

Xianjia Peng

List of Publications by Year in descending order

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51
papers

954
citations

430874

18
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501196

28
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51
all docs

51
docs citations

51
times ranked

971
citing authors

#	ARTICLE	IF	CITATIONS
1	Montmorilloniteâ€“Cu(II)/Fe(III) oxides magnetic material as adsorbent for removal of humic acid and its thermal regeneration. <i>Chemosphere</i> , 2006, 63, 300-306.	8.2	91
2	Evaluation of a novel composite inorganic coagulant prepared by red mud for phosphate removal. <i>Desalination</i> , 2011, 273, 414-420.	8.2	61
3	Aqueous stability of oxidized carbon nanotubes and the precipitation by salts. <i>Journal of Hazardous Materials</i> , 2009, 165, 1239-1242.	12.4	54
4	Removal of Arsenic from Strongly Acidic Wastewater Using Phosphorus Pentasulfide As Precipitant: UV-Light Promoted Sulfuration Reaction and Particle Aggregation. <i>Environmental Science & Technology</i> , 2018, 52, 4794-4801.	10.0	46
5	Mechanisms of UV-Light Promoted Removal of As(V) by Sulfide from Strongly Acidic Wastewater. <i>Environmental Science & Technology</i> , 2017, 51, 12583-12591.	10.0	42
6	Sorption of endrin to montmorillonite and kaolinite clays. <i>Journal of Hazardous Materials</i> , 2009, 168, 210-214.	12.4	37
7	Removal of Chloride Ions from Strongly Acidic Wastewater Using Cu(0)/Cu(II): Efficiency Enhancement by UV Irradiation and the Mechanism for Chloride Ions Removal. <i>Environmental Science & Technology</i> , 2019, 53, 383-389.	10.0	36
8	Specific H ₂ S Release from Thiosulfate Promoted by UV Irradiation for Removal of Arsenic and Heavy Metals from Strongly Acidic Wastewater. <i>Environmental Science & Technology</i> , 2020, 54, 14076-14084.	10.0	33
9	UV-Improved Removal of Chloride Ions from Strongly Acidic Wastewater Using Bi ₂ O ₃ : Efficiency Enhancement and Mechanisms. <i>Environmental Science & Technology</i> , 2019, 53, 10371-10378.	10.0	30
10	Silver nanoparticles decorated anatase TiO ₂ nanotubes for removal of pentachlorophenol from water. <i>Journal of Colloid and Interface Science</i> , 2015, 453, 100-106.	9.4	28
11	UV-Light-Induced Aggregation of Arsenic and Metal Sulfide Particles in Acidic Wastewater: The Role of Free Radicals. <i>Environmental Science & Technology</i> , 2018, 52, 10719-10727.	10.0	28
12	Regeneration of carbon nanotubes exhausted with dye reactive red 3BS using microwave irradiation. <i>Journal of Hazardous Materials</i> , 2010, 178, 1125-1127.	12.4	27
13	Sulfate radical-based removal of chloride ion from strongly acidic wastewater: Kinetics and mechanism. <i>Journal of Hazardous Materials</i> , 2021, 410, 124540.	12.4	27
14	Photo-induced dissolution of Bi ₂ O ₃ during photocatalysis reactions: Mechanisms and inhibition method. <i>Journal of Hazardous Materials</i> , 2021, 412, 125267.	12.4	23
15	A review on the removal of Cl(-I) with high concentration from industrial wastewater: Approaches and mechanisms. <i>Science of the Total Environment</i> , 2022, 824, 153909.	8.0	23
16	Release kinetics of vanadium from vanadium (III, IV and V) oxides: Effect of pH, temperature and oxide dose. <i>Journal of Environmental Sciences</i> , 2018, 67, 96-103.	6.1	22
17	UV light irradiation improves the aggregation and settling performance of metal sulfide particles in strongly acidic wastewater. <i>Water Research</i> , 2019, 163, 114860.	11.3	22
18	Removal of fluoride from zinc sulfate solution by in situ Fe(III) in a cleaner desulfuration process. <i>Journal of Cleaner Production</i> , 2017, 164, 163-170.	9.3	20

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19	A novel precipitant for the selective removal of fluoride ion from strongly acidic wastewater: Synthesis, efficiency, and mechanism. <i>Journal of Hazardous Materials</i> , 2021, 403, 124039.	12.4	20
20	Oxidized carbon nanotubes for simultaneous removal of endrin and Cd(I) from water and their separation from water. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 275-278.	3.2	18
21	Removal of Cl(-I) from strongly acidic wastewater containing Cu(II) by complexation-precipitation using thiourea: Efficiency enhancement by ascorbic acid. <i>Journal of Hazardous Materials</i> , 2021, 402, 123836.	12.4	18
22	Removal of Ni(II) from strongly acidic wastewater by chelating precipitation and recovery of NiO from the precipitates. <i>Journal of Environmental Sciences</i> , 2021, 104, 365-375.	6.1	16
23	Reduction of phosphorus release from high phosphorus soil by red mud. <i>Environmental Earth Sciences</i> , 2012, 65, 581-588.	2.7	15
24	Release kinetics of vanadium from vanadium titano-magnetite: The effects of pH, dissolved oxygen, temperature and foreign ions. <i>Journal of Environmental Sciences</i> , 2018, 64, 298-305.	6.1	14
25	Calcium sulfide-organosilicon complex for sustained release of H ₂ S in strongly acidic wastewater: Synthesis, mechanism and efficiency. <i>Journal of Hazardous Materials</i> , 2022, 421, 126745.	12.4	14
26	Immobilization of Cd, Zn and Pb in sewage sludge using red mud. <i>Environmental Earth Sciences</i> , 2012, 66, 1321-1328.	2.7	13
27	Mobilization of arsenic from contaminated sediment by anionic and nonionic surfactants. <i>Journal of Environmental Sciences</i> , 2017, 56, 281-289.	6.1	12
28	Mechanism for Photopromoted Release of Vanadium from Vanadium Titano-Magnetite. <i>Environmental Science & Technology</i> , 2018, 52, 1954-1962.	10.0	12
29	Recovery of Re(VII) from strongly acidic wastewater using sulphide: Acceleration by UV irradiation and the underlying mechanism. <i>Journal of Hazardous Materials</i> , 2021, 416, 126233.	12.4	12
30	Reductive Removal and Recovery of As(V) and As(III) from Strongly Acidic Wastewater by a UV/Formic Acid Process. <i>Environmental Science & Technology</i> , 2022, 56, 9732-9743.	10.0	12
31	Effects of red mud addition on cadmium accumulation in cole (<i>Brassica campestris</i> L.) under high fertilization conditions. <i>Journal of Soils and Sediments</i> , 2016, 16, 2097-2104.	3.0	11
32	Preparation of coagulant from red mud and semi-product of polyaluminum chloride for removal of phosphate from water. <i>Desalination and Water Treatment</i> , 2012, 40, 153-158.	1.0	10
33	Fullerol-facilitated transport of copper ions in water-saturated porous media: Influencing factors and mechanism. <i>Journal of Hazardous Materials</i> , 2017, 340, 96-103.	12.4	10
34	Removal of Cl(â~I) from strongly acidic wastewater using NaBiO ₃ : A process of simultaneous oxidation and precipitation. <i>Desalination</i> , 2020, 491, 114566.	8.2	10
35	Hydrophilicity/hydrophobicity of metal sulfide particles as a determinant of aggregation performance in wastewater. <i>Journal of Water Process Engineering</i> , 2021, 40, 101900.	5.6	10
36	Immobilization of phosphorus in sewage sludge using inorganic amendments. <i>Environmental Earth Sciences</i> , 2011, 63, 221-228.	2.7	9

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37	H ₂ S release rate strongly affects particle size and settling performance of metal sulfides in acidic wastewater: The role of homogeneous and heterogeneous nucleation. <i>Journal of Hazardous Materials</i> , 2022, 438, 129484.	12.4	9
38	Aging of solidified/stabilized electrolytic manganese solid waste with accelerated carbonation and aging inhibition. <i>Environmental Science and Pollution Research</i> , 2016, 23, 24195-24204.	5.3	7
39	Aqueous stability and mobility of C ₆₀ complexed by sodium dodecyl benzene sulfonate surfactant. <i>Journal of Environmental Sciences</i> , 2016, 42, 89-96.	6.1	7
40	The mechanism for promoted oxygenation of V(IV) by goethite: Positive effect of surface hydroxyl groups. <i>Journal of Hazardous Materials</i> , 2019, 369, 254-260.	12.4	7
41	Zirconia Pillared Montmorillonite for Removal of Arsenate from Water. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2005, 40, 1055-1067.	1.7	6
42	Evaluation of chemical immobilization treatments for reducing arsenic transport in red mud. <i>Environmental Earth Sciences</i> , 2013, 70, 1775-1782.	2.7	6
43	Arsenic retention and transport behavior in the presence of typical anionic and nonionic surfactants. <i>Journal of Environmental Sciences</i> , 2016, 39, 249-258.	6.1	5
44	Clean and effective removal of Cl(-) from strongly acidic wastewater by PbO ₂ . <i>Journal of Environmental Sciences</i> , 2022, 120, 1-8.	6.1	5
45	Chemical solidification/stabilization of arsenic sulfide and oxide mixed wastes using elemental sulfur: Efficiencies, mechanisms and long-term stabilization enhancement by dicyclopentadiene. <i>Journal of Hazardous Materials</i> , 2021, 419, 126390.	12.4	4
46	Adsorption of p-Nitrophenol onto PDMDAAC-Modified Bentonites. <i>Adsorption Science and Technology</i> , 2005, 23, 407-416.	3.2	3
47	Organic ligand induced release of vanadium from the dissolution of stone coal oxide ore. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17891-17900.	5.3	3
48	The Recycling of Acid Wastewater with High Concentrations of Organic Matter: Recovery of H ₂ SO ₄ and Preparation of Activated Carbon. <i>Water (Switzerland)</i> , 2022, 14, 183.	2.7	3
49	Immobilization of phosphorus, copper, zinc and arsenic in swine manure by activated red mud. <i>Environmental Earth Sciences</i> , 2014, 71, 2005-2014.	2.7	1
50	Effect of fullerol nanoparticles on the transport and release of copper ions in saturated porous media. <i>Environmental Science and Pollution Research</i> , 2019, 26, 15255-15261.	5.3	1
51	Improving removal rate and efficiency of As(V) by sulfide from strongly acidic wastewater in a modified photochemical reactor. <i>Environmental Technology (United Kingdom)</i> , 2022, 43, 2329-2341.	2.2	1