

Mohamed Heikal

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

2,129
citations

201385

27
h-index

233125

45
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50
all docs

50
docs citations

50
times ranked

1554
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization, hydration, durability of nano-Fe ₂ O ₃ -composite cements subjected to sulphates and chlorides media. Construction and Building Materials, 2021, 269, 121310.	3.2	22
2	Evaluating the performance of high volume fly ash-blended-cement mortar individually containing nano- and ultrafine micro-magnesia. Journal of Building Engineering, 2021, 36, 102129.	1.6	10
3	Ultra-lightweight porous materials fabrication and hazardous lead-stabilization through alkali-activation/sintering of different industrial solid wastes. Journal of Cleaner Production, 2020, 244, 118742.	4.6	29
4	Preparation, physico-mechanical characteristics and durability of eco-alkali-activated binder from blast-furnace slag, cement kiln-by-pass dust and microsilica ternary system. Construction and Building Materials, 2020, 260, 119947.	3.2	15
5	Electrochemical and physico-mechanical characterizations of fly ash-composite cement. Construction and Building Materials, 2020, 243, 118309.	3.2	27
6	PERFORMANCE OF SILICA-NANO-PARTICLES ON THE PHYSICO-CHEMICAL, AND MICROSCOPIC CHARACTERISTICS OF BLENDED AND COMPOSITE CEMENT. Ceramics - Silikaty, 2020, , 320-337.	0.2	3
7	IMPROVEMENT OF CEMENT PASTES COMPOSITE PROPERTIES CONTAINING CLAY NANOPARTICLES. Ceramics - Silikaty, 2020, , 398-406.	0.2	3
8	Superior-mechanical, microstructure properties of composite cement incorporating SiO ₂ -nano-particles. Egyptian Journal of Chemistry, 2020, 63, 5-6.	0.1	0
9	Stabilization of lead bearing sludge by utilization in fly ash-slag based geopolymer. Construction and Building Materials, 2019, 227, 116694.	3.2	35
10	Evaluating the impact of nano-magnesium calcite waste on the performance of cement mortar in normal and sulfate-rich media. Construction and Building Materials, 2019, 203, 392-400.	3.2	21
11	Sustainable disposal of cement kiln dust in the production of cementitious materials. Journal of Cleaner Production, 2019, 232, 1218-1229.	4.6	47
12	Sustainable utilization of pretreated concrete waste in the production of one-part alkali-activated cement. Journal of Cleaner Production, 2019, 232, 318-328.	4.6	48
13	Preparation and Characterization of an Eco-Friendly Binder from Alkali-Activated Aluminosilicate Solid Industrial Wastes Containing CKD and GGBS. Journal of Materials in Civil Engineering, 2018, 30, .	1.3	5
14	Positive impact performance of hybrid effect of nano-clay and silica nano-particles on composite cements. Construction and Building Materials, 2018, 190, 508-516.	3.2	44
15	Synergistic effects of curing conditions and magnesium oxide addition on the physico-mechanical properties and firing resistivity of Portland cement mortar. Construction and Building Materials, 2018, 176, 676-689.	3.2	21
16	Characteristics, textural properties and fire resistance of cement pastes containing Fe ₂ O ₃ nano-particles. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1077-1087.	2.0	49
17	Hydration, microstructure and phase composition of composite cements containing nano-clay. Construction and Building Materials, 2016, 112, 19-27.	3.2	59
18	Utilization of GGBFS in The Preparation of Low Cost Cement. Egyptian Journal of Chemistry, 2016, 59, 623-636.	0.1	6

#	ARTICLE	IF	CITATIONS
19	Physico-mechanical, microstructure characteristics and fire resistance of cement pastes containing Al ₂ O ₃ nano-particles. Construction and Building Materials, 2015, 91, 232-242.	3.2	98
20	Microstructure of composite cements containing blast-furnace slag and silica nano-particles subjected to elevated thermally treatment temperature. Construction and Building Materials, 2015, 93, 1067-1077.	3.2	51
21	Physico-mechanical characteristics and durability of calcium aluminate blended cement subject to different aggressive media. Construction and Building Materials, 2015, 78, 379-385.	3.2	33
22	Physico-chemical and surface characteristics of some granulated slag-fired drinking water sludge composite cement pastes. HBRC Journal, 2014, 10, 73-81.	0.2	37
23	Hydration characteristic, thermal expansion and microstructure of cement containing nano-silica. Construction and Building Materials, 2014, 59, 151-160.	3.2	170
24	Behavior of composite cement pastes containing silica nano-particles at elevated temperature. Construction and Building Materials, 2014, 70, 339-350.	3.2	80
25	Physico-chemical, mechanical, microstructure and durability characteristics of alkali activated Egyptian slag. Construction and Building Materials, 2014, 69, 60-72.	3.2	90
26	Impact of delayed addition time of SNF condensate on the fire resistance and durability of SRC-SF composite cement pastes. Construction and Building Materials, 2014, 50, 281-290.	3.2	15
27	Reactivity of dealuminated kaolin and burnt kaolin using cement kiln dust or hydrated lime as activators. Construction and Building Materials, 2013, 47, 1451-1460.	3.2	48
28	Effect of delayed addition time of synthesized SSPF condensate on the durability of sulphate resisting cement pastes incorporating micro-silica. Construction and Building Materials, 2013, 48, 1092-1103.	3.2	19
29	Characteristics of cement pastes containing sulphotoaluminate and belite prepared from nano-materials. Construction and Building Materials, 2013, 38, 14-21.	3.2	11
30	Mechanical, microstructure and rheological characteristics of high performance self-compacting cement pastes and concrete containing ground clay bricks. Construction and Building Materials, 2013, 38, 101-109.	3.2	68
31	Behavior of composite cement pastes containing microsilica and fly ash at elevated temperature. Construction and Building Materials, 2013, 38, 1180-1190.	3.2	93
32	Characteristics of blended cements containing nano-silica. HBRC Journal, 2013, 9, 243-255.	0.2	82
33	Coupled Effect of Elevated Temperature and Cooling Conditions on the Properties of Ground Clay Brick Mortars. Slovak Journal of Civil Engineering, 2013, 21, 41-50.	0.2	7
34	Influence of delayed addition time of sodium sulfanilate phenol formaldehyde condensate on the hydration characteristics of sulfate resisting cement pastes containing silica fume. Construction and Building Materials, 2012, 37, 269-276.	3.2	11
35	Physico-chemical and mechanical characteristics of pozzolanic cement pastes and mortars hydrated at different curing temperatures. Construction and Building Materials, 2012, 26, 310-316.	3.2	58
36	Preparation of β -dicalcium silicate (β -C ₂ S) and calcium sulfoaluminate phases using non-traditional nano-materials. Construction and Building Materials, 2012, 35, 77-83.	3.2	21

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37	Effect of delaying addition time of SMF superplasticizer on the physico-mechanical properties and durability of cement pastes. <i>Construction and Building Materials</i> , 2012, 35, 261-269.	3.2	23
38	Characteristics and durability of cements containing fly ash and limestone subjected to Caron's Lake water. <i>Advances in Cement Research</i> , 2009, 21, 91-99.	0.7	24
39	Influence of hydrothermal condition on the physico-mechanical, phase composition and microstructure of autoclaved granulated slag- α -ground sand mixes using an industrial lime-rich sludge as an activator. <i>Advances in Cement Research</i> , 2005, 17, 153-160.	0.7	5
40	Effect of treatment temperature on the early hydration characteristics of superplasticized silica fume blended cement pastes. <i>Cement and Concrete Research</i> , 2005, 35, 680-687.	4.6	75
41	Hydration characteristics of tricalcium aluminate phase in mixes containing β -hemihydrate and phosphogypsum. <i>Cement and Concrete Research</i> , 2005, 35, 1601-1608.	4.6	33
42	Hydration and durability of sulphate-resisting and slag cement blends in Caron's Lake water. <i>Cement and Concrete Research</i> , 2005, 35, 1592-1600.	4.6	82
43	Electrical conductivity and phase composition of calcium aluminate cement containing air-cooled and water-cooled slag at 20, 40 and 60 $^{\circ}$ C. <i>Cement and Concrete Research</i> , 2005, 35, 1438-1446.	4.6	43
44	Effect of calcium formate as an accelerator on the physicochemical and mechanical properties of pozzolanic cement pastes. <i>Cement and Concrete Research</i> , 2004, 34, 1051-1056.	4.6	99
45	Title is missing!. <i>Journal of Materials Science</i> , 2003, 38, 4499-4505.	1.7	3
46	Effect of Various Superplasticizers on the Textural Properties of Silica Fume Pozzolanic Cements. <i>Adsorption Science and Technology</i> , 2002, 20, 453-466.	1.5	0
47	Portland cement clinker, granulated slag and by-pass cement dust composites. <i>Cement and Concrete Research</i> , 2002, 32, 1805-1812.	4.6	46
48	Physico-chemical characteristics of some polymer cement composites. <i>Materials Chemistry and Physics</i> , 2001, 71, 76-83.	2.0	25
49	Limestone-filled pozzolanic cement. <i>Cement and Concrete Research</i> , 2000, 30, 1827-1834.	4.6	154
50	Effect of temperature on the physico-mechanical and mineralogical properties of Homra pozzolanic cement pastes. <i>Cement and Concrete Research</i> , 2000, 30, 1835-1839.	4.6	81