

Fei Jin

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7612109/publications.pdf>

Version: 2024-02-01

69
papers

5,153
citations

71004

43
h-index

156644

58
g-index

70
all docs

70
docs citations

70
times ranked

3720
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of biochar-amended alkali-activated slag on the stabilization of coral sand in coastal areas. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2023, 15, 760-772.	3.7	5
2	Sustainable utilization of slags. , 2022, , 321-341.		0
3	The engineering properties and reaction mechanism of MgO-activated slag cement-clayey sand-bentonite (MSB) cutoff wall backfills. <i>Construction and Building Materials</i> , 2021, 271, 121890.	3.2	16
4	One-pot synthesis of Mg Al layered double hydroxide (LDH) using MgO and metakaolin (MK) as precursors. <i>Applied Clay Science</i> , 2021, 206, 106070.	2.6	13
5	Green remediation of Cd and Hg contaminated soil using humic acid modified montmorillonite: Immobilization performance under accelerated ageing conditions. <i>Journal of Hazardous Materials</i> , 2020, 387, 122005.	6.5	87
6	Long-term effectiveness of in-situ solidification/stabilization. , 2020, , 247-278.		3
7	Magnesium oxychloride cement. , 2020, , 29-74.		3
8	Introduction “ Characterization of MgO. , 2020, , 1-10.		1
9	Magnesia in alkali activated cements. , 2020, , 213-241.		1
10	Effects of excessive impregnation, magnesium content, and pyrolysis temperature on MgO-coated watermelon rind biochar and its lead removal capacity. <i>Environmental Research</i> , 2020, 183, 109152.	3.7	60
11	Microstructure and carbon storage capacity of hydrated magnesium carbonates synthesized from different sources and conditions. <i>Journal of CO2 Utilization</i> , 2019, 34, 353-361.	3.3	17
12	Temporal effect of MgO reactivity on the stabilization of lead contaminated soil. <i>Environment International</i> , 2019, 131, 104990.	4.8	49
13	Engineering Properties of Vertical Cutoff Walls Consisting of Reactive Magnesia-Activated Slag and Bentonite: Workability, Strength, and Hydraulic Conductivity. <i>Journal of Materials in Civil Engineering</i> , 2019, 31, .	1.3	26
14	Solidification/Stabilization for Soil Remediation: An Old Technology with New Vitality. <i>Environmental Science & Technology</i> , 2019, 53, 11615-11617.	4.6	131
15	Risk evaluation of biochars produced from Cd-contaminated rice straw and optimization of its production for Cd removal. <i>Chemosphere</i> , 2019, 233, 149-156.	4.2	54
16	Performance of magnesia-modified sodium carbonate-activated slag/fly ash concrete. <i>Cement and Concrete Composites</i> , 2019, 103, 160-174.	4.6	39
17	Influence of wet-dry cycles on vertical cutoff walls made of reactive magnesia-slag-bentonite-soil mixtures. <i>Journal of Zhejiang University: Science A</i> , 2019, 20, 948-960.	1.3	12
18	Adsorption of methyl tert-butyl ether (MTBE) onto ZSM-5 zeolite: Fixed-bed column tests, breakthrough curve modelling and regeneration. <i>Chemosphere</i> , 2019, 220, 422-431.	4.2	55

#	ARTICLE	IF	CITATIONS
19	Effect of production temperature on lead removal mechanisms by rice straw biochars. <i>Science of the Total Environment</i> , 2019, 655, 751-758.	3.9	214
20	Breakthrough Curve Modelling of ZSM-5 Zeolite Packed Fixed-Bed Columns for the Removal of MTBE. <i>Environmental Science and Engineering</i> , 2019, , 724-730.	0.1	0
21	Leaching and microstructural properties of lead contaminated kaolin stabilized by GGBS-MgO in semi-dynamic leaching tests. <i>Construction and Building Materials</i> , 2018, 172, 626-634.	3.2	78
22	Kinetic and equilibrium modelling of MTBE (methyl tert-butyl ether) adsorption on ZSM-5 zeolite: Batch and column studies. <i>Journal of Hazardous Materials</i> , 2018, 347, 461-469.	6.5	52
23	Comparison of nickel adsorption on biochars produced from mixed softwood and <i>Miscanthus</i> straw. <i>Environmental Science and Pollution Research</i> , 2018, 25, 14626-14635.	2.7	30
24	Preliminary Investigation on the Development and Performance of Self-immune and Self-healing Soil-Cement Systems Under Freeze-Thaw Cycles. , 2018, , 84-91.		2
25	Assessing long-term stability of cadmium and lead in a soil washing residue amended with MgO-based binders using quantitative accelerated ageing. <i>Science of the Total Environment</i> , 2018, 643, 1571-1578.	3.9	57
26	Investigation of the properties of MgO recovered from reject brine obtained from desalination plants. <i>Journal of Cleaner Production</i> , 2018, 196, 100-108.	4.6	52
27	The embryotoxicity of ZnO nanoparticles to marine medaka, <i>Oryzias melastigma</i> . <i>Aquatic Toxicology</i> , 2017, 185, 11-18.	1.9	56
28	Characteristics and mechanisms of nickel adsorption on biochars produced from wheat straw pellets and rice husk. <i>Environmental Science and Pollution Research</i> , 2017, 24, 12809-12819.	2.7	145
29	Stabilization and solidification of a heavy metal contaminated site soil using a hydroxyapatite based binder. <i>Construction and Building Materials</i> , 2017, 156, 199-207.	3.2	97
30	Accelerated carbonation and performance of concrete made with steel slag as binding materials and aggregates. <i>Cement and Concrete Composites</i> , 2017, 83, 138-145.	4.6	194
31	Qualitative and quantitative characterisation of adsorption mechanisms of lead on four biochars. <i>Science of the Total Environment</i> , 2017, 609, 1401-1410.	3.9	151
32	Evaluation of Sulfate Resistance of Calcined Dolomite Activated Ground Granulated Blast Furnace Slag. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	13
33	Salisbury biochar did not affect the mobility or speciation of lead in kaolin in a short-term laboratory study. <i>Journal of Hazardous Materials</i> , 2016, 316, 214-220.	6.5	32
34	Three-year performance of in-situ mass stabilised contaminated site soils using MgO-bearing binders. <i>Journal of Hazardous Materials</i> , 2016, 318, 302-307.	6.5	47
35	Multiscale Study of Sodium Sulfate Soaking Durability of Low Plastic Clay Stabilized by Reactive Magnesia-Activated Ground Granulated Blast-Furnace Slag. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	35
36	Development of greener alkali-activated cement: utilisation of sodium carbonate for activating slag and fly ash mixtures. <i>Journal of Cleaner Production</i> , 2016, 113, 66-75.	4.6	276

#	ARTICLE	IF	CITATIONS
37	Magnesia reactivity on activating efficacy for ground granulated blastfurnace slag for soft clay stabilisation. <i>Applied Clay Science</i> , 2016, 126, 57-62.	2.6	64
38	Mechanism of reactive magnesia “ ground granulated blastfurnace slag (GGBS) soil stabilization. <i>Canadian Geotechnical Journal</i> , 2016, 53, 773-782.	1.4	87
39	Long-term impact of biochar on the immobilisation of nickel (II) and zinc (II) and the revegetation of a contaminated site. <i>Science of the Total Environment</i> , 2016, 542, 771-776.	3.9	120
40	Three-year performance of in-situ solidified/stabilised soil using novel MgO-bearing binders. <i>Chemosphere</i> , 2016, 144, 681-688.	4.2	89
41	Durability of reactive magnesia-activated slag-stabilized low plasticity clay subjected to drying“wetting cycle. <i>European Journal of Environmental and Civil Engineering</i> , 2016, 20, 215-230.	1.0	81
42	Magnesium sulfate attack on clays stabilised by carbide slag- and magnesia-ground granulated blast furnace slag. <i>Geotechnique Letters</i> , 2015, 5, 306-312.	0.6	48
43	Incorporation of reactive magnesia and quicklime in sustainable binders for soil stabilisation. <i>Engineering Geology</i> , 2015, 195, 53-62.	2.9	44
44	Workability, compressibility and hydraulic conductivity of zeolite-amended clayey soil/calcium-bentonite backfills for slurry-trench cutoff walls. <i>Engineering Geology</i> , 2015, 195, 258-268.	2.9	95
45	Sorption of lead by Salisbury biochar produced from British broadleaf hardwood. <i>Bioresource Technology</i> , 2015, 193, 553-556.	4.8	100
46	Characterisation of reactive magnesia and sodium carbonate-activated fly ash/slag paste blends. <i>Construction and Building Materials</i> , 2015, 93, 506-513.	3.2	111
47	Strength and drying shrinkage of slag paste activated by sodium carbonate and reactive MgO. <i>Construction and Building Materials</i> , 2015, 81, 58-65.	3.2	82
48	Effects of Different Reactive MgOs on the Hydration of MgO-Activated GGBS Paste. <i>Journal of Materials in Civil Engineering</i> , 2015, 27, .	1.3	58
49	Strength and hydration properties of reactive MgO-activated ground granulated blastfurnace slag paste. <i>Cement and Concrete Composites</i> , 2015, 57, 8-16.	4.6	214
50	The performance of blended conventional and novel binders in the in-situ stabilisation/solidification of a contaminated site soil. <i>Journal of Hazardous Materials</i> , 2015, 285, 46-52.	6.5	82
51	Characterisation of different commercial reactive magnesia. <i>Advances in Cement Research</i> , 2014, 26, 101-113.	0.7	113
52	Initial Investigation of Soil Stabilization with Calcined Dolomite-GGBS Blends. , 2014, , .		3
53	Strength and drying shrinkage of reactive MgO modified alkali-activated slag paste. <i>Construction and Building Materials</i> , 2014, 51, 395-404.	3.2	230
54	Engineering properties and microstructural characteristics of cement-stabilized zinc-contaminated kaolin. <i>Canadian Geotechnical Journal</i> , 2014, 51, 289-302.	1.4	283

#	ARTICLE	IF	CITATIONS
55	Compressibility of cement-stabilized zinc-contaminated high plasticity clay. <i>Natural Hazards</i> , 2014, 73, 671-683.	1.6	7
56	Effect of acid rain pH on leaching behavior of cement stabilized lead-contaminated soil. <i>Journal of Hazardous Materials</i> , 2014, 271, 131-140.	6.5	239
57	New phosphate-based binder for stabilization of soils contaminated with heavy metals: Leaching, strength and microstructure characterization. <i>Journal of Environmental Management</i> , 2014, 146, 179-188.	3.8	132
58	Activation of ground granulated blast furnace slag by using calcined dolomite. <i>Construction and Building Materials</i> , 2014, 68, 252-258.	3.2	45
59	Mechanical and hydration properties of ground granulated blastfurnace slag pastes activated with MgO-CaO mixtures. <i>Construction and Building Materials</i> , 2014, 69, 101-108.	3.2	85
60	Evaluation of novel reactive MgO activated slag binder for the immobilisation of lead and zinc. <i>Chemosphere</i> , 2014, 117, 285-294.	4.2	95
61	A study of the effect of temperature on the structural strength of a clayey soil using a micropenetrometer. <i>Bulletin of Engineering Geology and the Environment</i> , 2014, 73, 747-758.	1.6	34
62	Strength and hydration products of reactive MgO-silica pastes. <i>Cement and Concrete Composites</i> , 2014, 52, 27-33.	4.6	112
63	Stress-strain relation and strength characteristics of cement treated zinc-contaminated clay. <i>Engineering Geology</i> , 2013, 167, 20-26.	2.9	86
64	Thermogravimetric study on the hydration of reactive magnesia and silica mixture at room temperature. <i>Thermochimica Acta</i> , 2013, 566, 162-168.	1.2	116
65	Experimental investigation of influence of acid rain on leaching and hydraulic characteristics of cement-based solidified/stabilized lead contaminated clay. <i>Journal of Hazardous Materials</i> , 2012, 225-226, 195-201.	6.5	130
66	Evaluation of Cement Hydration Properties of Cement-Stabilized Lead-Contaminated Soils Using Electrical Resistivity Measurement. <i>Journal of Hazardous, Toxic, and Radioactive Waste</i> , 2011, 15, 312-320.	1.2	43
67	Strength Comparison of Cement Solidified/Stabilized Soils Contaminated by Lead and Copper. , 2010, , .		8
68	Application of Electrical Resistivity For Cement Solidified/Stabilized Heavy Metal Contaminated Soils. , 2010, , 259-264.		4
69	An Overview of Stabilization/Solidification Technique for Heavy Metals Contaminated Soils. , 2010, , 760-766.		9