Tingting Zhang

List of Publications by Year
in descending order

47 papers	1,481 citations	331670 21 h-index	315739 38 g-index
48 all docs	48 docs citations	48 times ranked	1223 citing authors

#	Article	IF	Citations
1	Development of low pH cement systems forming magnesium silicate hydrate (M-S-H). Cement and Concrete Research, 2011, 41, 439-442.	11.0	237
2	Formation of magnesium silicate hydrate (M-S-H) cement pastes using sodium hexametaphosphate. Cement and Concrete Research, 2014, 65, 8-14.	11.0	202
3	Electromagnetic wave absorbing properties of multi-walled carbon nanotube/cement composites. Construction and Building Materials, 2013, 46, 98-103.	7.2	111
4	Role of sodium hexametaphosphate in MgO/SiO2 cement pastes. Cement and Concrete Research, 2016, 89, 63-71.	11.0	62
5	Characterization of Magnesium Silicate Hydrate (MSH) Gel Formed by Reacting MgO and Silica Fume. Materials, 2018, 11, 909.	2.9	57
6	Magnesium-silicate-hydrate cements for encapsulating problematic aluminium containing wastes. Journal of Sustainable Cement-Based Materials, 2012, 1, 34-45.	3.1	51
7	Mechanical properties and microstructure of alkali activated Pisha sandstone geopolymer composites. Construction and Building Materials, 2014, 68, 233-239.	7.2	49
8	Effect of hydromagnesite addition on the properties and water resistance of magnesium oxysulfate (MOS) cement. Cement and Concrete Research, 2021, 143, 106387.	11.0	47
9	Review on Cement Stabilization/Solidification of Municipal Solid Waste Incineration Fly Ash. Advances in Materials Science and Engineering, 2018, 2018, 1-7.	1.8	44
10	Regeneration of elemental sulfur in a simultaneous sulfide and nitrate removal reactor under different dissolved oxygen conditions. Bioresource Technology, 2015, 182, 75-81.	9.6	41
11	Study on the strength development, hydration process and carbonation process of NaOH-activated Pisha Sandstone. Construction and Building Materials, 2014, 66, 154-162.	7.2	39
12	Coupled effects of methane monooxygenase and nitrogen source on growth and poly-Î²-hydroxybutyrate (PHB) production of Methylosinus trichosporium OB3b. Journal of Environmental Sciences, 2017, 52, 49-57.	6.1	38
13	Properties of magnesium silicate hydrate (M-S-H) cement mortars containing chicken feather fibres. Construction and Building Materials, 2018, 180, 692-697.	7.2	35
14	Effect of CaO on the reaction process of MgO-SiO2-H2O cement pastes. Materials Letters, 2017, 192, 48-51.	2.6	29
15	Control of drying shrinkage in magnesium silicate hydrate (m-s-h) gel mortars. Cement and Concrete Research, 2016, 88, 36-42.	11.0	28
16	Enrichments of methanotrophicâ€“heterotrophic cultures with high poly-Î²-hydroxybutyrate (PHB) accumulation capacities. Journal of Environmental Sciences, 2018, 65, 133-143.	6.1	28
17	Immobilization of Radionuclide 133Cs by Magnesium Silicate Hydrate Cement. Materials, 2020, 13, 146.	2.9	26
18	Mechanical and morphological properties of highly dispersed carbon nanotubes reinforced cement based materials. Journal Wuhan University of Technology, Materials Science Edition, 2013, 28, 82-87.	1.0	24

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19	Effect of dissolved oxygen on elemental sulfur generation in sulfide and nitrate removal process: characterization, pathway, and microbial community analysis. Applied Microbiology and Biotechnology, 2016, 100, 2895-2905.	3.6	24
20	Electrochemical Biosensor for Detection of Perfluorooctane Sulfonate Based on Inhibition Biocatalysis of Enzymatic Fuel Cell. Electrochemistry, 2014, 82, 94-99.	1.4	22
21	Pore structure and durability of cement-based composites doped with graphene nanoplatelets. Materials Express, 2018, 8, 149-156.	0.5	22
22	A novel magnesium hydroxide sulfate hydrate whisker-reinforced magnesium silicate hydrate composites. Composites Part B: Engineering, 2020, 198, 108203.	12.0	22
23	The Use of Anionic Gum Arabic as a Dispersant for Multi-Walled Carbon Nanotubes in an Aqueous Solution. Journal of Nanoscience and Nanotechnology, 2012, 12, 4664-4669.	0.9	21
24	Traces of CH in a C4A3$-C2S hydration system. Construction and Building Materials, 2019, 197, 641-651.	7.2	21
25	Synthesis and characterization of multi-walled carbon nanotube doped silica aerogels. Journal Wuhan University of Technology, Materials Science Edition, 2012, 27, 512-515.	1.0	20
26	A thermodynamic modeling approach for solubility product from struvite-k. Computational Materials Science, 2019, 157, 51-59.	3.0	19
27	Stabilization/Solidification of Strontium Using Magnesium Silicate Hydrate Cement. Processes, 2020, 8, 163.	2.8	19
28	Rietveld refinement for Sr(Ba)-bearing ye'elimite. Advances in Cement Research, 2016, 28, 583-594.	1.6	15
29	Development of building material utilizing a low pozzolanic activity mineral. Construction and Building Materials, 2016, 121, 300-309.	7.2	13
30	Effect of salt on strength development of marine soft clay stabilized with cement-based composites. Marine Georesources and Geotechnology, 2020, 38, 672-685.	2.1	13
31	Production of Rapid-Hardening Magnesium Oxysulfate Cement Containing Boric Acid. Journal of Materials in Civil Engineering, 2022, 34, .	2.9	12
32	Reinforcement of surface-modified multi-walled carbon nanotubes on cement-based composites. Advances in Cement Research, 2014, 26, 77-84.	1.6	11
33	Alkali Activation of Copper and Nickel Slag Composite Cementitious Materials. Materials, 2020, 13, 1155.	2.9	11
34	Synthesis of alkali-activated uncalcined Pisha sandstone cement composites. Composites Part B: Engineering, 2021, 225, 109311.	12.0	11
35	Morphological Properties of Surface-Treated Carbon Nanotubes in Cement-Based Composites. Journal of Nanoscience and Nanotechnology, 2012, 12, 8415-8419.	0.9	10
36	Effect of Ion Corrosion on 517 Phase Stability. Materials, 2020, 13, 5659.	2.9	9

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37	Effect of Carbonation on the Water Resistance of Steel Slagâ€"Magnesium Oxysulfate (MOS) Cement Blends. Materials, 2020, 13, 5006.	2.9	6
38	Silica fume-reinforced alkali-activated uncalcined Pisha Sandstone-based geopolymer cement. Construction and Building Materials, 2021, 269, 121296.	7.2	6
39	Mechanism of Alkali-Activated Copper-Nickel Slag Material. Advances in Civil Engineering, 2020, 2020, 1-10.	0.7	5
40	A comparative study of different amorphous and paracrystalline silica by NMR and SEM/EDS. Journal Wuhan University of Technology, Materials Science Edition, 2015, 30, 900-907.	1.0	3
41	Mechanical properties and reaction products of reactive magnesia and CFB slag/silica fume pastes. Advances in Cement Research, 2019, 31, 297-307.	1.6	3
42	Effect of hydrated magnesium carbonate grown in situ on the property of MgO-activated reactive SiO₂ mortars. Journal of Sustainable Cement-Based Materials, 2022, 11, 286-296.	3.1	3
43	Alteration mechanisms of carbonated steel slag product under hydrochloric acid attack. Journal of Sustainable Cement-Based Materials, 2021, 10, 46-64.	3.1	2
44	Effects of Sodium Dodecyl Sulfate Concentrations on the Dispersion of Carbon Nanofibers in Water. Nanoscience and Nanotechnology Letters, 2013, 5, 377-383.	0.4	2
45	Effect of Dosage of Fly Ash and NaOH on Properties of Pisha Sandstone-Based Mortar. ACI Materials Journal, 2016, 113, .	0.2	1
46	Experimental Study on Abrasion Resistance of Concrete Containing Scrap Rubber Powder. Journal of Solid Waste Technology and Management, 2013, 39, 214-220.	0.2	1
47	Adding Effects of CaF₂ and TiO₂ as Mineralizers on the Sintering Temperature and Hardening Properties of Calcium Sulfoaluminate Cement. Journal of Advanced Concrete Technology, 2021, 19, 1309-1317.	1.8	0