Lo Irene M C

List of Articles by Year
in descending order

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Version: 2025-02-01

214 peer-reviewed articles	15,684 peer-reviewed citations	15157 65 peer-reviewed h-index	668423 3.41 score
236 documents	17199 doc citations	18298 67 h-index	24358 citing authors

#	Article	IF	Citations
1	Controlling eukaryotic and prokaryotic harmful algal blooms with visible-light driven BiOBr x I	3.1	17
2	Photoelectrochemical activation of free chlorine utilizing vacancies-engineered BiVO4 photoanode for simultaneous pharmaceuticals and personal care products (PPCPs) degradation and bacterial inactivation: An integrative batch and continuous flow reactor study. Separation and Purification Technology, 2025, 360, 130959.	7.9	4
3	Selective generation of Co(IV)=O in-situ on cobalt-doping MoS2@CC photoanode through photoelectrochemical activation of peroxymonosulfate for efficient antibiotic degradation. Chemical Engineering Journal, 2025, 503, 158606.	8.6	15
4	Mechanistic Insights into Sulfamethazine Degradation by Defect-Rich MnO2-Activated Peracetic Acid. ACS ES&T Engineering, 2025, 5, 607-619.	4.9	9
5	Enhanced micropollutant degradation over catalyst-free synergistic activation of periodate and persulfate under solar light. Environmental Science and Pollution Research, 2025, 32, 16931-16944.	2.6	5
6	Regulating Chlorine Activation Pathways via Triphase Photothermal Catalysis for Enhanced Removal of Emerging Contaminants and Control of Disinfection Byproducts. Environmental Science & Technology, 2025, 59, 15990-16000.	8.5	1
7	Freshwater Microscopic Algae Detection Based on Deep Neural Network with GAN-Based Augmentation for Imbalanced Algal Data. ACS ES&T Water, 2024, 4, 982-990.	3.1	20
8	Advancing phosphate Removal: Unleashing the Adsorption/Desorption potential of La2(CO3)3-Loaded resin by Semi-Fluidized columns and In-Situ regeneration. Separation and Purification Technology, 2024, 341, 126835.	7.9	16
9	Magnetically recyclable nanophotocatalysts in photocatalysis-involving processes for organic pollutant removal from wastewater: current status and perspectives. Environmental Science: Nano, 2024, 11, 1784-1816.	3.1	58
10	Photothermal assisted space-confined chlorine activation for removal of pharmaceuticals and personal care products coupled with disinfection by-products control. Chemical Engineering Journal, 2024, 488, 150787.	8.6	9
11	Regulating charge transfer for enhanced PAA activation over sulfur-doped magnetic CoFe2O4: A novel strategy for simultaneous micropollutants degradation and bacteria inactivation. Water Research, 2024, 256, 121595.	9.9	50
12	Selective phosphate removal by lanthanum carbonate @ anion exchange resin with fixed-bed column: RSM for process optimization and DFT for mechanistic study. Journal of Environmental Chemical Engineering, 2024, 12, 112811.	4.7	5
13	A low-carbon-emission photoelectrochemical system using Ov-Fe2O3@BiVO4 photoanode for integrated multiple pollutant removal and energy harvesting from real saline sewage. Chemical Engineering Journal, 2024, 499, 155840.	8.6	10
14	Facilitating peroxymonosulfate activation for effective antibiotics degradation from drinking water by photoelectrocatalytic system using MoS2 embedded carbon substrate. Chemical Engineering Journal, 2023, 452, 139591.	8.6	38
15	Solar-driven photocatalytic chlorine activation for the simultaneous degradation of pharmaceuticals and personal care products and the inactivation of Escherichia coli in drinking water. Chemosphere, 2023, 311, 137019.	5.0	9
16	Comprehensive review and future research directions on using various lanthanum-based adsorbents for selective phosphate removal. Clean Technologies and Environmental Policy, 2023, 25, 1783-1805.	2.5	18
17	Directional Separation of Highly Reductive Electrons to the Reactive Center in a Magnetic S-Scheme ZnFe2O4/A-MoS2 Heterojunction for Enhanced Peroxymonosulfate Activation toward Pharmaceuticals and Personal Care Product Removal. Environmental Science & Technology, 2023, 57, 8414-8425.	8.5	103
18	A freshwater algae classification system based on machine learning with StyleGAN2-ADA augmentation for limited and imbalanced datasets. Water Research, 2023, 243, 120409.	9.9	29

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19	Dual-function hydrogel composite for post-electroplating cationic and anionic metal removal: A practicality study. Chemosphere, 2022, 291, 133068.	5.0	2
20	Lanthanum carbonate nanoparticles confined within anion exchange resin for phosphate removal from river water: Batch and fixed-bed column study. Chemical Engineering Research and Design, 2022, 159, 640-651.	5.0	30
21	Prediction of collector contact efficiency for colloid transport in porous media using Pore-Network and Neural-Network models. Separation and Purification Technology, 2022, 290, 120846.	7.9	14
22	Post-Global Pandemic Challenges and improvements in advanced detection and removal processes of toxic pollutants: Editorial. Journal of Hazardous Materials, 2022, 440, 129768.	7.8	1
23	Integrating Reactive Chlorine Species Generation with H2 Evolution in a Multifunctional Photoelectrochemical System for Low Operational Carbon Emissions Saline Sewage Treatment. Environmental Science & Technology, 2022, 56, 16156-16166.	8.5	46
24	Two-Dimensional Modeling of Nano Zero-Valent Iron Transport and Retention before and after Phosphate Adsorption. Environmental Science & Technology, 2022, 56, 17712-17719.	8.5	17
25	Role of surface functional groups of hydrogels in metal adsorption: From performance to mechanism. Journal of Hazardous Materials, 2021, 408, 124463.	7.8	204
26	Green photocatalytic disinfection of real sewage: efficiency evaluation and toxicity assessment of eco-friendly TiO2-based magnetic photocatalyst under solar light. Water Research, 2021, 190, 116705.	9.9	52
27	Critical review of photocatalytic disinfection of bacteria: from noble metals- and carbon nanomaterials-TiO2 composites to challenges of water characteristics and strategic solutions. Science of the Total Environment, 2021, 758, 143953.	5.6	141
28	Impact of phosphate adsorption on the mobility of PANI-supported nano zero-valent iron. Vadose Zone Journal, 2021, 20, .	2.0	9
29	Simulation of Colloid Transport and Retention Using a Pore-Network Model With Roughness and Chemical Heterogeneity on Pore Surfaces. Water Resources Research, 2021, 57, .	3.9	32
30	Validation of pilot-scale phosphate polishing removal from surface water by lanthanum-based polymeric nanocomposite. Chemical Engineering Journal, 2021, 412, 128630.	8.6	47
31	Singlet oxygen triggered by robust bimetallic MoFe/TiO2 nanospheres of highly efficacy in solar-light-driven peroxymonosulfate activation for organic pollutants removal. Applied Catalysis B: Environmental, 2021, 286, 119930.	14.8	197
32	Scaled-up development of magnetically recyclable Fe3O4/La(OH)3 composite for river water phosphate removal: From bench-scale to pilot-scale study. Science of the Total Environment, 2021, 791, 148281.	5.6	36
33	Rapid sonochemical synthesis of copper doped ZnO grafted on graphene as a multi-component hierarchically structured visible-light-driven photocatalyst. Materials Research Bulletin, 2021, 140, 111290.	4.6	48
34	N-doped graphitic C3N4 nanosheets decorated with CoP nanoparticles: A highly efficient activator in singlet oxygen dominated visible-light-driven peroxymonosulfate activation for degradation of pharmaceuticals and personal care products. Journal of Hazardous Materials, 2021, 416, 125891.	7.8	52
35	Photoelectrochemical sewage treatment by sulfite activation over an optimized BiVO4 photoanode to simultaneously promote PPCPs degradation, H2 evolution and E. coli disinfection. Chemical Engineering Journal, 2021, 419, 129418.	8.6	54
36	Visible-light-driven peroxymonosulfate activation in photo-electrocatalytic system using hollow-structured Pt@CeO2@MoS2 photoanode for the degradation of pharmaceuticals and personal care products. Environment International, 2021, 154, 106572.	6.5	42

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37	Superoxide radicals dominated visible light driven peroxymonosulfate activation using molybdenum selenide (MoSe2) for boosting catalytic degradation of pharmaceuticals and personal care products. Applied Catalysis B: Environmental, 2021, 296, 120223.	14.8	137
38	Fabrication of MoS2@BL-BiVO4 photoanode with promoted charge separation for photoelectrochemical sewage treatment to simultaneously degrade PPCPs, disinfect E. coli, and produce H2: Performance, mechanisms, and influence factors. Applied Catalysis B: Environmental, 2021, 299, 120636.	14.8	58
39	Pore-network modeling of colloid transport and retention considering surface deposition, hydrodynamic bridging, and straining. Journal of Hydrology, 2021, 603, 127020.	5.0	49
40	Different responses of gram-negative and gram-positive bacteria to photocatalytic disinfection using solar-light-driven magnetic TiO2-based material, and disinfection of real sewage. Water Research, 2021, 207, 117816.	9.9	79
41	Potential and prospects of photocatalytic disinfection: using sustainable solarenergy- driven photocatalysts. HKIE Transactions, 2021, 28, 165-175.	0.2	1
42	Selective Phosphate Removal from Water and Wastewater using Sorption: Process Fundamentals and Removal Mechanisms. Environmental Science & Technology, 2020, 54, 50-66.	8.5	792
43	Photoelectrochemical sewage treatment by a multifunctional g-C3N4/Ag/AgCl/BiVO4 photoanode for the simultaneous degradation of emerging pollutants and hydrogen production, and the disinfection of E. coli. Water Research, 2020, 168, 115166.	9.9	91
44	An innovative pH-independent magnetically separable hydrogel for the removal of Cu(II) and Ni(II) ions from electroplating wastewater. Journal of Hazardous Materials, 2020, 381, 121000.	7.8	53
45	Simulation optimisation towards energy efficient green buildings: Current status and future trends. Journal of Cleaner Production, 2020, 254, 120012.	6.9	164
46	Recent developments and challenges in practical application of visible–light–driven TiO2–based heterojunctions for PPCP degradation: A critical review. Water Research, 2020, 170, 115356.	9.9	267
47	Development of Fe0/Fe3O4 composites with tunable properties facilitated by Fe2+ for phosphate removal from river water. Chemical Engineering Journal, 2020, 388, 124242.	8.6	60
48	Phosphate removal from river water using a highly efficient magnetically recyclable Fe3O4/La(OH)3 nanocomposite. Chemosphere, 2020, 261, 128118.	5.0	75
49	Size Distribution and Phosphate Removal Capacity of Nano Zero-Valent Iron (nZVI): Influence of pH and Ionic Strength. Water (Switzerland), 2020, 12, 2939.	2.0	18
50	Surface Functional Group Engineering of CeO2 Particles for Enhanced Phosphate Adsorption. Environmental Science & Technology, 2020, 54, 4601-4608.	8.5	158
51	Visible–light–driven magnetically recyclable terephthalic acid functionalized g-C3N4/TiO2 heterojunction nanophotocatalyst for enhanced degradation of PPCPs. Applied Catalysis B: Environmental, 2020, 270, 118898.	14.8	133
52	Elucidating the predominant role of crystal disorders in hierarchical photocatalysts governing their charge carrier separation and associated activity in photocatalytic water treatment. Journal of Colloid and Interface Science, 2020, 573, 336-347.	7.9	12
53	Parametric modelling and evolutionary optimization for cost-optimal and low-carbon design of high-rise reinforced concrete buildings. Advanced Engineering Informatics, 2019, 42, 100962.	7.3	122
54	Enhanced trimethoxypyrimidine degradation by piezophotocatalysis of BaTiO3/Ag3PO4 using mechanical vibration and visible light simultaneously. Environmental Science: Nano, 2019, 6, 554-564.	3.1	52

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55	Rapid disinfection of E. coli by a ternary BiVO4/Ag/g-C3N4 composite under visible light: photocatalytic mechanism and performance investigation in authentic sewage. Environmental Science: Nano, 2019, 6, 610-623.	3.1	63
56	Effects of geochemical conditions, surface modification, and arsenic (As) loadings on As release from As-loaded nano zero-valent iron in simulated groundwater. Environmental Science: Water Research and Technology, 2019, 5, 28-38.	1.3	18
57	Visible-light-driven photocatalytic removal of PPCPs using magnetically separable bismuth oxybromo-iodide solid solutions: Mechanisms, pathways, and reusability in real sewage. Separation and Purification Technology, 2019, 216, 102-114.	7.9	57
58	Unravelling mechanistic reasons for differences in performance of different Ti- and Bi-based magnetic photocatalysts in photocatalytic degradation of PPCPs. Science of the Total Environment, 2019, 686, 878-887.	5.6	37
59	Simulation-based evolutionary optimization for energy-efficient layout plan design of high-rise residential buildings. Journal of Cleaner Production, 2019, 231, 1375-1388.	6.9	97
60	Persulfate activation by natural zeolite supported nanoscale zero-valent iron for trichloroethylene degradation in groundwater. Science of the Total Environment, 2019, 684, 351-359.	5.6	88
61	A comprehensive approach to mitigation of embodied carbon in reinforced concrete buildings. Journal of Cleaner Production, 2019, 229, 582-597.	6.9	64
62	Uptake and toxicity studies of magnetic TiO2-Based nanophotocatalyst in Arabidopsis thaliana. Chemosphere, 2019, 224, 658-667.	5.0	6
63	Green synthesis of nanoparticles for the remediation of contaminated waters and soils: Constituents, synthesizing methods, and influencing factors. Journal of Cleaner Production, 2019, 226, 540-549.	6.9	186
64	Magnetically separable BiOBr/Fe3O4@SiO2 for visible-light-driven photocatalytic degradation of ibuprofen: Mechanistic investigation and prototype development. Journal of Hazardous Materials, 2019, 365, 733-743.	7.8	83
65	Reusable magnetic Ag/Fe, N-TiO2/Fe3O4@SiO2 composite for simultaneous photocatalytic disinfection of E. coli and degradation of bisphenol A in sewage under visible light. Chemosphere, 2019, 217, 869-878.	5.0	69
66	Transport of the arsenic (As)-loaded nano zero-valent iron in groundwater-saturated sand columns: Roles of surface modification and As loading. Chemosphere, 2019, 216, 428-436.	5.0	40
67	Visible-light-driven N-TiO2@SiO2@Fe3O4 magnetic nanophotocatalysts: Synthesis, characterization, and photocatalytic degradation of PPCPs. Journal of Hazardous Materials, 2019, 370, 108-116.	7.8	131
68	Magnetically separable ZrO2@SiO2@Fe3O4 for selective phosphate removal from wastewater. HKIE Transactions, 2019, 26, 88-96.	0.2	0
69	One-pot hydrothermal synthesis of g-C3N4/Ag/AgCl/BiVO4 micro-flower composite for the visible light degradation of ibuprofen. Chemical Engineering Journal, 2018, 341, 248-261.	8.6	109
70	Facile synthesis of oxygen defective yolk–shell BiO2−x for visible-light-driven photocatalytic inactivation of Escherichia coli. Journal of Materials Chemistry A, 2018, 6, 4997-5005.	6.7	50
71	Environmental Risks of Nano Zerovalent Iron for Arsenate Remediation: Impacts on Cytosolic Levels of Inorganic Phosphate and MgATP2− in Arabidopsis thaliana. Environmental Science & Technology, 2018, 52, 4385-4392.	8.5	26
72	Lanthanum oxide nanorods for enhanced phosphate removal from sewage: A response surface methodology study. Chemosphere, 2018, 192, 209-216.	5.0	126

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73	Influence of weak magnetic field and tartrate on the oxidation and sequestration of Sb(III) by zerovalent iron: Batch and semi-continuous flow study. Journal of Hazardous Materials, 2018, 343, 266-275.	7.8	33
74	Identifying key process parameters for uncertainty propagation in environmental life cycle assessment for sewage sludge and food waste treatment. Journal of Cleaner Production, 2018, 174, 966-976.	6.9	50
75	Development of g-C3N4/TiO2/Fe3O4@SiO2 heterojunction via sol-gel route: A magnetically recyclable direct contact Z-scheme nanophotocatalyst for enhanced photocatalytic removal of ibuprofen from real sewage effluent under visible light. Chemical Engineering Journal, 2018, 353, 645-656.	8.6	159
76	High charge transfer response of g-C3N4/Ag/AgCl/BiVO4 microstructure for the selective photocatalytic reduction of CO2 to CH4 under alkali activation. Journal of Catalysis, 2018, 366, 28-36.	4.4	86
77	Holistic BIM framework for sustainable low carbon design of high-rise buildings. Journal of Cleaner Production, 2018, 195, 1091-1104.	6.9	150
78	Removal of ionizable aromatic pollutants from contaminated water using nano γ-Fe2O3 based magnetic cationic hydrogel: Sorptive performance, magnetic separation and reusability. Journal of Hazardous Materials, 2017, 322, 195-204.	7.8	89
79	Application of Magnetic Hydrogel for Anionic Pollutants Removal from Wastewater with Adsorbent Regeneration and Reuse. Journal of Hazardous, Toxic, and Radioactive Waste, 2017, 21, .	1.6	19
80	Comparative LCA on using waste materials in the cement industry: A Hong Kong case study. Resources, Conservation and Recycling, 2017, 120, 199-208.	7.5	250
81	Fabrication of silica-free superparamagnetic ZrO2@Fe3O4 with enhanced phosphate recovery from sewage: Performance and adsorption mechanism. Chemical Engineering Journal, 2017, 319, 258-267.	8.6	161
82	Effects of moisture content of food waste on residue separation, larval growth and larval survival in black soldier fly bioconversion. Waste Management, 2017, 67, 315-323.	5.4	223
83	A comparative analysis of embodied carbon in high-rise buildings regarding different design parameters. Journal of Cleaner Production, 2017, 161, 663-675.	6.9	135
84	Removal Mechanisms of Phosphate by Lanthanum Hydroxide Nanorods: Investigations using EXAFS, ATR-FTIR, DFT, and Surface Complexation Modeling Approaches. Environmental Science & Technology, 2017, 51, 12377-12384.	8.5	216
85	Highly efficient and selective phosphate removal from wastewater by magnetically recoverable La(OH)3/Fe3O4 nanocomposites. Water Research, 2017, 126, 179-188.	9.9	399
86	Developing a CO2-e accounting method for quantification and analysis of embodied carbon in high-rise buildings. Journal of Cleaner Production, 2017, 141, 825-836.	6.9	119
87	Sustainability analyses of embodied carbon and construction cost in high-rise buildings using different materials and structural forms. HKIE Transactions, 2017, 24, 216-227.	0.2	15
88	Development of social sustainability assessment method and a comparative case study on assessing recycled construction materials. International Journal of Life Cycle Assessment, 2017, 23, 1654-1674.	3.2	103
89	Reviewing the anaerobic digestion and co-digestion process of food waste from the perspectives on biogas production performance and environmental impacts. Environmental Science and Pollution Research, 2016, 23, 24435-24450.	2.6	117
90	Synthesis of magnetically separable Bi2O4/Fe3O4 hybrid nanocomposites with enhanced photocatalytic removal of ibuprofen under visible light irradiation. Water Research, 2016, 100, 393-404.	9.9	139

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91	A holistic review of hydrogel applications in the adsorptive removal of aqueous pollutants: Recent progress, challenges, and perspectives. Water Research, 2016, 106, 259-271.	9.9	340
92	A proposed framework of food waste collection and recycling for renewable biogas fuel production in Hong Kong. Waste Management, 2016, 47, 3-10.	5.4	63
93	Integrating life cycle assessment and multi-objective optimization for economical and environmentally sustainable supply of aggregate. Journal of Cleaner Production, 2016, 113, 76-85.	6.9	25
94	An integrated life cycle costing and human health impact analysis of municipal solid waste management options in Hong Kong using modified eco-efficiency indicator. Resources, Conservation and Recycling, 2016, 107, 104-114.	7.5	98
95	Comparative environmental evaluation of aggregate production from recycled waste materials and virgin sources by LCA. Resources, Conservation and Recycling, 2016, 109, 67-77.	7.5	570
96	Environmental assessment of food waste valorization in producing biogas for various types of energy use based on LCA approach. Waste Management, 2016, 50, 290-299.	5.4	85
97	Biostimulation of petroleum-hydrocarbon-contaminated marine sediment with co-substrate: involved metabolic process and microbial community. Applied Microbiology and Biotechnology, 2015, 99, 5683-5696.	2.9	57
98	The limitations of applying zero-valent iron technology in contaminants sequestration and the corresponding countermeasures: The development in zero-valent iron technology in the last two decades (1994–2014). Water Research, 2015, 75, 224-248.	9.9	950
99	Treatment of urban river contaminated sediment withex situadvanced oxidation processes: technical feasibility, environmental discharges and cost-performance analysis. Environmental Technology (United Kingdom), 2015, 36, 2060-2068.	1.5	6
100	Effect of autotrophic denitrification on nitrate migration in sulfide-rich marine sediments. Journal of Soils and Sediments, 2015, 15, 1019-1028.	2.0	19
101	An integrated bioremediation process for petroleum hydrocarbons removal and odor mitigation from contaminated marine sediment. Water Research, 2015, 83, 21-30.	9.9	61
102	Enhanced paramagnetic Cu2+ ions removal by coupling a weak magnetic field with zero valent iron. Journal of Hazardous Materials, 2015, 283, 880-887.	7.8	141
103	Investigation of the available technologies and their feasibility for the conversion of food waste into fish feed in Hong Kong. Environmental Science and Pollution Research, 2015, 23, 7169-7177.	2.6	38
104	Life cycle assessment of waste treatment strategy for sewage sludge and food waste in Macau: perspectives on environmental and energy production performance. International Journal of Life Cycle Assessment, 2015, 21, 176-189.	3.2	37
105	Evaluation of environmental friendliness of concrete paving eco-blocks using LCA approach. International Journal of Life Cycle Assessment, 2015, 21, 70-84.	3.2	81
106	Food waste collection and recycling for value-added products: potential applications and challenges in Hong Kong. Environmental Science and Pollution Research, 2015, 23, 7081-7091.	2.6	28
107	Life cycle carbon footprint measurement of Portland cement and ready mix concrete for a city with local scarcity of resources like Hong Kong. International Journal of Life Cycle Assessment, 2014, 19, 745-757.	3.2	68
108	Preparation of cross-linked magnetic chitosan with quaternary ammonium and its application for Cr(VI) and P(V) removal. Journal of Environmental Sciences, 2014, 26, 2379-2386.	5.4	24

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109	Comparison of greenhouse gas emission accounting methods for steel production in China. Journal of Cleaner Production, 2014, 83, 165-172.	6.9	48
110	Transport of Surface-Modified Nano Zero-Valent Iron (SM-NZVI) in Saturated Porous Media: Effects of Surface Stabilizer Type, Subsurface Geochemistry, and Contaminant Loading. Water, Air, and Soil Pollution, 2014, 225, .	2.4	47
111	Sustainable Wastewater Treatment Using Microsized Magnetic Hydrogel with Magnetic Separation Technology. Industrial & Engineering Chemistry Research, 2014, 53, 15718-15724.	2.9	61
112	Analyzing environmental hotspots of proposed landfill extension and advanced incineration facility in Hong Kong using life cycle assessment. Journal of Cleaner Production, 2014, 75, 64-74.	6.9	33
113	Development of controlled low-strength material derived from beneficial reuse of bottom ash and sediment for green construction. Construction and Building Materials, 2014, 64, 201-207.	5.8	109
114	Enhancement of nitrate-induced bioremediation in marine sediments contaminated with petroleum hydrocarbons by using microemulsions. Environmental Science and Pollution Research, 2014, 22, 8296-8306.	2.6	9
115	Influence of humic acid on the colloidal stability of surface-modified nano zero-valent iron. Water Research, 2013, 47, 419-427.	9.9	137
116	Greenhouse gas accounting of the proposed landfill extension and advanced incineration facility for municipal solid waste management in Hong Kong. Science of the Total Environment, 2013, 458-460, 499-507.	5.6	45
117	Influence of calcium ions on the colloidal stability of surface-modified nano zero-valent iron in the absence or presence of humic acid. Water Research, 2013, 47, 2489-2496.	9.9	96
118	Magnetic nanoparticles: Essential factors for sustainable environmental applications. Water Research, 2013, 47, 2613-2632.	9.9	859
119	Removal effectiveness and mechanisms of naphthalene and heavy metals from artificially contaminated soil by iron chelate-activated persulfate. Environmental Pollution, 2013, 178, 15-22.	5.1	92
120	Mechanisms of EDDS Adsorption on Goethite and Hematite Under Aqueous and Dehydrated Conditions. Environmental Engineering Science, 2013, 30, 733-741.	1.0	5
121	Fate of As(V)-treated nano zero-valent iron: Determination of arsenic desorption potential under varying environmental conditions by phosphate extraction. Water Research, 2012, 46, 4071-4080.	9.9	111
122	Lab-scale simulation of the fate and transport of nano zero-valent iron in subsurface environments: Aggregation, sedimentation, and contaminant desorption. Journal of Hazardous Materials, 2012, 227-228, 118-125.	7.8	59
123	New Halogenated Disinfection Byproducts in Swimming Pool Water and Their Permeability across Skin. Environmental Science & Technology, 2012, 46, 7112-7119.	8.5	120
124	Electro-migration of heavy metals in an aged electroplating contaminated soil affected by the coexisting hexavalent chromium. Chemosphere, 2012, 86, 809-816.	5.0	31
125	Pyrophosphate coupling with chelant-enhanced soil flushing of field contaminated soils for heavy metal extraction. Journal of Hazardous Materials, 2012, 199-200, 51-57.	7.8	30
126	Environmental Life Cycle Assessment of Permeable Reactive Barriers: Effects of Construction Methods, Reactive Materials and Groundwater Constituents. Environmental Science & Technology, 2011, 45, 10148-10154.	8.5	34

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127	Synergistic effect of coupling zero-valent iron with iron oxide-coated sand in columns for chromate and arsenate removal from groundwater: Influences of humic acid and the reactive media configuration. Water Research, 2011, 45, 6575-6584.	9.9	36
128	Column study of Cr(VI) removal by cationic hydrogel for in-situ remediation of contaminated groundwater and soil. Journal of Contaminant Hydrology, 2011, , .	4.0	12
129	Simultaneous removal of chromium and arsenate from contaminated groundwater by ferrous sulfate: Batch uptake behavior. Journal of Environmental Sciences, 2011, 23, 372-380.	5.4	22
130	Combining material characterization with single and multi-oxyanion adsorption for mechanistic study of chromate removal by cationic hydrogel. Journal of Environmental Sciences, 2011, 23, 1004-1010.	5.4	26
131	Enhanced multi-metal extraction with EDDS of deficient and excess dosages under the influence of dissolved and soil organic matter. Environmental Pollution, 2011, 159, 78-83.	5.1	17
132	Zero-valent iron and iron oxide-coated sand as a combination for removal of co-present chromate and arsenate from groundwater with humic acid. Environmental Pollution, 2011, 159, 377-382.	5.1	44
133	Significance of metal exchange in EDDS-flushing column experiments. Chemosphere, 2011, 83, 7-13.	5.0	31
134	Influences of redox transformation, metal complexation and aggregation of fulvic acid and humic acid on Cr(VI) and As(V) removal by zero-valent iron. Chemosphere, 2011, 84, 234-240.	5.0	68
135	Performance and mechanism of simultaneous removal of chromium and arsenate by Fe(II) from contaminated groundwater. Separation and Purification Technology, 2011, 80, 179-185.	7.9	47
136	Conceptual model and sensitivity analysis for simulating the extraction kinetics of soil washing. Journal of Soils and Sediments, 2011, 11, 1221-1233.	2.0	13
137	Removal of natural organic matter by cationic hydrogel with magnetic properties. Journal of Environmental Management, 2011, 92, 1690-1695.	6.3	57
138	Influence of injection conditions on EDDS-flushing of metal-contaminated soil. Journal of Hazardous Materials, 2011, 192, 667-675.	7.8	40
139	Comparative Study of the Adsorption Selectivity of Cr(VI) onto Cationic Hydrogels with Different Functional Groups. Water, Air, and Soil Pollution, 2011, 223, 1713-1722.	2.4	24
140	Heavy metal extraction from an artificially contaminated sandy soil under EDDS deficiency: Significance of humic acid and chelant mixture. Chemosphere, 2010, 80, 416-421.	5.0	61
141	Interactions of chelating agents with Pb-goethite at the solid–liquid interface: Pb extraction and re-adsorption. Chemosphere, 2010, 81, 415-421.	5.0	41
142	Effects of enhanced coagulation on polar halogenated disinfection byproducts in drinking water. Separation and Purification Technology, 2010, 76, 26-32.	7.9	36
143	Influence of EDDS-to-metal molar ratio, solution pH, and soil-to-solution ratio on metal extraction under EDDS deficiency. Journal of Hazardous Materials, 2010, 178, 890-894.	7.8	37
144	Fines migration from soil daily covers in Hong Kong landfills. Waste Management, 2010, 30, 2047-2057.	5.4	11

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145	Effects of Design Mix and Porosity of Waste-Derived Paste as Landfill Daily Covers on Lead Retardation. Practice Periodical of Hazardous, Toxic and Radioactive Waste Management, 2010, 14, 195-204.	0.6	4
146	Synthesis and Application of Magnetic Hydrogel for Cr(VI) Removal from Contaminated Water. Environmental Engineering Science, 2010, 27, 947-954.	1.0	71
147	Influences of Humic Acid on Cr(VI) Removal by Zero-Valent Iron From Groundwater with Various Constituents: Implication for Long-Term PRB Performance. Water, Air, and Soil Pollution, 2010, 216, 473-483.	2.4	39
148	Influences of humic acid, bicarbonate and calcium on Cr(VI) reductive removal by zero-valent iron. Science of the Total Environment, 2009, 407, 3407-3414.	5.6	81
149	Empirical modeling of heavy metal extraction by EDDS from single-metal and multi-metal contaminated soils. Chemosphere, 2009, 74, 301-307.	5.0	46
150	Effects of humic acid on arsenic(V) removal by zero-valent iron from groundwater with special references to corrosion products analyses. Chemosphere, 2009, 75, 156-162.	5.0	107
151	Humic acid aggregation in zero-valent iron systems and its effects on trichloroethylene removal. Chemosphere, 2009, 75, 1338-1343.	5.0	68
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