

Zhang Lin

List of Publications by Year in descending order

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310
papers

16,689
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12330

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113
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all docs

316
docs citations

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times ranked

17522
citing authors

#	ARTICLE	IF	CITATIONS
1	One-step removal of high-concentration arsenic from wastewater to form Johnbaumite using arsenic-bearing gypsum. <i>Journal of Hazardous Materials</i> , 2022, 424, 127585.	12.4	9
2	Towards a broad-operation window for stable CO ₂ electroreduction to HCOOH by a design involving upcycling electroplating sludge-derived Sn@N/P-doped carbon. <i>Environmental Science: Nano</i> , 2022, 9, 511-522.	4.3	5
3	Solidification/stabilization of highly toxic arsenic-alkali residue by MSWI fly ash-based cementitious material containing Friedelite salt: Efficiency and mechanism. <i>Journal of Hazardous Materials</i> , 2022, 425, 127992.	12.4	29
4	Efficient immobilization and utilization of chromite ore processing residue via hydrothermally constructing spinel phase Fe ₂ (Cr ₃ +X, Fe ₃ +2-x)O ₄ and its magnetic separation. <i>Science of the Total Environment</i> , 2022, 813, 152637.	8.0	10
5	Microinteraction Analysis between Heavy Metals and Coexisting Phases in Heavy Metal Containing Solid Wastes. <i>ACS ES&T Engineering</i> , 2022, 2, 547-563.	7.6	8
6	Spatially separated oxygen vacancies and nickel sites for ensemble promotion of selective CO ₂ photoreduction to CO. <i>Cell Reports Physical Science</i> , 2022, 3, 100724.	5.6	12
7	Boosting CO ₂ electroreduction towards C ₂₊ products <i>via</i> CO* intermediate manipulation on copper-based catalysts. <i>Environmental Science: Nano</i> , 2022, 9, 911-953.	4.3	23
8	Identification of the active site during CF ₄ hydrolytic decomposition over β-Al ₂ O ₃ . <i>Environmental Science: Nano</i> , 2022, 9, 954-963.	4.3	6
9	Effective separation and recovery of Zn, Cu, and Cr from electroplating sludge based on differential phase transformation induced by chlorinating roasting. <i>Science of the Total Environment</i> , 2022, 820, 153260.	8.0	20
10	Mechanisms of Pb(II) coprecipitation with natrojarosite and its behavior during acid dissolution. <i>Journal of Environmental Sciences</i> , 2022, 122, 128-137.	6.1	9
11	Accelerating CO ₂ Electroreduction to Multicarbon Products via Synergistic Electric-Thermal Field on Copper Nanoneedles. <i>Journal of the American Chemical Society</i> , 2022, 144, 3039-3049.	13.7	147
12	Separation of lattice-incorporated Cr(<i>vi</i>) from calcium carbonate by converting microcrystals into nanocrystals <i>via</i> the carbonation pathway based on the density functional theory study of incorporation energy. <i>Environmental Science: Nano</i> , 2022, 9, 1617-1626.	4.3	16
13	C-Doped KNbO ₃ single crystals for enhanced piezocatalytic intermediate water splitting. <i>Environmental Science: Nano</i> , 2022, 9, 1952-1960.	4.3	13
14	Highly efficient photocatalytic degradation of the emerging pollutant ciprofloxacin <i>via</i> the rational design of a magnetic interfacial junction of mangosteen peel waste-derived 3D graphene hybrid material. <i>Environmental Science: Nano</i> , 2022, 9, 1298-1314.	4.3	16
15	Spontaneous separation of Pb from PbSO ₄ -coprecipitated jarosite using freeze-thaw cycling with thiourea. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 1019-1030.	4.2	7
16	Insights into CO ₂ adsorption on KOH-activated biochars derived from the mixed sewage sludge and pine sawdust. <i>Science of the Total Environment</i> , 2022, 826, 154133.	8.0	40
17	Upcycling of electroplating sludge into Fe ₃ C-decorated N,P dual-doped porous carbon via microalgae as efficient sulfur host for lithium-sulfur batteries. <i>Surfaces and Interfaces</i> , 2022, 30, 101869.	3.0	6
18	Tailoring the crystal forms of the Ni-MOF catalysts for enhanced photocatalytic CO ₂ -to-CO performance. <i>Applied Catalysis B: Environmental</i> , 2022, 309, 121232.	20.2	74

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19	Highly efficient adsorption of chromium on N, S-codoped porous carbon materials derived from paper sludge. <i>Science of the Total Environment</i> , 2022, 834, 155312.	8.0	17
20	Insights into the activity of single-atom Fe-N-C catalysts for oxygen reduction reaction. <i>Nature Communications</i> , 2022, 13, 2075.	12.8	197
21	Robust route to photocatalytic nitrogen fixation mediated by capitalizing on defect-tailored InVO ₄ nanosheets. <i>Environmental Science: Nano</i> , 2022, 9, 1996-2005.	4.3	13
22	Renewable biochar derived from mixed sewage sludge and pine sawdust for carbon dioxide capture. <i>Environmental Pollution</i> , 2022, 306, 119399.	7.5	25
23	The high efficient Sb(III) removal by cauliflower like amorphous nanoscale zero-valent iron (A-nZVI). <i>Journal of Hazardous Materials</i> , 2022, 436, 129056.	12.4	27
24	Minimizing Fe-Bearing Waste Guided by Modulating the Precipitation Pathway: A Novel Magnetite Precipitation Approach for Zinc Hydrometallurgy. <i>ACS ES&T Engineering</i> , 2022, 2, 1611-1618.	7.6	6
25	Accelerated Degradation of Microplastics at the Liquid Interface of Ice Crystals in Frozen Aqueous Solutions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	31
26	Interaction of pyrite with zerovalent iron with superior reductive ability via Fe(⁰) regeneration. <i>Environmental Science: Nano</i> , 2022, 9, 2713-2725.	4.3	4
27	Removal of As(V) by iron-based nanoparticles synthesized via the complexation of biomolecules in green tea extracts and an iron salt. <i>Science of the Total Environment</i> , 2021, 764, 142883.	8.0	23
28	Immobilized Co ²⁺ and Cu ²⁺ induced structural change of layered double hydroxide for efficient heterogeneous degradation of antibiotic. <i>Journal of Hazardous Materials</i> , 2021, 403, 123554.	12.4	20
29	The removal of heavy metal cations by sulfidated nanoscale zero-valent iron (S-nZVI): The reaction mechanisms and the role of sulfur. <i>Journal of Hazardous Materials</i> , 2021, 404, 124057.	12.4	93
30	Synthesis of NiFeAl LDHs from electroplating sludge and Their excellent supercapacitor performance. <i>Journal of Hazardous Materials</i> , 2021, 404, 124113.	12.4	34
31	Boosted photoreduction of diluted CO ₂ through oxygen vacancy engineering in NiO nanoplatelets. <i>Nano Research</i> , 2021, 14, 730-737.	10.4	49
32	Photoconversion of anthropogenic CO ₂ into tunable syngas over industrial wastes derived metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2021, 283, 119594.	20.2	38
33	Enhanced removal of zinc and cadmium from water using carboxymethyl cellulose-bridged chlorapatite nanoparticles. <i>Chemosphere</i> , 2021, 263, 128038.	8.2	14
34	Analysis of the characteristics of phosphine production by anaerobic digestion based on microbial community dynamics, metabolic pathways, and isolation of the phosphate-reducing strain. <i>Chemosphere</i> , 2021, 262, 128213.	8.2	21
35	Recent progress in understanding the mechanism of heavy metals retention by iron (oxyhydr)oxides. <i>Science of the Total Environment</i> , 2021, 752, 141930.	8.0	172
36	Fe(II)-induced transformation of Jarosite residues generated from zinc hydrometallurgy: Influence on metals behaviors during acid washing. <i>Hydrometallurgy</i> , 2021, 200, 105523.	4.3	15

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37	Simultaneous immobilization of multi-metals in a field contaminated acidic soil using carboxymethyl-cellulose-bridged nano-chlorapatite and calcium oxide. <i>Journal of Hazardous Materials</i> , 2021, 407, 124786.	12.4	18
38	Lattice-strained nanotubes facilitate efficient natural sunlight-driven CO ₂ photoreduction. <i>Nano Research</i> , 2021, 14, 2558-2567.	10.4	17
39	Recent advances in metal/ceria catalysts for air pollution control: mechanism insight and application. <i>Environmental Science: Nano</i> , 2021, 8, 2760-2779.	4.3	8
40	Rational construction of covalent organic frameworks with multi-site functional groups for highly efficient removal of low-concentration U(^{VI}) from water. <i>Environmental Science: Nano</i> , 2021, 8, 1469-1480.	4.3	23
41	Novel nitrogen-doped KFeS ₂ /C composites for the efficient removal of Cr(^{VI}). <i>Environmental Science: Nano</i> , 2021, 8, 1057-1066.	4.3	14
42	Efficient upcycling electroplating sludge and waste PET into Ni-MOF nanocrystals for the effective photoreduction of CO ₂ . <i>Environmental Science: Nano</i> , 2021, 8, 390-398.	4.3	19
43	Lattice-strained nickel hydroxide nanosheets for the boosted diluted CO ₂ photoreduction. <i>Environmental Science: Nano</i> , 2021, 8, 2360-2371.	4.3	12
44	CoSe@N-Doped Carbon Nanotubes as a Potassium-Ion Battery Anode with High Initial Coulombic Efficiency and Superior Capacity Retention. <i>ACS Nano</i> , 2021, 15, 1121-1132.	14.6	98
45	A Rapid and Robust Light-and-Solution-Triggered In Situ Crafting of Organic Passivating Membrane over Metal Halide Perovskites for Markedly Improved Stability and Photocatalysis. <i>Nano Letters</i> , 2021, 21, 1643-1650.	9.1	40
46	Quaternary amine synthesized ionic polymer for efficient removal of Cr(VI) in waste water. <i>Surfaces and Interfaces</i> , 2021, 23, 101031.	3.0	1
47	Biomimetic inspired porphyrin-based nanoframes for highly efficient photocatalytic CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2021, 411, 128414.	12.7	31
48	Insight into the roles of endogenous minerals in the activation of persulfate by graphitized biochar for tetracycline removal. <i>Science of the Total Environment</i> , 2021, 768, 144281.	8.0	35
49	The algicidal efficacy and the mechanism of <i>Enterobacter</i> sp. EA-1 on <i>Oscillatoria</i> dominating in aquaculture system. <i>Environmental Research</i> , 2021, 197, 111105.	7.5	11
50	Understanding and controlling the key phase transformation for selective extracting Ni and Cu from Cr-containing electroplating sludge. <i>Surfaces and Interfaces</i> , 2021, 24, 101090.	3.0	10
51	Hydrothermal alkaline conversion of sewage sludge: optimization of process parameters and characterization of humic acid. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57695-57705.	5.3	9
52	Investigation on the treatment of Cr(VI) by <i>Bacillus cereus</i> 12-2 under metal cation. <i>Surfaces and Interfaces</i> , 2021, 24, 101141.	3.0	3
53	Evaluation of three common alkaline agents for immobilization of multi-metals in a field-contaminated acidic soil. <i>Environmental Science and Pollution Research</i> , 2021, 28, 60765-60777.	5.3	3
54	High-efficiency adsorption of Cr(VI) and RhB by hierarchical porous carbon prepared from coal gangue. <i>Chemosphere</i> , 2021, 275, 130008.	8.2	38

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55	One-step extraction of high-purity CuCl ₂ ·2H ₂ O from copper-containing electroplating sludge based on the directional phase conversion. <i>Journal of Hazardous Materials</i> , 2021, 413, 125469.	12.4	27
56	The efficient biomineralization and adsorption of cadmium (Cd ²⁺) using secretory organo-biominerals (SOBs) produced by screened <i>Alcaligenes faecalis</i> K2. <i>Environmental Research</i> , 2021, 199, 111330.	7.5	9
57	Simultaneous separation and immobilization of Cr(VI) from layered double hydroxide via reconstruction of the key phases. <i>Journal of Hazardous Materials</i> , 2021, 416, 125807.	12.4	13
58	An Overlooked Natural Hydrogen Evolution Pathway: Ni ²⁺ Boosting H ₂ O Reduction by Fe(OH) ₂ Oxidation during Low-Temperature Serpentinization. <i>Angewandte Chemie</i> , 2021, 133, 24256-24260.	2.0	5
59	An Overlooked Natural Hydrogen Evolution Pathway: Ni ²⁺ Boosting H ₂ O Reduction by Fe(OH) ₂ Oxidation during Low-Temperature Serpentinization. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 24054-24058.	13.8	25
60	Microwave-enhanced reductive immobilization of high concentrations of chromium in a field soil using iron polysulfide. <i>Journal of Hazardous Materials</i> , 2021, 418, 126293.	12.4	21
61	Synergistic chromium(VI) reduction and phenol oxidative degradation by FeS ₂ /FeO and persulfate. <i>Chemosphere</i> , 2021, 281, 130957.	8.2	24
62	Efficient removal of iron from red gypsum via synergistic regulation of gypsum phase transformation and iron speciation. <i>Science of the Total Environment</i> , 2021, 791, 148319.	8.0	32
63	Efficient stabilization of arsenic in the arsenic-bearing lime-ferrate sludge by zero valent iron-enhanced hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2021, 421, 129683.	12.7	25
64	In-situ synthesized iron-based bimetal promotes efficient removal of Cr(VI) in by zero-valent iron-loaded hydroxyapatite. <i>Journal of Hazardous Materials</i> , 2021, 420, 126540.	12.4	34
65	Immobilization of cadmium in contaminated soils using sulfidated nanoscale zero-valent iron: Effectiveness and remediation mechanism. <i>Journal of Hazardous Materials</i> , 2021, 420, 126605.	12.4	44
66	Preparation of sludge biochar rich in carboxyl/hydroxyl groups by quenching process and its excellent adsorption performance for Cr(VI). <i>Chemosphere</i> , 2021, 285, 131439.	8.2	46
67	Vacancy engineering in nanostructured semiconductors for enhancing photocatalysis. <i>Journal of Materials Chemistry A</i> , 2021, 9, 17143-17172.	10.3	66
68	A highly efficient photoelectrochemical sensor for detection of chlorpyrifos based on 2D/2D Bi ₂ O ₃ /g-C ₃ N ₄ heterojunctions. <i>Environmental Science: Nano</i> , 2021, 8, 773-783.	4.3	33
69	Ultrastrong Anion Affinity of Anionic Clay Induced by Its Inherent Nanoconfinement. <i>Environmental Science & Technology</i> , 2021, 55, 930-940.	10.0	18
70	Engineering Ultrafine NiFe-LDH into Self-Supporting Nanosheets: Separation and Reunion Strategy to Expose Additional Edge Sites for Oxygen Evolution. <i>Small</i> , 2021, 17, e2103785.	10.0	35
71	Understanding and controlling the key crystal phase transformation for recovery of sodium chloride from organic waste salt. <i>Surfaces and Interfaces</i> , 2021, 27, 101499.	3.0	0
72	Bio-inspired hydrogen-bond network for extraction of organometal micropollutants from water. <i>Cell Reports Physical Science</i> , 2021, 2, 100625.	5.6	2

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73	Crystal regulation of gypsum via hydrothermal treatment with hydrogen ion for Cr(VI) extraction. <i>Journal of Hazardous Materials</i> , 2020, 390, 120614.	12.4	15
74	Hierarchical NiCo ₂ O ₄ hollow nanocages for photoreduction of diluted CO ₂ : Adsorption and active sites engineering. <i>Applied Catalysis B: Environmental</i> , 2020, 260, 118208.	20.2	101
75	Identification of the key host phases of Cr in fresh chromite ore processing residue (COPR). <i>Science of the Total Environment</i> , 2020, 703, 135075.	8.0	37
76	Facile Preparation of Super Absorbent from Calcium-Aluminum Waste Residue and Its Application for Adsorption of Congo Red. <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 769-778.	0.9	2
77	Extraction of Cr(VI) from chromite ore processing residue via hydrothermal-assisted phase transformation. <i>Chinese Chemical Letters</i> , 2020, 31, 1956-1960.	9.0	6
78	Ultrathin Co-Co LDHs nanosheets assembled vertically on MXene: 3D nanoarrays for boosted visible-light-driven CO ₂ reduction. <i>Chemical Engineering Journal</i> , 2020, 391, 123519.	12.7	142
79	Global review of phthalates in edible oil: An emerging and nonnegligible exposure source to human. <i>Science of the Total Environment</i> , 2020, 704, 135369.	8.0	56
80	Fe ₂ P-decorated N,P Codoped Carbon Synthesized via Direct Biological Recycling for Endurable Sulfur Encapsulation. <i>ACS Central Science</i> , 2020, 6, 1827-1834.	11.3	27
81	Physicochemical and environmental properties of arsenic sulfide sludge from copper and lead-zinc smelter. <i>Transactions of Nonferrous Metals Society of China</i> , 2020, 30, 1943-1955.	4.2	20
82	Remediation of soil and groundwater contaminated with organic chemicals using stabilized nanoparticles: Lessons from the past two decades. <i>Frontiers of Environmental Science and Engineering</i> , 2020, 14, 1.	6.0	28
83	Role of sulfur atoms in the adsorption of antimony by greigite. <i>Surfaces and Interfaces</i> , 2020, 20, 100584.	3.0	7
84	Convenient fabrication of a core-shell Sn@TiO ₂ anode for lithium storage from tinplate electroplating sludge. <i>Chemical Communications</i> , 2020, 56, 10187-10190.	4.1	16
85	In situ controlled synthesis of porous Fe-N-C materials from oily sludge by chlorinating calcination and their novel application in supercapacitors. <i>Environmental Science: Nano</i> , 2020, 7, 3814-3823.	4.3	12
86	Research progress in the environmental application of magnesium hydroxide nanomaterials. <i>Surfaces and Interfaces</i> , 2020, 21, 100701.	3.0	19
87	Different Pathways for Cr(III) Oxidation: Implications for Cr(VI) Reoccurrence in Reduced Chromite Ore Processing Residue. <i>Environmental Science & Technology</i> , 2020, 54, 11971-11979.	10.0	141
88	Rational Design of FeNi Bimetal Modified Covalent Organic Frameworks for Photoconversion of Anthropogenic CO ₂ into Widely Tunable Syngas. <i>Small</i> , 2020, 16, e2002985.	10.0	39
89	Iron phthalocyanine with coordination induced electronic localization to boost oxygen reduction reaction. <i>Nature Communications</i> , 2020, 11, 4173.	12.8	358
90	Potassium-Ion Batteries: Surface Amorphization of Vanadium Dioxide (B) for K-Ion Battery (Adv. Energy) <i>Tj ETQq0 0 0 rgBTJ/Overlock</i>	19.5	23

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91	Construction of heterostructured NiFe ₂ O ₄ -C nanorods by transition metal recycling from simulated electroplating sludge leaching solution for high performance lithium ion batteries. <i>Nanoscale</i> , 2020, 12, 13398-13406.	5.6	17
92	Preparation of Graphene Like Carbon Composites (GCC) by Hummers Method Using Fly Ash as Carbon Source and Its Removal of Lead from Wastewater. <i>ChemistrySelect</i> , 2020, 5, 6828-6833.	1.5	5
93	Melamine-assisted synthesis of Fe ₃ N featuring highly reversible crystalline-phase transformation for ultrastable sodium ion storage. <i>Journal of Materials Chemistry A</i> , 2020, 8, 6768-6775.	10.3	57
94	NaCl recovery from organic pollutants-containing salt waste via dual effects of aqueous two-phase systems (ATPS) and crystal regulation with acetone. <i>Journal of Cleaner Production</i> , 2020, 260, 121044.	9.3	21
95	Cellulose Mediated Reduction and Immobilization of Cr(VI) in Chromite Ore Processing Residue. <i>Journal of Hazardous Materials</i> , 2020, 394, 122538.	12.4	12
96	Efficient extraction of slowly-released Cr(<i>vi</i>) from nano-sized ion channels in Cr(<i>vi</i>) ettringite from reduced chromite ore processing residue. <i>Environmental Science: Nano</i> , 2020, 7, 1082-1091.	4.3	12
97	High levels of microplastic pollution in aquaculture water of fish ponds in the Pearl River Estuary of Guangzhou, China. <i>Science of the Total Environment</i> , 2020, 744, 140679.	8.0	77
98	Heterointerface Engineering of Hierarchical Bi ₂ S ₃ /MoS ₂ with Self-Generated Rich Phase Boundaries for Superior Sodium Storage Performance. <i>Advanced Functional Materials</i> , 2020, 30, 1910732.	14.9	151
99	Ruthenium Nanoparticles Supported on Mg(OH) ₂ Microflowers as Catalysts for Photothermal Carbon Dioxide Hydrogenation. <i>ACS Applied Nano Materials</i> , 2020, 3, 3028-3033.	5.0	25
100	Targeted conversion of Ni in electroplating sludge to nickel ferrite nanomaterial with stable lithium storage performance. <i>Journal of Hazardous Materials</i> , 2020, 393, 122296.	12.4	73
101	Surface Amorphization of Vanadium Dioxide (B) for K-ion Battery. <i>Advanced Energy Materials</i> , 2020, 10, 2000717.	19.5	109
102	Selective recovery of Cr from electroplating nanosludge <i>via</i> crystal modification and dilute acid leaching. <i>Environmental Science: Nano</i> , 2020, 7, 1593-1601.	4.3	20
103	Preparation of 2D nitrogen-doped magnetic Fe ₃ C/C by in-situ self-assembled double-template method for enhanced removal of Cr(VI). <i>Environmental Pollution</i> , 2020, 263, 114374.	7.5	33
104	Removal of Sb(III) from wastewater by magnesium oxide and the related mechanisms. <i>Environmental Research</i> , 2020, 186, 109489.	7.5	38
105	Synthesis of CoFe ₂ O ₄ /C nano-catalyst with excellent performance by molten salt method and its application in 4-nitrophenol reduction. <i>Environmental Pollution</i> , 2019, 254, 112961.	7.5	34
106	Potentially toxic elements in solid waste streams: Fate and management approaches. <i>Environmental Pollution</i> , 2019, 253, 680-707.	7.5	79
107	General and Scalable Fabrication of Core-Shell Metal Sulfides@C Anchored on 3D N-Doped Foam toward Flexible Sodium Ion Batteries. <i>Small</i> , 2019, 15, e1903259.	10.0	62
108	Nonreductive biomineralization of uranium by <i>Bacillus subtilis</i> ATCC 6633 under aerobic conditions. <i>Journal of Environmental Radioactivity</i> , 2019, 208-209, 106027.	1.7	16

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109	Mechanisms and pathways of debromination of polybrominated diphenyl ethers (PBDEs) in various nano-zerovalent iron-based bimetallic systems. <i>Science of the Total Environment</i> , 2019, 661, 18-26.	8.0	42
110	Removal and recovery of Pb from wastewater through a reversible phase transformation process between nano-flower-like Mg(OH) ₂ and soluble Mg(HCO ₃) ₂ . <i>Environmental Science: Nano</i> , 2019, 6, 467-477.	4.3	18
111	Ferrihydrite transformation under the impact of humic acid and Pb: kinetics, nanoscale mechanisms, and implications for C and Pb dynamics. <i>Environmental Science: Nano</i> , 2019, 6, 747-762.	4.3	59
112	Upcycling of Electroplating Sludge into Ultrafine Sn@C Nanorods with Highly Stable Lithium Storage Performance. <i>Nano Letters</i> , 2019, 19, 1860-1866.	9.1	139
113	PCN-224/rGO nanocomposite based photoelectrochemical sensor with intrinsic recognition ability for efficient <i>p</i> -arsanilic acid detection. <i>Environmental Science: Nano</i> , 2019, 6, 207-215.	4.3	33
114	Adsorption of low-concentration mercury in water by 3D cyclodextrin/graphene composites: Synergistic effect and enhancement mechanism. <i>Environmental Pollution</i> , 2019, 252, 1133-1141.	7.5	33
115	Coupled Kinetics Model for Microbially Mediated Arsenic Reduction and Adsorption/Desorption on Iron Oxides: Role of Arsenic Desorption Induced by Microbes. <i>Environmental Science & Technology</i> , 2019, 53, 8892-8902.	10.0	30
116	Mechanism of As(V) removal by green synthesized iron nanoparticles. <i>Journal of Hazardous Materials</i> , 2019, 379, 120811.	12.4	59
117	Molecular fractionation and sub-nanoscale distribution of dissolved organic matter on allophane. <i>Environmental Science: Nano</i> , 2019, 6, 2037-2048.	4.3	26
118	Immobilization of Uranium at Nanoscale by <i>Bacillus cereus</i> 12-2 at Different U(VI) Concentration. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 7131-7138.	0.9	4
119	Effective capture of aqueous uranium from saline lake with magnesium-based binary and ternary layered double hydroxides. <i>Science of the Total Environment</i> , 2019, 677, 556-563.	8.0	51
120	Synergy between Plasmonic and Electrocatalytic Activation of Methanol Oxidation on Palladium-Silver Alloy Nanotubes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8794-8798.	13.8	120
121	Emerging investigator series: treatment and recycling of heavy metals from nanoslugge. <i>Environmental Science: Nano</i> , 2019, 6, 1657-1673.	4.3	31
122	Powerful uranium extraction strategy with combined ligand complexation and photocatalytic reduction by postsynthetically modified photoactive metal-organic frameworks. <i>Applied Catalysis B: Environmental</i> , 2019, 254, 47-54.	20.2	222
123	Substitution-mediated enhanced adsorption of low concentration As(^v) from water by mesoporous Mn _x Fe _{3x} O ₄ microspheres. <i>Environmental Science: Nano</i> , 2019, 6, 1406-1417.	4.3	4
124	The effects of interaction between vermiculite and manganese dioxide on the environmental geochemical process of thallium. <i>Science of the Total Environment</i> , 2019, 669, 903-910.	8.0	32
125	Simultaneous oxidation of Cr(III) and extraction of Cr(VI) from chromite ore processing residue by silicate-assisted hydrothermal treatment. <i>Chemical Engineering Journal</i> , 2019, 371, 565-574.	12.7	20
126	Mechanism of dry detoxification of chromium slag by carbon monoxide. <i>Environmental Chemistry Letters</i> , 2019, 17, 1375-1381.	16.2	11

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127	Identification of Cr(VI) speciation in ferrous sulfate-reduced chromite ore processing residue (rCOPR) and impacts of environmental factors erosion on Cr(VI) leaching. <i>Journal of Hazardous Materials</i> , 2019, 373, 389-396.	12.4	31
128	Photocatalytic debromination of polybrominated diphenyl ethers (PBDEs) on metal doped TiO ₂ nanocomposites: Mechanisms and pathways. <i>Environment International</i> , 2019, 127, 5-12.	10.0	49
129	Photocatalytic degradation of polybrominated biphenyls (PBBs) on metal doped TiO ₂ nanocomposites in aqueous environments: mechanisms and solution effects. <i>Environmental Science: Nano</i> , 2019, 6, 1111-1120.	4.3	8
130	Efficient removal of low-concentration organoarsenic by Zr-based metal-organic frameworks: cooperation of defects and hydrogen bonds. <i>Environmental Science: Nano</i> , 2019, 6, 3590-3600.	4.3	29
131	Improved Removal of Cr(VI) using Fe ₃ O ₄ /C Magnetic Nanocomposites Derived from Potassium Fulvic Acid. <i>ChemistrySelect</i> , 2019, 4, 13656-13662.	1.5	3
132	2D Heterostructured UNiMOF/g-C ₃ N ₄ for Enhanced Photocatalytic H ₂ Production under Visible-Light Irradiation. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 2492-2499.	6.7	90
133	MOFs-derived ultrathin holey Co ₃ O ₄ nanosheets for enhanced visible light CO ₂ reduction. <i>Applied Catalysis B: Environmental</i> , 2019, 244, 996-1003.	20.2	207
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