

Tingting Zhang

List of Publications by Year in descending order

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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	Effect of hydrated magnesium carbonate grown <i>in situ</i> on the property of MgO-activated reactive SiO ₂ mortars. <i>Journal of Sustainable Cement-Based Materials</i> , 2022, 11, 286-296.	3.1	3
2	Production of Rapid-Hardening Magnesium Oxysulfate Cement Containing Boric Acid. <i>Journal of Materials in Civil Engineering</i> , 2022, 34, .	2.9	12
3	Silica fume-reinforced alkali-activated uncalcined Pisha Sandstone-based geopolymer cement. <i>Construction and Building Materials</i> , 2021, 269, 121296.	7.2	6
4	Alteration mechanisms of carbonated steel slag product under hydrochloric acid attack. <i>Journal of Sustainable Cement-Based Materials</i> , 2021, 10, 46-64.	3.1	2
5	Effect of hydromagnesite addition on the properties and water resistance of magnesium oxysulfate (MOS) cement. <i>Cement and Concrete Research</i> , 2021, 143, 106387.	11.0	47
6	Synthesis of alkali-activated uncalcined Pisha sandstone cement composites. <i>Composites Part B: Engineering</i> , 2021, 225, 109311.	12.0	11
7	Adding Effects of CaF ₂ and TiO ₂ as Mineralizers on the Sintering Temperature and Hardening Properties of Calcium Sulfoaluminate Cement. <i>Journal of Advanced Concrete Technology</i> , 2021, 19, 1309-1317.	1.8	0
8	Effect of salt on strength development of marine soft clay stabilized with cement-based composites. <i>Marine Georesources and Geotechnology</i> , 2020, 38, 672-685.	2.1	13
9	Effect of Carbonation on the Water Resistance of Steel Slag-Magnesium Oxysulfate (MOS) Cement Blends. <i>Materials</i> , 2020, 13, 5006.	2.9	6
10	Effect of Ion Corrosion on 517 Phase Stability. <i>Materials</i> , 2020, 13, 5659.	2.9	9
11	Alkali Activation of Copper and Nickel Slag Composite Cementitious Materials. <i>Materials</i> , 2020, 13, 1155.	2.9	11
12	Stabilization/Solidification of Strontium Using Magnesium Silicate Hydrate Cement. <i>Processes</i> , 2020, 8, 163.	2.8	19
13	A novel magnesium hydroxide sulfate hydrate whisker-reinforced magnesium silicate hydrate composites. <i>Composites Part B: Engineering</i> , 2020, 198, 108203.	12.0	22
14	Immobilization of Radionuclide ¹³³ Cs by Magnesium Silicate Hydrate Cement. <i>Materials</i> , 2020, 13, 146.	2.9	26
15	Mechanism of Alkali-Activated Copper-Nickel Slag Material. <i>Advances in Civil Engineering</i> , 2020, 2020, 1-10.	0.7	5
16	Traces of CH in a C4A3S-C2S hydration system. <i>Construction and Building Materials</i> , 2019, 197, 641-651.	7.2	21
17	Mechanical properties and reaction products of reactive magnesia and CFB slag/silica fume pastes. <i>Advances in Cement Research</i> , 2019, 31, 297-307.	1.6	3
18	A thermodynamic modeling approach for solubility product from struvite-k. <i>Computational Materials Science</i> , 2019, 157, 51-59.	3.0	19

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19	Enrichments of methanotrophic heterotrophic cultures with high poly- β -hydroxybutyrate (PHB) accumulation capacities. <i>Journal of Environmental Sciences</i> , 2018, 65, 133-143.	6.1	28
20	Review on Cement Stabilization/Solidification of Municipal Solid Waste Incineration Fly Ash. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-7.	1.8	44
21	Properties of magnesium silicate hydrate (M-S-H) cement mortars containing chicken feather fibres. <i>Construction and Building Materials</i> , 2018, 180, 692-697.	7.2	35
22	Characterization of Magnesium Silicate Hydrate (MSH) Gel Formed by Reacting MgO and Silica Fume. <i>Materials</i> , 2018, 11, 909.	2.9	57
23	Pore structure and durability of cement-based composites doped with graphene nanoplatelets. <i>Materials Express</i> , 2018, 8, 149-156.	0.5	22
24	Coupled effects of methane monooxygenase and nitrogen source on growth and poly- β -hydroxybutyrate (PHB) production of <i>Methylosinus trichosporium</i> OB3b. <i>Journal of Environmental Sciences</i> , 2017, 52, 49-57.	6.1	38
25	Effect of CaO on the reaction process of MgO-SiO ₂ -H ₂ O cement pastes. <i>Materials Letters</i> , 2017, 192, 48-51.	2.6	29
26	Role of sodium hexametaphosphate in MgO/SiO ₂ cement pastes. <i>Cement and Concrete Research</i> , 2016, 89, 63-71.	11.0	62
27	Rietveld refinement for Sr(Ba)-bearing ye'elimite. <i>Advances in Cement Research</i> , 2016, 28, 583-594.	1.6	15
28	Control of drying shrinkage in magnesium silicate hydrate (m-s-h) gel mortars. <i>Cement and Concrete Research</i> , 2016, 88, 36-42.	11.0	28
29	Development of building material utilizing a low pozzolanic activity mineral. <i>Construction and Building Materials</i> , 2016, 121, 300-309.	7.2	13
30	Effect of dissolved oxygen on elemental sulfur generation in sulfide and nitrate removal process: characterization, pathway, and microbial community analysis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2895-2905.	3.6	24
31	Effect of Dosage of Fly Ash and NaOH on Properties of Pisha Sandstone-Based Mortar. <i>ACI Materials Journal</i> , 2016, 113, .	0.2	1
32	A comparative study of different amorphous and paracrystalline silica by NMR and SEM/EDS. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2015, 30, 900-907.	1.0	3
33	Regeneration of elemental sulfur in a simultaneous sulfide and nitrate removal reactor under different dissolved oxygen conditions. <i>Bioresource Technology</i> , 2015, 182, 75-81.	9.6	41
34	Reinforcement of surface-modified multi-walled carbon nanotubes on cement-based composites. <i>Advances in Cement Research</i> , 2014, 26, 77-84.	1.6	11
35	Formation of magnesium silicate hydrate (M-S-H) cement pastes using sodium hexametaphosphate. <i>Cement and Concrete Research</i> , 2014, 65, 8-14.	11.0	202
36	Mechanical properties and microstructure of alkali activated Pisha sandstone geopolymer composites. <i>Construction and Building Materials</i> , 2014, 68, 233-239.	7.2	49

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37	Study on the strength development, hydration process and carbonation process of NaOH-activated Pisha Sandstone. <i>Construction and Building Materials</i> , 2014, 66, 154-162.	7.2	39
38	Electrochemical Biosensor for Detection of Perfluorooctane Sulfonate Based on Inhibition Biocatalysis of Enzymatic Fuel Cell. <i>Electrochemistry</i> , 2014, 82, 94-99.	1.4	22
39	Electromagnetic wave absorbing properties of multi-walled carbon nanotube/cement composites. <i>Construction and Building Materials</i> , 2013, 46, 98-103.	7.2	111
40	Mechanical and morphological properties of highly dispersed carbon nanotubes reinforced cement based materials. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2013, 28, 82-87.	1.0	24
41	Effects of Sodium Dodecyl Sulfate Concentrations on the Dispersion of Carbon Nanofibers in Water. <i>Nanoscience and Nanotechnology Letters</i> , 2013, 5, 377-383.	0.4	2
42	Experimental Study on Abrasion Resistance of Concrete Containing Scrap Rubber Powder. <i>Journal of Solid Waste Technology and Management</i> , 2013, 39, 214-220.	0.2	1
43	Morphological Properties of Surface-Treated Carbon Nanotubes in Cement-Based Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 8415-8419.	0.9	10
44	The Use of Anionic Gum Arabic as a Dispersant for Multi-Walled Carbon Nanotubes in an Aqueous Solution. <i>Journal of Nanoscience and Nanotechnology</i> , 2012, 12, 4664-4669.	0.9	21
45	Magnesium-silicate-hydrate cements for encapsulating problematic aluminium containing wastes. <i>Journal of Sustainable Cement-Based Materials</i> , 2012, 1, 34-45.	3.1	51
46	Synthesis and characterization of multi-walled carbon nanotube doped silica aerogels. <i>Journal Wuhan University of Technology, Materials Science Edition</i> , 2012, 27, 512-515.	1.0	20
47	Development of low pH cement systems forming magnesium silicate hydrate (M-S-H). <i>Cement and Concrete Research</i> , 2011, 41, 439-442.	11.0	237