

Mehmet Gesoglu

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,154
citations

71061

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times ranked

3043
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of the artificial lightweight aggregate on fresh properties and compressive strength of the self-compacting mortars. <i>Construction and Building Materials</i> , 2016, 116, 151-158.	3.2	29
2	Effect of nano silica on the workability of self-compacting concretes having untreated and surface treated lightweight aggregates. <i>Construction and Building Materials</i> , 2016, 115, 371-380.	3.2	54
3	Assessment of shear capacity of adhesive anchors for structures using neural network based model. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 1065-1077.	1.3	17
4	Effect of different substitution of natural aggregate by recycled aggregate on performance characteristics of pervious concrete. <i>Materials and Structures/Materiaux Et Constructions</i> , 2016, 49, 521-536.	1.3	89
5	Properties of low binder ultra-high performance cementitious composites: Comparison of nanosilica and microsilica. <i>Construction and Building Materials</i> , 2016, 102, 706-713.	3.2	107
6	The effect of aggregates with high gypsum content on the performance of ultra-high strength concretes and Portland cement mortars. <i>Construction and Building Materials</i> , 2016, 110, 346-354.	3.2	24
7	Combined Use of Natural and Artificial Slag Aggregates in Producing Self-Consolidating Concrete. <i>ACI Materials Journal</i> , 2016, 113, .	0.3	1
8	Durability and Shrinkage Characteristics of Self-Compacting Concretes Containing Recycled Coarse and/or Fine Aggregates. <i>Advances in Materials Science and Engineering</i> , 2015, 2015, 1-18.	1.0	29
9	Influence of waste rubber utilization on the fracture and steel-concrete bond strength properties of concrete. <i>Construction and Building Materials</i> , 2015, 101, 1113-1121.	3.2	99
10	Shear thickening intensity of self-compacting concretes containing rounded lightweight aggregates. <i>Construction and Building Materials</i> , 2015, 79, 40-47.	3.2	34
11	Properties of ultra-high performance fiber reinforced cementitious composites made with gypsum-contaminated aggregates and cured at normal and elevated temperatures. <i>Construction and Building Materials</i> , 2015, 93, 427-438.	3.2	14
12	Fresh and rheological behavior of nano-silica and fly ash blended self-compacting concrete. <i>Construction and Building Materials</i> , 2015, 95, 29-44.	3.2	114
13	Fracture behavior and mechanical properties of concrete with artificial lightweight aggregate and steel fiber. <i>Construction and Building Materials</i> , 2015, 84, 156-168.	3.2	70
14	Failure characteristics of self-compacting concretes made with recycled aggregates. <i>Construction and Building Materials</i> , 2015, 98, 334-344.	3.2	101
15	Physico-mechanical properties of self-compacting concrete containing treated cold-bonded fly ash lightweight aggregates and SiO ₂ nano-particles. <i>Construction and Building Materials</i> , 2015, 101, 1142-1153.	3.2	21
16	Numerical modeling of time to corrosion induced cover cracking in reinforced concrete using soft-computing based methods. <i>Materials and Structures/Materiaux Et Constructions</i> , 2015, 48, 1739-1756.	1.3	19
17	Utilization of cold bonded fly ash lightweight fine aggregates as a partial substitution of natural fine aggregate in self-compacting mortars. <i>Construction and Building Materials</i> , 2015, 74, 9-16.	3.2	38
18	Strength and permeability properties of self-compacting concrete with cold bonded fly ash lightweight aggregate. <i>Construction and Building Materials</i> , 2015, 74, 17-24.	3.2	79

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19	Permeation characteristics of self compacting concrete made with partially substitution of natural aggregates with rounded lightweight aggregates. <i>Construction and Building Materials</i> , 2014, 59, 1-9.	3.2	37
20	Effect of volcanic pumice powder on the fresh properties of self-compacting concretes with and without silica fume. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 1857-1865.	1.3	27
21	Permeability properties of concretes with high reactivity metakaolin and calcined impure kaolin. <i>Materials and Structures/Materiaux Et Constructions</i> , 2014, 47, 709-728.	1.3	23
22	Combined effect of steel fiber and metakaolin incorporation on mechanical properties of concrete. <i>Composites Part B: Engineering</i> , 2014, 56, 83-91.	5.9	78
23	Optimization of concrete mixture with hybrid blends of metakaolin and fly ash using response surface method. <i>Composites Part B: Engineering</i> , 2014, 60, 707-715.	5.9	70
24	Effect of surface treatment methods on the properties of self-compacting concrete with recycled aggregates. <i>Construction and Building Materials</i> , 2014, 64, 172-183.	3.2	141
25	Investigating properties of pervious concretes containing waste tire rubbers. <i>Construction and Building Materials</i> , 2014, 63, 206-213.	3.2	147
26	Abrasion and freezing/thawing resistance of pervious concretes containing waste rubbers. <i>Construction and Building Materials</i> , 2014, 73, 19-24.	3.2	157
27	Modeling and analysis of the shear capacity of adhesive anchors post-installed into uncracked concrete. <i>Composites Part B: Engineering</i> , 2014, 60, 716-724.	5.9	29
28	Self-consolidating characteristics of concrete composites including rounded fine and coarse fly ash lightweight aggregates. <i>Composites Part B: Engineering</i> , 2014, 60, 757-763.	5.9	44
29	Enhancement of shrinkage behavior of lightweight aggregate concretes by shrinkage reducing admixture and fiber reinforcement. <i>Construction and Building Materials</i> , 2014, 54, 91-98.	3.2	43
30	Experimental investigation on durability performance of rubberized concrete. <i>Advances in Concrete Construction</i> , 2014, 2, 193-207.	0.4	20
31	Effect of steel fiber addition and aspect ratio on bond strength of cold-bonded fly ash lightweight aggregate concretes. <i>Construction and Building Materials</i> , 2013, 47, 358-365.	3.2	61
32	Effect of silica fume and steel fiber on the mechanical properties of the concretes produced with cold bonded fly ash aggregates. <i>Construction and Building Materials</i> , 2013, 40, 982-990.	3.2	47
33	Experimental evaluation and modeling of drying shrinkage behavior of metakaolin and calcined kaolin blended concretes. <i>Construction and Building Materials</i> , 2013, 43, 337-347.	3.2	22
34	Strength and transport properties of steam cured and water cured lightweight aggregate concretes. <i>Construction and Building Materials</i> , 2013, 49, 417-424.	3.2	43
35	Durability aspect of concretes composed of cold bonded and sintered fly ash lightweight aggregates. <i>Composites Part B: Engineering</i> , 2013, 53, 258-266.	5.9	86
36	Corrosion behavior of reinforcing steel embedded in chloride contaminated concretes with and without metakaolin. <i>Composites Part B: Engineering</i> , 2013, 45, 1288-1295.	5.9	76

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37	Microstructural properties and pozzolanic activity of calcined kaolins as supplementary cementing materials. Canadian Journal of Civil Engineering, 2012, 39, 1274-1284.	0.7	29
38	Strength development of concretes incorporated with metakaolin and different types of calcined kaolins. Construction and Building Materials, 2012, 37, 766-774.	3.2	70
39	Fresh and hardened characteristics of self compacting concretes made with combined use of marble powder, limestone filler, and fly ash. Construction and Building Materials, 2012, 37, 160-170.	3.2	201
40	Recycling ground granulated blast furnace slag as cold bonded artificial aggregate partially used in self-compacting concrete. Journal of Hazardous Materials, 2012, 235-236, 352-358.	6.5	82
41	Fresh properties of self-compacting cold bonded fly ash lightweight aggregate concrete with different mineral admixtures. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1849-1859.	1.3	46
42	Properties of lightweight aggregates produced with cold-bonding pelletization of fly ash and ground granulated blast furnace slag. Materials and Structures/Materiaux Et Constructions, 2012, 45, 1535-1546.	1.3	96
43	Strength, permeability and shrinkage cracking of silica fume and metakaolin concretes. Construction and Building Materials, 2012, 34, 120-130.	3.2	232
44	Transport properties based multi-objective mix proportioning optimization of high performance concretes. Materials and Structures/Materiaux Et Constructions, 2011, 44, 139-154.	1.3	26
45	Properties of self-compacting portland pozzolana and limestone blended cement concretes containing different replacement levels of slag. Materials and Structures/Materiaux Et Constructions, 2011, 44, 1399-1410.	1.3	28
46	Examining the electrical properties of plain and blended cement concretes: Relationship between charge passed and initial current. Composites Part B: Engineering, 2011, 42, 1517-1524.	5.9	4
47	Permeability properties of self-compacting rubberized concretes. Construction and Building Materials, 2011, 25, 3319-3326.	3.2	110
48	Modeling the mechanical properties of rubberized concretes by neural network and genetic programming. Materials and Structures/Materiaux Et Constructions, 2010, 43, 31-45.	1.3	28
49	Influence of steam curing on the properties of concretes incorporating metakaolin and silica fume. Materials and Structures/Materiaux Et Constructions, 2010, 43, 1123-1134.	1.3	37
50	Strength and drying shrinkage properties of self-compacting concretes incorporating multi-system blended mineral admixtures. Construction and Building Materials, 2010, 24, 1878-1887.	3.2	164
51	Strength Deterioration of Plain and Metakaolin Concretes in Aggressive Sulfate Environments. Journal of Materials in Civil Engineering, 2010, 22, 403-407.	1.3	33
52	Estimation of chloride permeability of concretes by empirical modeling: Considering effects of cement type, curing condition and age. Construction and Building Materials, 2009, 23, 469-481.	3.2	42
53	Properties of self-compacting concretes made with binary, ternary, and quaternary cementitious blends of fly ash, blast furnace slag, and silica fume. Construction and Building Materials, 2009, 23, 1847-1854.	3.2	294
54	Evaluating and forecasting the initial and final setting times of self-compacting concretes containing mineral admixtures by neural network. Materials and Structures/Materiaux Et Constructions, 2009, 42, 469-484.	1.3	37

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55	Effects of marble powder and slag on the properties of self compacting mortars. Materials and Structures/Materiaux Et Constructions, 2009, 42, 813-826.	1.3	48
56	Empirical modeling of fresh and hardened properties of self-compacting concretes by genetic programming. Construction and Building Materials, 2008, 22, 1831-1840.	3.2	39
57	A study on durability properties of high-performance concretes incorporating high replacement levels of slag. Materials and Structures/Materiaux Et Constructions, 2008, 41, 479-493.	1.3	127
58	Improving strength, drying shrinkage, and pore structure of concrete using metakaolin. Materials and Structures/Materiaux Et Constructions, 2008, 41, 937-949.	1.3	219
59	Properties of self-compacting mortars with binary and ternary cementitious blends of fly ash and metakaolin. Materials and Structures/Materiaux Et Constructions, 2008, 41, 1519-1531.	1.3	87
60	Effects of fly ash properties on characteristics of cold-bonded fly ash lightweight aggregates. Construction and Building Materials, 2007, 21, 1869-1878.	3.2	93
61	Effects of mineral admixtures on fresh and hardened properties of self-compacting concretes: binary, ternary and quaternary systems. Materials and Structures/Materiaux Et Constructions, 2007, 40, 923-937.	1.3	122
62	Prediction of load-carrying capacity of adhesive anchors by soft computing techniques. Materials and Structures/Materiaux Et Constructions, 2007, 40, 939-951.	1.3	12
63	Strength development and chloride penetration in rubberized concretes with and without silica fume. Materials and Structures/Materiaux Et Constructions, 2007, 40, 953-964.	1.3	141
64	Effects of cold-bonded fly ash aggregate properties on the shrinkage cracking of lightweight concretes. Cement and Concrete Composites, 2006, 28, 598-605.	4.6	55
65	A study on reinforcement corrosion and related properties of plain and blended cement concretes under different curing conditions. Cement and Concrete Composites, 2005, 27, 449-461.	4.6	81
66	Shrinkage cracking of lightweight concrete made with cold-bonded fly ash aggregates. Cement and Concrete Research, 2004, 34, 1121-1130.	4.6	106
67	Properties of rubberized concretes containing silica fume. Cement and Concrete Research, 2004, 34, 2309-2317.	4.6	340
68	Effects of end conditions on compressive strength and static elastic modulus of very high strength concrete. Cement and Concrete Research, 2002, 32, 1545-1550.	4.6	35