

Jiang-shan Li

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

93
papers

2,254
citations

28
h-index

44
g-index

98
ext. papers

3,095
ext. citations

7.6
avg, IF

5.76
L-index

#	Paper	IF	Citations
93	Sustainable utilization of incinerated sewage sludge ash 2022 , 211-225		
92	Enzymatically induced phosphate precipitation (EIPP) for stabilization/solidification (S/S) treatment of heavy metal tailings. <i>Construction and Building Materials</i> , 2022 , 314, 125577	6.7	2
91	Using hazardous barium slag as a novel admixture for alkali activated slag cement. <i>Cement and Concrete Composites</i> , 2022 , 125, 104332	8.6	2
90	Sewage sludge ash-incorporated stabilisation/solidification for recycling and remediation of marine sediments. <i>Journal of Environmental Management</i> , 2022 , 301, 113877	7.9	3
89	Deep insight on mechanism and contribution of As(V) removal by thermal modification waste concrete powder. <i>Science of the Total Environment</i> , 2022 , 807, 150764	10.2	1
88	Immobilization and recycling of contaminated marine sediments in cement-based materials incorporating iron-biochar composites.. <i>Journal of Hazardous Materials</i> , 2022 , 435, 128971	12.8	2
87	Recycling of phosphogypsum and red mud in low carbon and green cementitious materials for vertical barrier.. <i>Science of the Total Environment</i> , 2022 , 155925	10.2	0
86	Alkaline modification of the acid residue of incinerated sewage sludge ash after phosphorus recovery for heavy metal removal from aqueous solutions. <i>Waste Management</i> , 2021 , 123, 80-87	8.6	4
85	Influence of seawater on the mechanical and microstructural properties of lime-incineration sewage sludge ash pastes. <i>Construction and Building Materials</i> , 2021 , 278, 122364	6.7	3
84	Sustainable advances on phosphorus utilization in soil via addition of biochar and humic substances. <i>Science of the Total Environment</i> , 2021 , 768, 145106	10.2	21
83	Sustainable stabilization/solidification of arsenic-containing soil by blast slag and cement blends. <i>Chemosphere</i> , 2021 , 271, 129868	8.4	15
82	Use of thermally modified waste concrete powder for removal of Pb (II) from wastewater: Effects and mechanism. <i>Environmental Pollution</i> , 2021 , 277, 116776	9.3	7
81	Arsenate(V) removal from aqueous system by using modified incinerated sewage sludge ash (ISSA) as a novel adsorbent. <i>Chemosphere</i> , 2021 , 270, 129423	8.4	6
80	Use of self-hardening slurry for trench cutoff wall: A review. <i>Construction and Building Materials</i> , 2021 , 286, 122959	6.7	9
79	Production of lightweight aggregate ceramsite from red mud and municipal solid waste incineration bottom ash: Mechanism and optimization. <i>Construction and Building Materials</i> , 2021 , 287, 122993	6.7	12
78	Novel recycling of incinerated sewage sludge ash (ISSA) and waste bentonite as ceramsite for Pb-containing wastewater treatment: Performance and mechanism. <i>Journal of Environmental Management</i> , 2021 , 288, 112382	7.9	7
77	Using MgO activated slag and calcium bentonite slurry to produce a novel vertical barrier material: Performances and mechanisms. <i>Construction and Building Materials</i> , 2021 , 291, 123365	6.7	6

76	Feasibility of wet-extraction of phosphorus from incinerated sewage sludge ash (ISSA) for phosphate fertilizer production: A critical review. <i>Critical Reviews in Environmental Science and Technology</i> , 2021 , 51, 939-971	11.1	21
75	Field investigation of shallow soft-soil highway subgrade treated by mass carbonation technology. <i>Canadian Geotechnical Journal</i> , 2021 , 58, 97-113	3.2	1
74	Geoenvironmental properties of industrially contaminated site soil solidified/stabilized with a sustainable by-product-based binder. <i>Science of the Total Environment</i> , 2021 , 765, 142778	10.2	10
73	Utilization of glass cullet to enhance the performance of recycled aggregate unbound sub-base. <i>Journal of Cleaner Production</i> , 2021 , 288, 125083	10.3	4
72	Hydration, mechanical properties and microstructure of lime-pozzolana pastes by recycling waste sludge ash under marine environment. <i>Journal of Cleaner Production</i> , 2021 , 310, 127441	10.3	1
71	Effect of NaCl and MgCl ₂ on the hydration of lime-pozzolan blend by recycling sewage sludge ash. <i>Journal of Cleaner Production</i> , 2021 , 313, 127759	10.3	2
70	Freezing-thawing performance of reactive MgO-admixed silty clay subjected to forced carbonation. <i>Cold Regions Science and Technology</i> , 2021 , 189, 103330	3.8	1
69	New methods for quantification of Fenton's reagent addition based on aged sludge indicators to improve filterability. <i>Journal of Hazardous Materials</i> , 2021 , 418, 126254	12.8	1
68	Immobilization of high-Pb contaminated soil by oxalic acid activated incinerated sewage sludge ash. <i>Environmental Pollution</i> , 2021 , 284, 117120	9.3	2
67	Recycling sediment, calcium carbide slag and ground granulated blast-furnace slag into novel and sustainable cementitious binder for production of eco-friendly mortar. <i>Construction and Building Materials</i> , 2021 , 305, 124772	6.7	10
66	Design optimization and characterization of a green product by combined geopolymerization of sewage sludge ash with metakaolin. <i>Applied Clay Science</i> , 2021 , 214, 106271	5.2	0
65	Novel recycling of phosphorus-recovered incinerated sewage sludge ash residues by co-pyrolysis with lignin for reductive/sorptive removal of hexavalent chromium from aqueous solutions. <i>Chemosphere</i> , 2021 , 285, 131434	8.4	4
64	Novel microcapsules for internal curing of high-performance cementitious system. <i>Scientific Reports</i> , 2020 , 10, 8318	4.9	3
63	Sewage sludge ash: A comparative evaluation with fly ash for potential use as lime-pozzolan binders. <i>Construction and Building Materials</i> , 2020 , 242, 118160	6.7	16
62	Hydraulic conductivity characteristics of carbonated reactive magnesia-treated silt. <i>Bulletin of Engineering Geology and the Environment</i> , 2020 , 79, 3033-3047	4	9
61	Phosphorus (P) recovery and reuse as fertilizer from incinerated sewage sludge ash (ISSA) 2020 , 263-288		
60	Properties of sustainable cellular concrete prepared with environment-friendly capsule aggregates. <i>Journal of Cleaner Production</i> , 2020 , 267, 122018	10.3	7
59	Engineering and microstructure properties of contaminated marine sediments solidified by high content of incinerated sewage sludge ash. <i>Journal of Rock Mechanics and Geotechnical Engineering</i> , 2020 ,	5.3	4

58	Bioremediation of water containing pesticides by microalgae: Mechanisms, methods, and prospects for future research. <i>Science of the Total Environment</i> , 2020 , 707, 136080	10.2	112
57	Investigation of cold bonded lightweight aggregates produced with incineration sewage sludge ash (ISSA) and cementitious waste. <i>Journal of Cleaner Production</i> , 2020 , 251, 119709	10.3	15
56	Highly enhanced degradation of organic pollutants in hematite/sulfite/photo system. <i>Chemical Engineering Journal</i> , 2020 , 386, 124007	14.7	21
55	Sludge biochar as a green additive in cement-based composites: Mechanical properties and hydration kinetics. <i>Construction and Building Materials</i> , 2020 , 262, 120723	6.7	22
54	Bacterial-induced mineralization (BIM) for soil solidification and heavy metal stabilization: A critical review. <i>Science of the Total Environment</i> , 2020 , 746, 140967	10.2	28
53	Manufacturing and performance of environment-friendly lightweight aggregates with core-shell structure. <i>Journal of Cleaner Production</i> , 2020 , 276, 123157	10.3	2
52	Porous biochar-nanoscale zero-valent iron composites: Synthesis, characterization and application for lead ion removal. <i>Science of the Total Environment</i> , 2020 , 746, 141037	10.2	41
51	Recycling incinerated sewage sludge ash (ISSA) as a cementitious binder by lime activation. <i>Journal of Cleaner Production</i> , 2020 , 244, 118856	10.3	35
50	Use of Mg/Ca modified biochars to take up phosphorus from acid-extract of incinerated sewage sludge ash (ISSA) for fertilizer application. <i>Journal of Cleaner Production</i> , 2020 , 244, 118853	10.3	49
49	Recycling hazardous textile effluent sludge in cement-based construction materials: Physicochemical interactions between sludge and cement. <i>Journal of Hazardous Materials</i> , 2020 , 381, 121034	12.8	14
48	Using incinerated sewage sludge ash as a high-performance adsorbent for lead removal from aqueous solutions: Performances and mechanisms. <i>Chemosphere</i> , 2019 , 226, 587-596	8.4	22
47	Development of a Novel Binder Using Lime and Incinerated Sewage Sludge Ash to Stabilize and Solidify Contaminated Marine Sediments with High Water Content as a Fill Material. <i>Journal of Materials in Civil Engineering</i> , 2019 , 31, 04019245	3	12
46	Recycling of incinerated sewage sludge ash as an adsorbent for heavy metals removal from aqueous solutions. <i>Journal of Environmental Management</i> , 2019 , 247, 509-517	7.9	21
45	Leaching Behavior and Mechanism of S/S-Treated Pb-Contaminated Soil Under Erosive Environment. <i>Springer Theses</i> , 2019 , 131-156	0.1	0
44	Effect of ferrous sulfate dosage and soil particle size on leachability and species distribution of chromium in hexavalent chromium-contaminated soil stabilized by ferrous sulfate. <i>Environmental Progress and Sustainable Energy</i> , 2019 , 38, 500-507	2.5	12
43	Improved photocatalytic nitrogen oxides removal using recycled glass-nano-TiO ₂ composites with NaOH pre-treatment. <i>Journal of Cleaner Production</i> , 2019 , 209, 1095-1104	10.3	17
42	Sustainable reclamation of phosphorus from incinerated sewage sludge ash as value-added struvite by chemical extraction, purification and crystallization. <i>Journal of Cleaner Production</i> , 2018 , 181, 717-725	10.3	54
41	Coupling model of aerobic waste degradation considering temperature, initial moisture content and air injection volume. <i>Waste Management and Research</i> , 2018 , 36, 277-287	4	4

40	Structure and properties of vanadium-doped γ -MnO ₂ and enhanced Pb ²⁺ adsorption phenol/photocatalytic degradation. <i>Materials Chemistry and Physics</i> , 2018 , 208, 258-267	4.4	17
39	Change in re-use value of incinerated sewage sludge ash due to chemical extraction of phosphorus. <i>Waste Management</i> , 2018 , 74, 404-412	8.6	38
38	Corn straw-derived biochar impregnated with γ -FeOOH nanorods for highly effective copper removal. <i>Chemical Engineering Journal</i> , 2018 , 348, 191-201	14.7	110
37	Recovery of phosphorus from incinerated sewage sludge ash by combined two-step extraction and selective precipitation. <i>Chemical Engineering Journal</i> , 2018 , 348, 74-83	14.7	58
36	Three-dimensional spatial variability of arsenic-containing soil from geogenic source in Hong Kong: Implications on sampling strategies. <i>Science of the Total Environment</i> , 2018 , 633, 836-847	10.2	11
35	Green remediation of contaminated sediment by stabilization/solidification with industrial by-products and CO utilization. <i>Science of the Total Environment</i> , 2018 , 631-632, 1321-1327	10.2	71
34	Effects of low-alkalinity binders on stabilization/solidification of geogenic As-containing soils: Spectroscopic investigation and leaching tests. <i>Science of the Total Environment</i> , 2018 , 631-632, 1486-1494	10.2	33
33	Speciation, mobilization, and bioaccessibility of arsenic in geogenic soil profile from Hong Kong. <i>Environmental Pollution</i> , 2018 , 232, 375-384	9.3	58
32	Low-carbon and low-alkalinity stabilization/solidification of high-Pb contaminated soil. <i>Chemical Engineering Journal</i> , 2018 , 351, 418-427	14.7	128
31	Recycling dredged sediment into fill materials, partition blocks, and paving blocks: Technical and economic assessment. <i>Journal of Cleaner Production</i> , 2018 , 199, 69-76	10.3	67
30	Effects of Mn average oxidation state on the oxidation behaviors of As(III) and Cr(III) by vernadite. <i>Applied Geochemistry</i> , 2018 , 94, 35-45	3.5	12
29	Fabrication and characterization of hydrophilic corn stalk biochar-supported nanoscale zero-valent iron composites for efficient metal removal. <i>Bioresource Technology</i> , 2018 , 265, 490-497	11	176
28	Phosphorus recovery and leaching of trace elements from incinerated sewage sludge ash (ISSA). <i>Chemosphere</i> , 2018 , 193, 278-287	8.4	62
27	Compressive strength and microstructural properties of dry-mixed geopolymer pastes synthesized from GGBS and sewage sludge ash. <i>Construction and Building Materials</i> , 2018 , 182, 597-607	6.7	44
26	Innovative solidification/stabilization of lead contaminated soil using incineration sewage sludge ash. <i>Chemosphere</i> , 2017 , 173, 143-152	8.4	56
25	Arsenic-containing soil from geogenic source in Hong Kong: Leaching characteristics and stabilization/solidification. <i>Chemosphere</i> , 2017 , 182, 31-39	8.4	87
24	Fate of arsenic before and after chemical-enhanced washing of an arsenic-containing soil in Hong Kong. <i>Science of the Total Environment</i> , 2017 , 599-600, 679-688	10.2	77
23	Factors affecting the leaching behaviors of magnesium phosphate cement-stabilized/solidified Pb-contaminated soil, part II: Dosage and curing age. <i>Environmental Progress and Sustainable Energy</i> , 2017 , 36, 1351-1357	2.5	12

22	Recycling of incinerated sewage sludge ash and cathode ray tube funnel glass in cement mortars. <i>Journal of Cleaner Production</i> , 2017 , 152, 142-149	10.3	37
21	Characteristics and metal leachability of incinerated sewage sludge ash and air pollution control residues from Hong Kong evaluated by different methods. <i>Waste Management</i> , 2017 , 64, 161-170	8.6	43
20	Transforming wood waste into water-resistant magnesia-phosphate cement particleboard modified by alumina and red mud. <i>Journal of Cleaner Production</i> , 2017 , 168, 452-462	10.3	54
19	Fate of metals before and after chemical extraction of incinerated sewage sludge ash. <i>Chemosphere</i> , 2017 , 186, 350-359	8.4	19
18	Dynamic leaching behavior of geogenic As in soils after cement-based stabilization/solidification. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 27822-27832	5.1	12
17	Investigation of the leaching behavior of lead in stabilized/solidified waste using a two-year semi-dynamic leaching test. <i>Chemosphere</i> , 2017 , 166, 1-7	8.4	32
16	Experimental study on the microstructure and mechanical behaviors of leachate-polluted compacted clay. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	5
15	Leaching characteristics of chlorine from municipal solid waste incineration fly ash by up-flow percolation column tests. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	4
14	Comparison of solidification/stabilization of lead contaminated soil between magnesia-phosphate cement and ordinary portland cement under the same dosage. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 88-94	2.5	15
13	Effects of pH on leaching behavior of compacted cement solidified/stabilized lead contaminated soil. <i>Environmental Progress and Sustainable Energy</i> , 2016 , 35, 149-155	2.5	20
12	Evaluation of leaching characteristics of heavy metals from municipal solid waste incineration fly ash by up-flow percolation column tests. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	7
11	Enhanced washing for Cr(VI) removal from contaminated soil using EDTA and microwave radiation. <i>Environmental Earth Sciences</i> , 2015 , 74, 2167-2172	2.9	7
10	Solidification/stabilization of lead-contaminated soil using cement and waste phosphorus slag. <i>Environmental Progress and Sustainable Energy</i> , 2015 , 34, 957-963	2.5	17
9	Precipitates in landfill leachate mediated by dissolved organic matters. <i>Journal of Hazardous Materials</i> , 2015 , 287, 278-86	12.8	10
8	Effect of lead (II) on the mechanical behavior and microstructure development of a Chinese clay. <i>Applied Clay Science</i> , 2015 , 105-106, 192-199	5.2	25
7	Effect of drying-wetting cycles on leaching behavior of cement solidified lead-contaminated soil. <i>Chemosphere</i> , 2014 , 117, 10-3	8.4	29
6	Effect of Compaction Degree on Solidification Characteristics of Pb-Contaminated Soil Treated by Cement. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1126-1132	1.6	13
5	Removal of Heavy Metals from Landfill Leachate Using Municipal Solid Waste Incineration Fly Ash as Adsorbent. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1626-1631	1.6	17

4	Dynamic behavior of asphalt pavement structure under temperature-stress coupled loading. <i>Applied Thermal Engineering</i> , 2013 , 53, 1-7	5.8	28
3	Influence of leachate pollution on mechanical properties of compacted clay: A case study on behaviors and mechanisms. <i>Engineering Geology</i> , 2013 , 167, 128-133	6	28
2	Experimental study on anti-seepage grout made of leachate contaminated clay in landfill. <i>Applied Clay Science</i> , 2013 , 80-81, 438-442	5.2	30
1	Compound stabilization/solidification of MSWI fly ash with trimercapto-s-triazine and cement. <i>Water Science and Technology</i> , 2012 , 66, 689-94	2.2	5