2011 , 25, 4241-4249	6.7	23
16	Optimization of production parameters of geopolymer mortar and concrete: A comprehensive experimental study. <i>Construction and Building Materials</i> , 2019 , 228, 116770	6.7	21
15	Influence of mineral admixtures on the mechanical properties and corrosion of steel embedded in high strength concrete. <i>Materials Letters</i> , 2003 , 57, 2037-2043	3.3	18

14	Several properties of mineral admixed lightweight mortars at elevated temperatures. <i>Fire and Materials</i> , 2013 , 37, 337-349	1.8	17
13	The mechanical and physical properties of unfired earth bricks stabilized with gypsum and Elazığ Ferrochrome slag. <i>International Journal of Sustainable Built Environment</i> , 2017 , 6, 565-573		14
12	Influence of mineral admixtures on the some properties and corrosion of steel embedded in sodium sulfate solution of concrete. <i>Materials Letters</i> , 2003 , 57, 3222-3233	3.3	14
11	Improving elevated temperature performance of geopolymer concrete utilizing nano-silica, micro-silica and styrene-butadiene latex. <i>Construction and Building Materials</i> , 2021 , 286, 122980	6.7	11
10	A study of chemical composition and radiation attenuation properties in clinoptilolite-rich natural zeolite from Turkey. <i>Radiation Physics and Chemistry</i> , 2010 , 79, 1120-1126	2.5	9
9	The effects of different cement dosages, slumps and pumice aggregate ratios on the freezing and thawing of concrete. <i>Computers and Concrete</i> , 2006 , 3, 163-175		9
8	Properties of pumice aggregate concretes at elevated temperatures and comparison with ANN models. <i>Fire and Materials</i> , 2017 , 41, 142-153	1.8	8
7	Effect of expanded perlite aggregate on cyclic thermal loading of HSC and artificial neural network modeling. <i>Scientia Iranica</i> , 2012 , 19, 41-50	1.5	3
6	Influence of various factors on properties of geopolymer paste: A comparative study. <i>Structural Concrete</i> , 2021 , 22, E315	2.6	2
5	Mechanical properties and setting time of geopolymer paste and mortar produced from ferrochrome slag 2013 ,		1
4	Fire resistance of geopolymer concrete produced from Ferrochrome slag by alkali activation method 2013 ,		1
3	Prediction of compressive strength and ultrasonic pulse velocity of admixed concrete using tree model M5P. <i>Structural Concrete</i> , 2021 , 22, E800	2.6	1
2	Performance of self-healing geopolymer paste produced using <i>Bacillus subtilis</i> . <i>Construction and Building Materials</i> , 2022 , 325, 126837	6.7	0
1	Optimization of production parameters of alkali-activated concrete 2022 , 89-106		