

Wang Yimin

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.

163
papers

8,465
citations

49
h-index

86
g-index

165
ext. papers

10,219
ext. citations

9.1
avg, IF

6.63
L-index

#	Paper	IF	Citations
163	Metabolic response of earthworms (<i>Pheretima guillemi</i>) to silver nanoparticles in sludge-amended soil.. <i>Environmental Pollution</i> , 2022 , 300, 118954	9.3	1
162	Unraveling the molecular mechanisms of Cd sorption onto MnO-loaded biochar produced from the Mn-hyperaccumulator <i>Phytolacca americana</i> . <i>Journal of Hazardous Materials</i> , 2022 , 423, 127157	12.8	1
161	Oxidative dissolution of SbO mediated by surface Mn redox cycling in oxic aquatic systems.. <i>Water Research</i> , 2022 , 217, 118403	12.5	0
160	Greater Bioaccessibility of Silver Nanoparticles in Earthworm than in Soils.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 1	2.7	
159	Mechanistic insight into sulfite-enhanced diethyl phthalate degradation by hydrogen atom under UV light. <i>Separation and Purification Technology</i> , 2022 , 295, 121310	8.3	
158	Hydroxyl radicals induced mineralization of organic carbon during oxygenation of ferrous mineral-organic matter associations: Adsorption versus coprecipitation. <i>Science of the Total Environment</i> , 2021 , 816, 151667	10.2	0
157	A novel peroxymonosulfate activation process by pericase for efficient singlet oxygen-mediated degradation of organic pollutants. <i>Chemical Engineering Journal</i> , 2021 , 403, 126445	14.7	35
156	Rapid DDTs degradation by thermally activated persulfate in soil under aerobic and anaerobic conditions: Reductive radicals vs. oxidative radicals. <i>Journal of Hazardous Materials</i> , 2021 , 402, 123557	12.8	12
155	Efficient transformation of DDT with peroxymonosulfate activation by different crystallographic MnO. <i>Science of the Total Environment</i> , 2021 , 759, 142864	10.2	13
154	Mechanism of metal sulfides accelerating Fe(II)/Fe(III) redox cycling to enhance pollutant degradation by persulfate: Metallic active sites vs. reducing sulfur species. <i>Journal of Hazardous Materials</i> , 2021 , 404, 124175	12.8	20
153	The overlooked oxidative dissolution of silver sulfide nanoparticles by thermal activation of persulfate: Processes, mechanisms, and influencing factors. <i>Science of the Total Environment</i> , 2021 , 760, 144504	10.2	4
152	Peroxymonosulfate activation by localized electrons of ZnO oxygen vacancies for contaminant degradation. <i>Chemical Engineering Journal</i> , 2021 , 416, 128996	14.7	19
151	Long-term dissolution and transformation of ZnO in soils: The roles of soil pH and ZnO particle size. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125604	12.8	5
150	Carbon nitrideBased cuprous catalysts induced nonradical-led oxidation by peroxydisulfate: Role of cuprous and dissolved oxygen. <i>Chemical Engineering Journal</i> , 2021 , 419, 129667	14.7	4
149	Mechanism of significant enhancement of VO ₂ -Fenton-like reactions by oxalic acid for diethyl phthalate degradation. <i>Separation and Purification Technology</i> , 2021 , 279, 119671	8.3	3
148	Cotransport of Cu with Graphene Oxide in Saturated Porous Media with Varying Degrees of Geochemical Heterogeneity. <i>Water (Switzerland)</i> , 2020 , 12, 444	3	2
147	Time-dependent evolution of Zn(II) fractions in soils remediated by wheat straw biochar. <i>Science of the Total Environment</i> , 2020 , 717, 137021	10.2	1

146	Metagenomic analysis exploring microbial assemblages and functional genes potentially involved in di (2-ethylhexyl) phthalate degradation in soil. <i>Science of the Total Environment</i> , 2020 , 715, 137037	10.2	31
145	Binding and adsorption energy of Cd in soils and its environmental implication for Cd bioavailability. <i>Soil Science Society of America Journal</i> , 2020 , 84, 472-482	2.5	3
144	Surface-bound radical control rapid organic contaminant degradation through peroxymonosulfate activation by reduced Fe-bearing smectite clays. <i>Journal of Hazardous Materials</i> , 2020 , 389, 121819	12.8	20
143	EDTA-enhanced electrokinetic remediation of aged electroplating contaminated soil assisted by combining dual cation-exchange membranes and circulation methods. <i>Chemosphere</i> , 2020 , 243, 125439	8.4	26
142	Efficient activation of peroxymonosulfate by copper sulfide for diethyl phthalate degradation: Performance, radical generation and mechanism. <i>Science of the Total Environment</i> , 2020 , 749, 142387	10.2	19
141	Synergy between Iron and Selenide on FeSe(111) Surface Driving Peroxymonosulfate Activation for Efficient Degradation of Pollutants. <i>Environmental Science & Technology</i> , 2020 , 54, 15489-15498	10.3	30
140	Biomass Schiff base polymer-derived N-doped porous carbon embedded with CoO nanodots for adsorption and catalytic degradation of chlorophenol by peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121345	12.8	49
139	Environmental and human health risks from metal exposures nearby a Pb-Zn-Ag mine, China. <i>Science of the Total Environment</i> , 2020 , 698, 134326	10.2	24
138	Ion exchange membranes enhance the electrokinetic in situ chemical oxidation of PAH-contaminated soil. <i>Journal of Hazardous Materials</i> , 2020 , 382, 121042	12.8	17
137	Effects of soil properties, nitrogen application, plant phenology, and their interactions on plant uptake of cadmium in wheat. <i>Journal of Hazardous Materials</i> , 2020 , 384, 121452	12.8	17
136	Transformation of tetracyclines induced by Fe(III)-bearing smectite clays under anoxic dark conditions. <i>Water Research</i> , 2019 , 165, 114997	12.5	12
135	Speciation and location of arsenic and antimony in rice samples around antimony mining area. <i>Environmental Pollution</i> , 2019 , 252, 1439-1447	9.3	32
134	Migration and decomplexation of metal-chelate complexes causing metal accumulation phenomenon after chelate-enhanced electrokinetic remediation. <i>Journal of Hazardous Materials</i> , 2019 , 377, 106-112	12.8	17
133	High retention of silver sulfide nanoparticles in natural soils. <i>Journal of Hazardous Materials</i> , 2019 , 378, 120735	12.8	14
132	Efficient activation of persulfate decomposition by Cu ₂ FeSnS ₄ nanomaterial for bisphenol A degradation: Kinetics, performance and mechanism studies. <i>Applied Catalysis B: Environmental</i> , 2019 , 253, 278-285	21.8	58
131	Interactive effects of rice straw biochar and EAO on immobilization of Zn. <i>Journal of Hazardous Materials</i> , 2019 , 373, 250-257	12.8	24
130	A scientometric review of biochar research in the past 20 years (1998-2018). <i>Biochar</i> , 2019 , 1, 23-43	10	96
129	Zero-valent iron activated persulfate remediation of polycyclic aromatic hydrocarbon-contaminated soils: An in situ pilot-scale study. <i>Chemical Engineering Journal</i> , 2019 , 355, 65-75	14.7	74

128	The degradation of diethyl phthalate by reduced smectite clays and dissolved oxygen. <i>Chemical Engineering Journal</i> , 2019 , 355, 247-254	14.7	38
127	Transport and retention of silver nanoparticles in soil: Effects of input concentration, particle size and surface coating. <i>Science of the Total Environment</i> , 2019 , 648, 102-108	10.2	50
126	Significant contribution of metastable particulate organic matter to natural formation of silver nanoparticles in soils. <i>Nature Communications</i> , 2019 , 10, 3775	17.4	41
125	Deposition and release of carboxylated graphene in saturated porous media: Effect of transient solution chemistry. <i>Chemosphere</i> , 2019 , 235, 643-650	8.4	5
124	Screening of wheat straw biochars for the remediation of soils polluted with Zn (II) and Cd (II). <i>Journal of Hazardous Materials</i> , 2019 , 362, 311-317	12.8	51
123	Antimony oxidation and sorption behavior on birnessites with different properties (γ -MnO and triclinic birnessite). <i>Environmental Pollution</i> , 2019 , 246, 990-998	9.3	37
122	Decarbonylation reaction of saturated and oxidized tar from pyrolysis of low aromaticity biomass boost reduction of hexavalent chromium. <i>Chemical Engineering Journal</i> , 2019 , 360, 1042-1050	14.7	11
121	Effects of various warming patterns on Cd transfer in soil-rice systems under Free Air Temperature Increase (FATI) conditions. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 168, 80-87	7	9
120	Fate of di (2-ethylhexyl) phthalate and its impact on soil bacterial community under aerobic and anaerobic conditions. <i>Chemosphere</i> , 2019 , 216, 84-93	8.4	11
119	The oxidation and sorption mechanism of Sb on γ -MnO ₂ . <i>Chemical Engineering Journal</i> , 2018 , 342, 429-437	14.7	47
118	Effects of molecular weight-fractionated natural organic matter on the phytoavailability of silver nanoparticles. <i>Environmental Science: Nano</i> , 2018 , 5, 969-979	7.1	21
117	Citric Acid-Enhanced Electroremediation of Toxic Metal-Contaminated Dredged Sediments: Effect of Open/Closed Orifice Condition, Electric Potential and Surfactant. <i>Pedosphere</i> , 2018 , 28, 35-43	5	13
116	Nano-Fe ₂ O ₃ enhanced photocatalytic degradation of diethyl phthalate ester by citric Acid/UV (300-400 nm): A mechanism study. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018 , 360, 78-85	4.7	8
115	Modeling the interaction and toxicity of Cu-Cd mixture to wheat roots affected by humic acids, in terms of cell membrane surface characteristics. <i>Chemosphere</i> , 2018 , 199, 76-83	8.4	10
114	A Mechanistic Understanding of Hydrogen Peroxide Decomposition by Vanadium Minerals for Diethyl Phthalate Degradation. <i>Environmental Science & Technology</i> , 2018 , 52, 2178-2185	10.3	38
113	Wien effect of Cd/Zn on soil clay fraction and their interaction. <i>Geochemical Transactions</i> , 2018 , 19, 5	3	1
112	Mechanistic understanding of polychlorinated biphenyls degradation by peroxymonosulfate activated with CuFe ₂ O ₄ nanoparticles: Key role of superoxide radicals. <i>Chemical Engineering Journal</i> , 2018 , 348, 526-534	14.7	168
111	Genotypic variation and mechanism in uptake and translocation of perfluorooctanoic acid (PFOA) in lettuce (<i>Lactuca sativa</i> L.) cultivars grown in PFOA-polluted soils. <i>Science of the Total Environment</i> , 2018 , 636, 999-1008	10.2	31

110	Contribution of alcohol radicals to contaminant degradation in quenching studies of persulfate activation process. <i>Water Research</i> , 2018 , 139, 66-73	12.5	83
109	The effects of Fe-bearing smectite clays on OH formation and diethyl phthalate degradation with polyphenols and HO. <i>Journal of Hazardous Materials</i> , 2018 , 357, 483-490	12.8	25
108	Reductive Hexachloroethane Degradation by SO with Thermal Activation of Persulfate under Anaerobic Conditions. <i>Environmental Science & Technology</i> , 2018 , 52, 8548-8557	10.3	72
107	Effects of Fe(II) on Cd(II) immobilization by Mn(III)-rich MnO_2 . <i>Chemical Engineering Journal</i> , 2018 , 353, 167-175	14.7	20
106	Functional genomic analysis of phthalate acid ester (PAE) catabolism genes in the versatile PAE-mineralising bacterium <i>Rhodococcus</i> sp. 2G. <i>Science of the Total Environment</i> , 2018 , 640-641, 646-652	10.2	20
105	New insight into the mechanism of peroxymonosulfate activation by sulfur-containing minerals: Role of sulfur conversion in sulfate radical generation. <i>Water Research</i> , 2018 , 142, 208-216	12.5	142
104	Biochar decreased the bioavailability of Zn to rice and wheat grains: Insights from microscopic to macroscopic scales. <i>Science of the Total Environment</i> , 2018 , 621, 160-167	10.2	21
103	Identifying Plant Stress Responses to Roxarsone in Soybean Root Exudates: New Insights from Two-Dimensional Correlation Spectroscopy. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 53-62	5.7	9
102	Temporal variability in Cu speciation, phytotoxicity, and soil microbial activity of Cu-polluted soils as affected by elevated temperature. <i>Chemosphere</i> , 2018 , 194, 285-296	8.4	5
101	Cultivar-Dependent Accumulation and Translocation of Perfluorooctanesulfonate among Lettuce (<i>Lactuca sativa</i> L.) Cultivars Grown on Perfluorooctanesulfonate-Contaminated Soil. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 13096-13106	5.7	16
100	Mechanisms of Interaction between Persulfate and Soil Constituents: Activation, Free Radical Formation, Conversion, and Identification. <i>Environmental Science & Technology</i> , 2018 , 52, 14352-14361	10.3	57
99	Mechanism and Implication of the Sorption of Perfluorooctanoic Acid by Varying Soil Size Fractions. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 11569-11579	5.7	23
98	(Fe ³⁺)-UVC-(aliphatic/phenolic carboxyl acids) systems for diethyl phthalate ester degradation: A density functional theory (DFT) and experimental study. <i>Applied Catalysis A: General</i> , 2018 , 567, 20-27	5.1	4
97	Effect of different grain sizes of hydroxyapatite on soil heavy metal bioavailability and microbial community composition. <i>Agriculture, Ecosystems and Environment</i> , 2018 , 267, 165-173	5.7	42
96	Oral bioaccessibility of silver nanoparticles and ions in natural soils: Importance of soil properties. <i>Environmental Pollution</i> , 2018 , 243, 364-373	9.3	11
95	Production Temperature Effects on the Structure of Hydrochar-Derived Dissolved Organic Matter and Associated Toxicity. <i>Environmental Science & Technology</i> , 2018 , 52, 7486-7495	10.3	48
94	CuO@ β -cyclodextrin as a synergistic catalyst for hydroxyl radical generation and molecular recognitive destruction of aromatic pollutants at neutral pH. <i>Journal of Hazardous Materials</i> , 2018 , 357, 109-118	12.8	20
93	Differential bioaccumulation patterns of nanosized and dissolved silver in a land snail <i>Achatina fulica</i> . <i>Environmental Pollution</i> , 2017 , 222, 50-57	9.3	20

92	The transformation and fate of silver nanoparticles in paddy soil: effects of soil organic matter and redox conditions. <i>Environmental Science: Nano</i> , 2017 , 4, 919-928	7.1	47
91	Homogenous activation of persulfate by different species of vanadium ions for PCBs degradation. <i>Chemical Engineering Journal</i> , 2017 , 323, 84-95	14.7	45
90	Comparison of Persulfate Activation and Fenton Reaction in Remediating an Organophosphorus Pesticides-Polluted Soil. <i>Pedosphere</i> , 2017 , 27, 465-474	5	32
89	Effects of exposure pathways on the accumulation and phytotoxicity of silver nanoparticles in soybean and rice. <i>Nanotoxicology</i> , 2017 , 11, 699-709	5.3	67
88	Macroscopic and microscopic investigation of adsorption and precipitation of Zn on γ -Alumina in the absence and presence of As. <i>Chemosphere</i> , 2017 , 178, 309-316	8.4	7
87	Demethanation Trend of Hydrochar Induced by Organic Solvent Washing and Its Influence on Hydrochar Activation. <i>Environmental Science & Technology</i> , 2017 , 51, 10756-10764	10.3	29
86	Determination of Trace Perfluoroalkyl Carboxylic Acids in Edible Crop Matrices: Matrix Effect and Method Development. <i>Journal of Agricultural and Food Chemistry</i> , 2017 , 65, 8763-8772	5.7	17
85	Hydrochars and phosphate enhancing the transport of nanoparticle silica in saturated sands. <i>Chemosphere</i> , 2017 , 189, 213-223	8.4	22
84	Natural degradation of roxarsone in contrasting soils: Degradation kinetics and transformation products. <i>Science of the Total Environment</i> , 2017 , 607-608, 132-140	10.2	18
83	Inhibited transport of graphene oxide nanoparticles in granular quartz sand coated with <i>Bacillus subtilis</i> and <i>Pseudomonas putida</i> biofilms. <i>Chemosphere</i> , 2017 , 169, 1-8	8.4	23
82	Activation of persulfate with vanadium species for PCBs degradation: A mechanistic study. <i>Applied Catalysis B: Environmental</i> , 2017 , 202, 1-11	21.8	138
81	Role of solution chemistry in the retention and release of graphene oxide nanomaterials in uncoated and iron oxide-coated sand. <i>Science of the Total Environment</i> , 2017 , 579, 776-785	10.2	46
80	Influence of bacterial extracellular polymeric substances on the sorption of Zn on γ -Alumina: A combination of FTIR and EXAFS studies. <i>Environmental Pollution</i> , 2017 , 220, 997-1004	9.3	7
79	Distribution of free radicals and intermediates during the photodegradation of polychlorinated biphenyls strongly affected by cosolvents and TiO ₂ catalyst. <i>Chemosphere</i> , 2016 , 144, 628-34	8.4	14
78	Review of chemical and electrokinetic remediation of PCBs contaminated soils and sediments. <i>Environmental Sciences: Processes and Impacts</i> , 2016 , 18, 1140-1156	4.3	31
77	Effects of clay minerals on diethyl phthalate degradation in Fenton reactions. <i>Chemosphere</i> , 2016 , 165, 52-58	8.4	26
76	A new insight into the immobilization mechanism of Zn on biochar: the role of anions dissolved from ash. <i>Scientific Reports</i> , 2016 , 6, 33630	4.9	40
75	Phytotoxicity and uptake of roxarsone by wheat (<i>Triticum aestivum</i> L.) seedlings. <i>Environmental Pollution</i> , 2016 , 219, 210-218	9.3	9

74	Sorption of roxarsone onto soils with different physicochemical properties. <i>Chemosphere</i> , 2016 , 159, 103-112	8.4	18
73	Effect of aqueous Fe(II) on Sb(V) sorption on soil and goethite. <i>Chemosphere</i> , 2016 , 147, 44-51	8.4	38
72	Effect of EDTA, EDDS, NTA and citric acid on electrokinetic remediation of As, Cd, Cr, Cu, Ni, Pb and Zn contaminated dredged marine sediment. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 10577-10588	5.7	83
71	Mechanistic understanding of reduced AgNP phytotoxicity induced by extracellular polymeric substances. <i>Journal of Hazardous Materials</i> , 2016 , 308, 21-8	12.8	34
70	Effect of Organic Matter on Sorption of Zn on Soil: Elucidation by Wien Effect Measurements and EXAFS Spectroscopy. <i>Environmental Science & Technology</i> , 2016 , 50, 2931-7	10.3	58
69	Efficient transformation of DDT by peroxymonosulfate activated with cobalt in aqueous systems: Kinetics, products, and reactive species identification. <i>Chemosphere</i> , 2016 , 148, 68-76	8.4	54
68	Fe ₃ O ₄ @ECD nanocomposite as heterogeneous Fenton-like catalyst for enhanced degradation of 4-chlorophenol (4-CP). <i>Applied Catalysis B: Environmental</i> , 2016 , 188, 113-122	21.8	175
67	Electrokinetic delivery of persulfate to remediate PCBs polluted soils: Effect of different activation methods. <i>Chemosphere</i> , 2016 , 144, 138-47	8.4	42
66	Evidence for the generation of reactive oxygen species from hydroquinone and benzoquinone: Roles in arsenite oxidation. <i>Chemosphere</i> , 2016 , 150, 71-78	8.4	23
65	Efficient transformation of DDTs with Persulfate Activation by Zero-valent Iron Nanoparticles: A Mechanistic Study. <i>Journal of Hazardous Materials</i> , 2016 , 316, 232-41	12.8	133
64	Extraction and speciation analysis of roxarsone and its metabolites from soils with different physicochemical properties. <i>Journal of Soils and Sediments</i> , 2016 , 16, 1557-1568	3.4	19
63	Effects of warming on uptake and translocation of cadmium (Cd) and copper (Cu) in a contaminated soil-rice system under Free Air Temperature Increase (FATI). <i>Chemosphere</i> , 2016 , 155, 1-8	8.4	21
62	Roxarsone binding to soil-derived dissolved organic matter: Insights from multi-spectroscopic techniques. <i>Chemosphere</i> , 2016 , 155, 225-233	8.4	61
61	Biofilms and extracellular polymeric substances mediate the transport of graphene oxide nanoparticles in saturated porous media. <i>Journal of Hazardous Materials</i> , 2015 , 300, 467-474	12.8	71
60	Investigation on the Physical and Chemical Properties of Hydrochar and Its Derived Pyrolysis Char for Their Potential Application: Influence of Hydrothermal Carbonization Conditions. <i>Energy & Fuels</i> , 2015 , 29, 5222-5230	4.1	45
59	Internal distribution of Cd in lettuce and resulting effects on Cd trophic transfer to the snail: <i>Achatina fulica</i> . <i>Chemosphere</i> , 2015 , 135, 123-8	8.4	18
58	Manipulation of persistent free radicals in biochar to activate persulfate for contaminant degradation. <i>Environmental Science & Technology</i> , 2015 , 49, 5645-53	10.3	479
57	Role of Hydrochar Properties on the Porosity of Hydrochar-based Porous Carbon for Their Sustainable Application. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 833-840	8.3	72

56	Soil geochemistry and digestive solubilization control mercury bioaccumulation in the earthworm <i>Pheretima guillemi</i> . <i>Journal of Hazardous Materials</i> , 2015 , 292, 44-51	12.8	25
55	Effects of different warming patterns on the translocations of cadmium and copper in a soil-rice seedling system. <i>Environmental Science and Pollution Research</i> , 2015 , 22, 15835-43	5.1	7
54	Mechanism of hydroxyl radical generation from biochar suspensions: Implications to diethyl phthalate degradation. <i>Bioresource Technology</i> , 2015 , 176, 210-7	11	210
53	Adsorption of diethyl phthalate ester to clay minerals. <i>Chemosphere</i> , 2015 , 119, 690-696	8.4	55
52	Surfactant and oxidant enhanced electrokinetic remediation of a PCBs polluted soil. <i>Separation and Purification Technology</i> , 2014 , 123, 106-113	8.3	54
51	Novel and High-Performance Magnetic Carbon Composite Prepared from Waste Hydrochar for Dye Removal. <i>ACS Sustainable Chemistry and Engineering</i> , 2014 , 2, 969-977	8.3	106
50	Bioavailability of Soil Copper from Different Sources: Integrating Chemical Approaches with Biological Indicators. <i>Pedosphere</i> , 2014 , 24, 145-152	5	6
49	Electrokinetic delivery of persulfate to remediate PCBs polluted soils: effect of injection spot. <i>Chemosphere</i> , 2014 , 117, 410-8	8.4	39
48	Effect of iron oxide reductive dissolution on the transformation and immobilization of arsenic in soils: New insights from X-ray photoelectron and X-ray absorption spectroscopy. <i>Journal of Hazardous Materials</i> , 2014 , 279, 212-9	12.8	57
47	Laboratory assessment of the mobility of water-dispersed engineered nanoparticles in a red soil (Ultisol). <i>Journal of Hydrology</i> , 2014 , 519, 1677-1687	6	42
46	Kinetics, intermediates and acute toxicity of arsenic acid photolysis. <i>Chemosphere</i> , 2014 , 107, 274-281	8.4	65
45	Assessment of the Zn-Co mixtures rhizotoxicity under Ca deficiency: using two conventional mixture models based on the cell membrane surface potential. <i>Chemosphere</i> , 2014 , 112, 232-9	8.4	7
44	Hyperexponential and nonmonotonic retention of polyvinylpyrrolidone-coated silver nanoparticles in an Ultisol. <i>Journal of Contaminant Hydrology</i> , 2014 , 164, 35-48	3.9	56
43	Transport of fluorescently labeled hydroxyapatite nanoparticles in saturated granular media at environmentally relevant concentrations of surfactants. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2014 , 457, 58-66	5.1	29
42	Integration of metal chemical forms and subcellular partitioning to understand metal toxicity in two lettuce (<i>Lactuca sativa</i> L.) cultivars. <i>Plant and Soil</i> , 2014 , 384, 201-212	4.2	21
41	Photocatalytic degradation of tetracycline in aqueous solution by nanosized TiO ₂ . <i>Chemosphere</i> , 2013 , 92, 925-32	8.4	404
40	Transport of biochar particles in saturated granular media: effects of pyrolysis temperature and particle size. <i>Environmental Science & Technology</i> , 2013 , 47, 821-8	10.3	220
39	Complex Interaction and Adsorption of Glyphosate and Lead in Soil. <i>Soil and Sediment Contamination</i> , 2013 , 22, 72-84	3.2	7

38	Enhanced-electrokinetic remediation of copper-pyrene co-contaminated soil with different oxidants and pH control. <i>Chemosphere</i> , 2013 , 90, 2326-31	8.4	63
37	Transformation of polychlorinated biphenyls by persulfate at ambient temperature. <i>Chemosphere</i> , 2013 , 90, 1573-80	8.4	118
36	Antagonistic effects of humic acid and iron oxyhydroxide grain-coating on biochar nanoparticle transport in saturated sand. <i>Environmental Science & Technology</i> , 2013 , 47, 5154-61	10.3	132
35	Activation of persulfate by quinones: free radical reactions and implication for the degradation of PCBs. <i>Environmental Science & Technology</i> , 2013 , 47, 4605-11	10.3	494
34	Superoxide radical driving the activation of persulfate by magnetite nanoparticles: Implications for the degradation of PCBs. <i>Applied Catalysis B: Environmental</i> , 2013 , 129, 325-332	21.8	332
33	TiO ₂ photocatalytic degradation of 4-chlorobiphenyl as affected by solvents and surfactants. <i>Journal of Soils and Sediments</i> , 2012 , 12, 376-385	3.4	30
32	Remediation of polychlorinated biphenyl-contaminated soil by soil washing and subsequent TiO ₂ photocatalytic degradation. <i>Journal of Soils and Sediments</i> , 2012 , 12, 1371-1379	3.4	20
31	Sulfate radical-based degradation of polychlorinated biphenyls: effects of chloride ion and reaction kinetics. <i>Journal of Hazardous Materials</i> , 2012 , 227-228, 394-401	12.8	270
30	Transport of ARS-labeled hydroxyapatite nanoparticles in saturated granular media is influenced by surface charge variability even in the presence of humic acid. <i>Journal of Hazardous Materials</i> , 2012 , 229-230, 170-6	12.8	37
29	Humic acid facilitates the transport of ARS-labeled hydroxyapatite nanoparticles in iron oxyhydroxide-coated sand. <i>Environmental Science & Technology</i> , 2012 , 46, 2738-45	10.3	144
28	Facilitated Transport of Copper with Hydroxyapatite Nanoparticles in Saturated Sand. <i>Soil Science Society of America Journal</i> , 2012 , 76, 375-388	2.5	39
27	A QICAR approach for quantifying binding constants for metal-ligand complexes. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 1036-42	7	24
26	Temperature affects cadmium-induced phytotoxicity involved in subcellular cadmium distribution and oxidative stress in wheat roots. <i>Ecotoxicology and Environmental Safety</i> , 2011 , 74, 2029-35	7	27
25	Facilitated transport of Cu with hydroxyapatite nanoparticles in saturated sand: effects of solution ionic strength and composition. <i>Water Research</i> , 2011 , 45, 5905-15	12.5	86
24	Free Cu ²⁺ Ions, Cu Fractionation and Microbial Parameters in Soils from Apple Orchards Following Long-Term Application of Copper Fungicides. <i>Pedosphere</i> , 2011 , 21, 139-145	5	8
23	Transport and re-entrainment of soil colloids in saturated packed column: effects of pH and ionic strength. <i>Journal of Soils and Sediments</i> , 2011 , 11, 491-503	3.4	67
22	Wien effect determination of binding and adsorption energies between positively charged nano-particles and anions. <i>Journal of Soils and Sediments</i> , 2011 , 11, 783-788	3.4	2
21	Calcium and magnesium enhance arsenate rhizotoxicity and uptake in <i>Triticum aestivum</i> . <i>Environmental Toxicology and Chemistry</i> , 2011 , 30, 1642-8	3.8	7

20	Transport behavior of humic acid-modified nano-hydroxyapatite in saturated packed column: effects of Cu, ionic strength, and ionic composition. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 398-407	9.3	47
19	A novel approach for predicting the uptake and toxicity of metallic and metalloid ions. <i>Plant Signaling and Behavior</i> , 2011 , 6, 461-5	2.5	2
18	Phosphate affects the adsorption of tetracycline on two soils with different characteristics. <i>Geoderma</i> , 2010 , 156, 237-242	6.7	44
17	Binding energies of monovalent anions with Fe/Al oxides based on ion activity and suspension Wien effect methods. <i>Journal of Soils and Sediments</i> , 2010 , 10, 863-869	3.4	6
16	Evaluating mechanisms for plant-ion (Ca ²⁺ , Cu ²⁺ , Cd ²⁺ or Ni ²⁺) interactions and their effectiveness on rhizotoxicity. <i>Plant and Soil</i> , 2010 , 334, 277-288	4.2	26
15	Surface-modified nanoscale carbon black used as sorbents for Cu(II) and Cd(II). <i>Journal of Hazardous Materials</i> , 2010 , 174, 34-9	12.8	50
14	Microbial and enzyme properties of apple orchard soil as affected by long-term application of copper fungicide. <i>Soil Biology and Biochemistry</i> , 2009 , 41, 1504-1509	7.5	99
13	Adsorption and desorption of Cu(II), Zn(II), Pb(II), and Cd(II) on the soils amended with nanoscale hydroxyapatite. <i>Environmental Progress and Sustainable Energy</i> , 2009 , 29, 233-241	2.5	31
12	Distribution and Accumulation of Copper and Cadmium in SoilRice System as Affected by Soil Amendments. <i>Water, Air, and Soil Pollution</i> , 2009 , 196, 29-40	2.6	55
11	Application of bioassays to evaluate a copper contaminated soil before and after a pilot-scale electrokinetic remediation. <i>Environmental Pollution</i> , 2009 , 157, 410-6	9.3	36
10	Adsorption Kinetics of Glyphosate and Copper(II) Alone and Together on Two Types of Soils. <i>Soil Science Society of America Journal</i> , 2009 , 73, 1995-2001	2.5	12
9	Effects of sodium hypochlorite and high pH buffer solution in electrokinetic soil treatment on soil chromium removal and the functional diversity of soil microbial community. <i>Journal of Hazardous Materials</i> , 2007 , 142, 111-7	12.8	28
8	Ryegrass uptake of soil Cu/Zn induced by EDTA/EDDS together with a vertical direct-current electrical field. <i>Chemosphere</i> , 2007 , 67, 1671-6	8.4	46
7	Pilot-scale electrokinetic treatment of a Cu contaminated red soil. <i>Chemosphere</i> , 2006 , 63, 964-71	8.4	52
6	Copper and Zn uptake by radish and pakchoi as affected by application of livestock and poultry manures. <i>Chemosphere</i> , 2005 , 59, 167-75	8.4	108
5	Electrokinetic remediation of a Cu-Zn contaminated red soil by controlling the voltage and conditioning catholyte pH. <i>Chemosphere</i> , 2005 , 61, 519-27	8.4	99
4	Effects of catholyte conditioning on electrokinetic extraction of copper from mine tailings. <i>Environment International</i> , 2005 , 31, 885-90	12.9	20
3	Electrokinetic remediation of a Cu contaminated red soil by conditioning catholyte pH with different enhancing chemical reagents. <i>Chemosphere</i> , 2004 , 56, 265-73	8.4	123

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| 2 | Adsorption and cosorption of cadmium and glyphosate on two soils with different characteristics. <i>Chemosphere</i> , 2004 , 57, 1237-44 | 8.4 | 60 |
| 1 | Electrokinetic removal of chromium and copper from contaminated soils by lactic acid enhancement in the catholyte. <i>Journal of Environmental Sciences</i> , 2004 , 16, 529-32 | 6.4 | 8 |