Mohamed Heikal

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Hydration characteristic, thermal expansion and microstructure of cement containing nano-silica. Construction and Building Materials, 2014, 59, 151-160.	7.2	170
2	Limestone-filled pozzolanic cement. Cement and Concrete Research, 2000, 30, 1827-1834.	11.0	154
3	Effect of calcium formate as an accelerator on the physicochemical and mechanical properties of pozzolanic cement pastes. Cement and Concrete Research, 2004, 34, 1051-1056.	11.0	99
4	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.	7.2	98
5	Behavior of composite cement pastes containing microsilica and fly ash at elevated temperature. Construction and Building Materials, 2013, 38, 1180-1190.	7.2	93
6	Physico-chemical, mechanical, microstructure and durability characteristics of alkali activated Egyptian slag. Construction and Building Materials, 2014, 69, 60-72.	7.2	90
7	Hydration and durability of sulphate-resisting and slag cement blends in Caron's Lake water. Cement and Concrete Research, 2005, 35, 1592-1600.	11.0	82
8	Characteristics of blended cements containing nano-silica. HBRC Journal, 2013, 9, 243-255.	0.7	82
9	Effect of temperature on the physico-mechanical and mineralogical properties of Homra pozzolanic cement pastes. Cement and Concrete Research, 2000, 30, 1835-1839.	11.0	81
10	Behavior of composite cement pastes containing silica nano-particles at elevated temperature. Construction and Building Materials, 2014, 70, 339-350.	7.2	80
11	Effect of treatment temperature on the early hydration characteristics of superplasticized silica fume blended cement pastes. Cement and Concrete Research, 2005, 35, 680-687.	11.0	75
12	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.	7.2	68
13	Hydration, microstructure and phase composition of composite cements containing nano-clay. Construction and Building Materials, 2016, 112, 19-27.	7.2	59
14	Physico-chemical and mechanical characteristics of pozzolanic cement pastes and mortars hydrated at different curing temperatures. Construction and Building Materials, 2012, 26, 310-316.	7.2	58
15	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.	7.2	51
16	Characteristics, textural properties and fire resistance of cement pastes containing Fe2O3 nano-particles. Journal of Thermal Analysis and Calorimetry, 2016, 126, 1077-1087.	3.6	49
17	Reactivity of dealuminated kaolin and burnt kaolin using cement kiln dust or hydrated lime as activators. Construction and Building Materials, 2013, 47, 1451-1460.	7.2	48
18	Sustainable utilization of pretreated concrete waste in the production of one-part alkali-activated cement. Journal of Cleaner Production, 2019, 232, 318-328.	9.3	48

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19	Sustainable disposal of cement kiln dust in the production of cementitious materials. Journal of Cleaner Production, 2019, 232, 1218-1229.	9.3	47
20	Portland cement clinker, granulated slag and by-pass cement dust composites. Cement and Concrete Research, 2002, 32, 1805-1812.	11.0	46
21	Positive impact performance of hybrid effect of nano-clay and silica nano-particles on composite cements. Construction and Building Materials, 2018, 190, 508-516.	7.2	44
22	Electrical conductivity and phase composition of calcium aluminate cement containing air-cooled and water-cooled slag at 20, 40 and 60 °C. Cement and Concrete Research, 2005, 35, 1438-1446.	11.0	43
23	Physico-chemical and surface characteristics of some granulated slag–fired drinking water sludge composite cement pastes. HBRC Journal, 2014, 10, 73-81.	0.7	37
24	Stabilization of lead bearing sludge by utilization in fly ash-slag based geopolymer. Construction and Building Materials, 2019, 227, 116694.	7.2	35
25	Hydration characteristics of tricalcium aluminate phase in mixes containing β-hemihydate and phosphogypsum. Cement and Concrete Research, 2005, 35, 1601-1608.	11.0	33
26	Physico-mechanical characteristics and durability of calcium aluminate blended cement subject to different aggressive media. Construction and Building Materials, 2015, 78, 379-385.	7.2	33
27	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.	9.3	29
28	Electrochemical and physico-mechanical characterizations of fly ash-composite cement. Construction and Building Materials, 2020, 243, 118309.	7.2	27
29	Physico-chemical characteristics of some polymer cement composites. Materials Chemistry and Physics, 2001, 71, 76-83.	4.0	25
30	Characteristics and durability of cements containing fly ash and limestone subjected to Caron's Lake water. Advances in Cement Research, 2009, 21, 91-99.	1.6	24
31	Effect of delaying addition time of SMF superplasticizer on the physico-mechanical properties and durability of cement pastes. Construction and Building Materials, 2012, 35, 261-269.	7.2	23
32	Characterization, hydration, durability of nano-Fe2O3-composite cements subjected to sulphates and chlorides media. Construction and Building Materials, 2021, 269, 121310.	7.2	22
33	Preparation of β-dicalcium silicate (β-C2S) and calcium sulfoaluminate phases using non-traditional nano-materials. Construction and Building Materials, 2012, 35, 77-83.	7.2	21
34	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.	7.2	21
35	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.	7.2	21
36	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.	7.2	19

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37	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.	7.2	15
38	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.	7.2	15
39	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.	7.2	11
40	Characteristics of cement pastes containing sulphoaluminate and belite prepared from nano-materials. Construction and Building Materials, 2013, 38, 14-21.	7.2	11
41	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.	3.4	10
42	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.	0.5	7
43	Utilization of GBFS in The Preparation of Low Cost Cement. Egyptian Journal of Chemistry, 2016, 59, 623-636.	0.2	6
44	Influence of hydrothermal condition on the physico-mechanical, phase composition and microstructure of autoclaved granulated slag—ground sand mixes using an industrial lime-rich sludge as an activator. Advances in Cement Research, 2005, 17, 153-160.	1.6	5
45	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, .	2.9	5
46	Title is missing!. Journal of Materials Science, 2003, 38, 4499-4505.	3.7	3
47	PERFORMANCE OF SILICA-NANO-PARTICLES ON THE PHYSICOCHEMICAL, AND MICROSCOPIC CHARACTERISTICS OF BLENDED AND COMPOSITE CEMENT. Ceramics - Silikaty, 2020, , 320-337.	0.3	3
48	IMPROVEMENT OF CEMENT PASTES COMPOSITE PROPERTIES CONTAINING CLAY NANOPARTICLES. Ceramics - Silikaty, 2020, , 398-406.	0.3	3
49	Effect of Various Superplasticizers on the Textural Properties of Silica Fume Pozzolanic Cements. Adsorption Science and Technology, 2002, 20, 453-466.	3.2	0
50	Superior-mechanical, microstructure properties of composite cement incorporating SiO2-nano-particles. Egyptian Journal of Chemistry, 2020, 63, 5-6.	0.2	0