

Ä°lker Bekir TopÄsu

List of Publications by Year in descending order

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99
papers

6,623
citations

76031

42
h-index

73587

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99
all docs

99
docs citations

99
times ranked

4794
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of high temperature on the mechanical behavior of cement-bonded wood composite produced with wood waste. Challenge Journal of Structural Mechanics, 2021, 7, 42.	0.2	1
2	Properties of geopolymers produced with sugar press filter waste and fly ash under certain curing conditions. Journal of Building Engineering, 2021, 44, 102938.	1.6	3
3	Effect of carbon black on electrical curing of fresh concrete for cold regions. Construction and Building Materials, 2020, 247, 118572.	3.2	21
4	Properties of corrosion inhibitors on reinforced concrete. Journal of Structural Engineering & Applied Mechanics, 2020, 3, 93-109.	0.2	16
5	An investigation on the properties of woodcrete exposed to high temperature. Challenge Journal of Concrete Research Letters, 2020, 11, 105.	0.1	0
6	Experimental investigation of utilizing chemical additives and new generation corrosion inhibitors on reinforced concrete. Research on Engineering Structures and Materials, 2020, , .	0.2	2
7	Electrical and mechanical properties of historical mortars in Bursa/Turkey. , 2019, 18, 54-67.		1
8	Properties of High Content Ground Granulated Blast Furnace Slag Concrete. Lecture Notes in Civil Engineering, 2018, , 114-126.	0.3	1
9	Pozzolanic effect of andesite waste powder on mechanical properties of high strength concrete. Construction and Building Materials, 2018, 165, 494-503.	3.2	34
10	Electrical Curing Application on Cement-based Mortar with Different Stress Intensity. Lecture Notes in Civil Engineering, 2018, , 462-468.	0.3	1
11	A Review on the Effect of Environmental Conditions on Concrete Evaporation and Bleeding. Lecture Notes in Civil Engineering, 2018, , 413-426.	0.3	1
12	Properties of Mortars Produced with PKF Press Filter Waste. Lecture Notes in Civil Engineering, 2018, , 347-360.	0.3	0
13	Strength-Maturity Relations of Concrete for Different Cement Types. Lecture Notes in Civil Engineering, 2018, , 435-443.	0.3	1
14	Effect of Hyper-plasticizer Additive Rates on the Properties of Polypropylene Fibre Tempered Concretes. Lecture Notes in Civil Engineering, 2018, , 309-320.	0.3	0
15	Use of Waste Concrete in Cement Production. Lecture Notes in Civil Engineering, 2018, , 321-330.	0.3	0
16	Effects of bottom ash and granulated blast furnace slag as fine aggregate on abrasion resistance of concrete. Science and Engineering of Composite Materials, 2017, 24, 261-269.	0.6	21
17	Investigation and recycling of paint sludge with cement and lime for producing lightweight construction mortar. Journal of Environmental Chemical Engineering, 2017, 5, 861-869.	3.3	21
18	Electrical Resistivity of Fly Ash Blended Cement Paste at Hardening Stage. Medziagotyra, 2016, 22, .	0.1	2

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19	Effect of admixture ratio and aggregate type on self-leveling screed properties. Construction and Building Materials, 2016, 116, 321-325.	3.2	25
20	Effect of high dosage lignosulphonate and naphthalene sulphonate based plasticizer usage on micro concrete properties. Construction and Building Materials, 2016, 120, 189-197.	3.2	47
21	Prediction of restrained shrinkage crack widths of slag mortar composites by Takagi and Sugeno ANFIS models. Neural Computing and Applications, 2016, 27, 2523-2536.	3.2	22
22	Properties of mortars with fly ash as fine aggregate. Construction and Building Materials, 2015, 93, 782-789.	3.2	84
23	Improvement of Khorasan mortar with fly ash for restoration of historical buildings. Science and Engineering of Composite Materials, 2014, 21, .	0.6	3
24	Use of waste marble and recycled aggregates in self-compacting concrete for environmental sustainability. Journal of Cleaner Production, 2014, 84, 691-700.	4.6	140
25	Durability and microstructure characteristics of alkali activated coal bottom ash geopolymer cement. Journal of Cleaner Production, 2014, 81, 211-217.	4.6	121
26	ESTIMATION OF OPTIMUM FILTER CAKE IN PRODUCTION OF IMPERMEABLE LAYER USING FUZZY LOGIC. Environmental Engineering and Management Journal, 2014, 13, 353-360.	0.2	0
27	Bond strength of polymer lightweight aggregate concrete. Polymer Composites, 2013, 34, 2125-2132.	2.3	14
28	The effect of ground granulated blast-furnace slag on properties of Horasan mortar. Construction and Building Materials, 2013, 40, 448-454.	3.2	22
29	Using ANN and ANFIS to predict the mechanical and chloride permeability properties of concrete containing GGBFS and CNI. Composites Part B: Engineering, 2013, 45, 688-696.	5.9	84
30	Effect of aggregate type on linear thermal expansion of self-consolidating concrete at elevated temperatures. Science and Engineering of Composite Materials, 2012, 19, 259-269.	0.6	4
31	Effect of blended cements with natural zeolite and industrial by-products on rebar corrosion and high temperature resistance of concrete. Construction and Building Materials, 2012, 35, 906-911.	3.2	43
32	Electrical conductivity of setting cement paste with different mineral admixtures. Construction and Building Materials, 2012, 28, 414-420.	3.2	73
33	The effect of fly ash content and types of aggregates on the properties of pre-fabricated concrete interlocking blocks (PCIBs). Construction and Building Materials, 2012, 30, 180-187.	3.2	121
34	Influence of fly ash on corrosion resistance and chloride ion permeability of concrete. Construction and Building Materials, 2012, 31, 258-264.	3.2	108
35	Influence of cover thickness on the mechanical properties of steel bar in mortar exposed to high temperatures. Fire and Materials, 2011, 35, 93-103.	0.9	6
36	Strength estimation of unisothermally cured concretes with matrices. Construction and Building Materials, 2011, 25, 1455-1459.	3.2	3

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37	Modeling of some properties of the crushed tile concretes exposed to elevated temperatures. Construction and Building Materials, 2011, 25, 1883-1889.	3.2	26
38	Effect of blended cements produced with natural zeolite and industrial by-products on alkali-silica reaction and sulfate resistance of concrete. Construction and Building Materials, 2011, 25, 1789-1795.	3.2	86
39	Properties of geopolymer from circulating fluidized bed combustion coal bottom ash. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 1472-1477.	2.6	47
40	Influence of aggregate type on workability of self-consolidating lightweight concrete. Magazine of Concrete Research, 2011, 63, 1-12.	0.9	23
41	Effect of ground granulate blast-furnace slag on corrosion performance of steel embedded in concrete. Materials & Design, 2010, 31, 3358-3365.	5.1	59
42	Experimental investigation of drying shrinkage cracking of composite mortars incorporating crushed tile fine aggregate. Materials & Design, 2010, 31, 4088-4097.	5.1	40
43	Utilization of natural zeolite in aerated concrete production. Cement and Concrete Composites, 2010, 32, 1-8.	4.6	120
44	Estimation of the modulus of elasticity of slag concrete by using composite material models. Construction and Building Materials, 2010, 24, 741-748.	3.2	29
45	Effect of aggregate type on properties of hardened self-consolidating lightweight concrete (SCLC). Construction and Building Materials, 2010, 24, 1286-1295.	3.2	159
46	The role of scrap rubber particles on the drying shrinkage and mechanical properties of self-consolidating mortars. Construction and Building Materials, 2010, 24, 1141-1150.	3.2	91
47	The effect of elevated temperatures on corroded and uncorroded reinforcement embedded in mortar. Construction and Building Materials, 2010, 24, 2101-2107.	3.2	9
48	Effect of boron waste on the properties of mortar and concrete. Waste Management and Research, 2010, 28, 626-633.	2.2	18
49	Early strength gain of mortar with prehydration of the cements. Canadian Journal of Civil Engineering, 2010, 37, 125-130.	0.7	0
50	Analysis of Rubberized Concrete as a Three-phase Composite Material. Journal of Composite Materials, 2009, 43, 1251-1263.	1.2	21
51	Modeling corrosion currents of reinforced concrete using ANN. Automation in Construction, 2009, 18, 145-152.	4.8	55
52	Properties of the autoclaved aerated concrete produced from coal bottom ash. Journal of Materials Processing Technology, 2009, 209, 767-773.	3.1	168
53	Experimental investigation of some fresh and hardened properties of rubberized self-compacting concrete. Materials & Design, 2009, 30, 3056-3065.	5.1	138
54	Prediction of long-term effects of GGBFS on compressive strength of concrete by artificial neural networks and fuzzy logic. Construction and Building Materials, 2009, 23, 1279-1286.	3.2	121

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55	Effect of waste marble dust content as filler on properties of self-compacting concrete. <i>Construction and Building Materials</i> , 2009, 23, 1947-1953.	3.2	275
56	Thermal expansion of self-consolidating normal and lightweight aggregate concrete at elevated temperature. <i>Construction and Building Materials</i> , 2009, 23, 3063-3069.	3.2	95
57	Effects of Crushed RAP on Free and Restrained Shrinkage of Mortars. <i>International Journal of Concrete Structures and Materials</i> , 2009, 3, 91-95.	1.4	16
58	Predicting the strength development of cements produced with different pozzolans by neural network and fuzzy logic. <i>Materials & Design</i> , 2008, 29, 1986-1991.	5.1	53
59	Prediction of rubberized mortar properties using artificial neural network and fuzzy logic. <i>Journal of Materials Processing Technology</i> , 2008, 199, 108-118.	3.1	34
60	Effect of expanded perlite aggregate on the properties of lightweight concrete. <i>Journal of Materials Processing Technology</i> , 2008, 204, 34-38.	3.1	104
61	Prediction of rubberized concrete properties using artificial neural network and fuzzy logic. <i>Construction and Building Materials</i> , 2008, 22, 532-540.	3.2	120
62	The effect of cover thickness on rebars exposed to elevated temperatures. <i>Construction and Building Materials</i> , 2008, 22, 2053-2058.	3.2	10
63	Alkali-silica reactions of mortars produced by using waste glass as fine aggregate and admixtures such as fly ash and Li ₂ CO ₃ . <i>Waste Management</i> , 2008, 28, 878-884.	3.7	88
64	Prediction of compressive strength of concrete containing fly ash using artificial neural networks and fuzzy logic. <i>Computational Materials Science</i> , 2008, 41, 305-311.	1.4	387
65	Prediction of mechanical properties of recycled aggregate concretes containing silica fume using artificial neural networks and fuzzy logic. <i>Computational Materials Science</i> , 2008, 42, 74-82.	1.4	178
66	Relationship between methylene blue values of concrete aggregate fines and some concrete properties. <i>Canadian Journal of Civil Engineering</i> , 2008, 35, 379-383.	0.7	8
67	Determination of optimal microwave curing cycle for fly ash mortars. <i>Canadian Journal of Civil Engineering</i> , 2008, 35, 349-357.	0.7	11
68	Properties of Reinforced Concrete Steel Rebars Exposed to High Temperatures. <i>Research Letters in Materials Science</i> , 2008, 2008, 1-4.	0.2	43
69	Durability of Rubberized Mortar and Concrete. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 173-178.	1.3	111
70	Using the Maturity Method in Concrete Produced with Setting Agents. <i>Journal of Materials in Civil Engineering</i> , 2007, 19, 569-574.	1.3	2
71	A discussion of the paper "The maturity method: Modifications to improve estimation of concrete strength at later age" by Yahia A. Abdel-Jawad. <i>Construction and Building Materials</i> , 2007, 21, 1144-1148.	3.2	5
72	Effect of different fibers on the mechanical properties of concrete containing fly ash. <i>Construction and Building Materials</i> , 2007, 21, 1486-1491.	3.2	181

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73	Concrete cover effect on reinforced concrete bars exposed to high temperatures. Construction and Building Materials, 2007, 21, 1155-1160.	3.2	31
74	Manufacture of high heat conductivity resistant clay bricks containing perlite. Building and Environment, 2007, 42, 3540-3546.	3.0	105
75	Properties of autoclaved lightweight aggregate concrete. Building and Environment, 2007, 42, 4108-4116.	3.0	94
76	Effects of slag fineness on durability of mortars. Journal of Zhejiang University: Science A, 2007, 8, 1725-1730.	1.3	7
77	Prediction of properties of waste AAC aggregate concrete using artificial neural network. Computational Materials Science, 2007, 41, 117-125.	1.4	115
78	A discussion of the paper "Physico-mechanical properties of aerated cement composites containing shredded rubber waste" by A. Benazzouk, O. Douzane, K. Mezreb and M. Quaneudec. Cement and Concrete Composites, 2007, 29, 337-338.	4.6	1
79	Fine aggregate and curing temperature effect on concrete maturity. Cement and Concrete Research, 2005, 35, 758-762.	4.6	38
80	Alternative estimation of the modulus of elasticity for dam concrete. Cement and Concrete Research, 2005, 35, 2199-2202.	4.6	13
81	Properties of concrete containing waste glass. Cement and Concrete Research, 2004, 34, 267-274.	4.6	476
82	Influence of concrete properties on bleeding and evaporation. Cement and Concrete Research, 2004, 34, 275-281.	4.6	56
83	Properties of concretes produced with waste concrete aggregate. Cement and Concrete Research, 2004, 34, 1307-1312.	4.6	422
84	Properties of heavyweight concrete produced with barite. Cement and Concrete Research, 2003, 33, 815-822.	4.6	92
85	Effect of the use of mineral filler on the properties of concrete. Cement and Concrete Research, 2003, 33, 1071-1075.	4.6	56
86	Influence of concrete properties on bleeding and evaporation. Cement and Concrete Research, 2003, 34, 275-275.	4.6	0
87	Semi lightweight concretes produced by volcanic slags. Cement and Concrete Research, 1997, 27, 15-21.	4.6	98
88	Assessment of the brittleness index of rubberized concretes. Cement and Concrete Research, 1997, 27, 177-183.	4.6	82
89	Physical and mechanical properties of concretes produced with waste concrete. Cement and Concrete Research, 1997, 27, 1817-1823.	4.6	126
90	Collision behaviours of rubberized concrete. Cement and Concrete Research, 1997, 27, 1893-1898.	4.6	142

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91	Fracture toughness of a solidified composite residual material. Cement and Concrete Research, 1996, 26, 521-527.	4.6	0
92	The influence of silicoferrochromium fume on concrete properties. Cement and Concrete Research, 1995, 25, 387-394.	4.6	8
93	Using waste concrete as aggregate. Cement and Concrete Research, 1995, 25, 1385-1390.	4.6	197
94	The properties of rubberized concretes. Cement and Concrete Research, 1995, 25, 304-310.	4.6	467
95	A two-phase composite materials approach to the workability of concrete. Cement and Concrete Composites, 1995, 17, 319-325.	4.6	15
96	Reaktif Pudra Betonların Basınç Dayanımının ANFIS ile Tahmini. Journal of Polytechnic, 0, , .	0.4	0
97	Yüksek Farklı Katkıları İçin Çimento Pastaların Elektriksel İzdirençlerinin Araştırılması, Journal of Polytechnic, 0, , .	0.4	4
98	Atık Lastik Katımlı Betonun Şişme Teorisi ile İncelenmesi. El-Cezeri Journal of Science and Engineering, 0, , .	0.1	0
99	Improving the Corrosion Resistance of Reinforcement Embedded in Concrete with High Strength Zinc, Zinc-Boron and Zinc-Boron-Nitrogen Nanocrystal Composite Coating. Arabian Journal for Science and Engineering, 0, , .	1.7	1