Wang Yimin

List of Publications by Citations

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	Activation of persulfate by quinones: free radical reactions and implication for the degradation of PCBs. *Environmental Science & Technology*, **2013**, 47, 4605-11	10.3	494
162	Manipulation of persistent free radicals in biochar to activate persulfate for contaminant degradation. *Environmental Science & Technology*, **2015**, 49, 5645-53	10.3	479
161	Photocatalytic degradation of tetracycline in aqueous solution by nanosized TiO2. *Chemosphere*, **2013**, 92, 925-32	8.4	404
160	Superoxide radical driving the activation of persulfate by magnetite nanoparticles: Implications for the degradation of PCBs. *Applied Catalysis B: Environmental*, **2013**, 129, 325-332	21.8	332
159	Sulfate radical-based degradation of polychlorinated biphenyls: effects of chloride ion and reaction kinetics. *Journal of Hazardous Materials*, **2012**, 227-228, 394-401	12.8	270
158	Transport of biochar particles in saturated granular media: effects of pyrolysis temperature and particle size. *Environmental Science & Technology*, **2013**, 47, 821-8	10.3	220
157	Mechanism of hydroxyl radical generation from biochar suspensions: Implications to diethyl phthalate degradation. *Bioresource Technology*, **2015**, 176, 210-7	11	210
156	Fe3O4@ECD nanocomposite as heterogeneous Fenton-like catalyst for enhanced degradation of 4-chlorophenol (4-CP). *Applied Catalysis B: Environmental*, **2016**, 188, 113-122	21.8	175
155	Mechanistic understanding of polychlorinated biphenyls degradation by peroxymonosulfate activated with CuFe2O4 nanoparticles: Key role of superoxide radicals. *Chemical Engineering Journal*, **2018**, 348, 526-534	14.7	168
154	Humic acid facilitates the transport of ARS-labeled hydroxyapatite nanoparticles in iron oxyhydroxide-coated sand. *Environmental Science & Technology*, **2012**, 46, 2738-45	10.3	144
153	New insight into the mechanism of peroxymonosulfate activation by sulfur-containing minerals: Role of sulfur conversion in sulfate radical generation. *Water Research*, **2018**, 142, 208-216	12.5	142
152	Activation of persulfate with vanadium species for PCBs degradation: A mechanistic study. *Applied Catalysis B: Environmental*, **2017**, 202, 1-11	21.8	138
151	Efficient transformation of DDTs with Persulfate Activation by Zero-valent Iron Nanoparticles: A Mechanistic Study. *Journal of Hazardous Materials*, **2016**, 316, 232-41	12.8	133
150	Antagonistic effects of humic acid and iron oxyhydroxide grain-coating on biochar nanoparticle transport in saturated sand. *Environmental Science & Technology*, **2013**, 47, 5154-61	10.3	132
149	Electrokinetic remediation of a Cu contaminated red soil by conditioning catholyte pH with different enhancing chemical reagents. *Chemosphere*, **2004**, 56, 265-73	8.4	123
148	Transformation of polychlorinated biphenyls by persulfate at ambient temperature. *Chemosphere*, **2013**, 90, 1573-80	8.4	118
147	Copper and Zn uptake by radish and pakchoi as affected by application of livestock and poultry manures. *Chemosphere*, **2005**, 59, 167-75	8.4	108

146	Novel and High-Performance Magnetic Carbon Composite Prepared from Waste Hydrochar for Dye Removal. *ACS Sustainable Chemistry and Engineering*, **2014**, 2, 969-977	8.3	106
145	Microbial and enzyme properties of apple orchard soil as affected by long-term application of copper fungicide. *Soil Biology and Biochemistry*, **2009**, 41, 1504-1509	7.5	99
144	Electrokinetic remediation of a Cu-Zn contaminated red soil by controlling the voltage and conditioning catholyte pH. *Chemosphere*, **2005**, 61, 519-27	8.4	99
143	A scientometric review of biochar research in the past 20 years (1998–2018). *Biochar*, **2019**, 1, 23-43	10	96
142	Facilitated transport of Cu with hydroxyapatite nanoparticles in saturated sand: effects of solution ionic strength and composition. *Water Research*, **2011**, 45, 5905-15	12.5	86
141	Contribution of alcohol radicals to contaminant degradation in quenching studies of persulfate activation process. *Water Research*, **2018**, 139, 66-73	12.5	83
140	Effect of EDTA, EDDS, NTA and citric acid on electrokinetic remediation of As, Cd, Cr, Cu, Ni, Pb and Zn contaminated dredged marine sediment. *Environmental Science and Pollution Research*, **2016**, 23, 10577-10586	5.1	83
139	Zero-valent iron activated persulfate remediation of polycyclic aromatic hydrocarbon-contaminated soils: An in situ pilot-scale study. *Chemical Engineering Journal*, **2019**, 355, 65-75	14.7	74
138	Role of Hydrochar Properties on the Porosity of Hydrochar-based Porous Carbon for Their Sustainable Application. *ACS Sustainable Chemistry and Engineering*, **2015**, 3, 833-840	8.3	72
137	Reductive Hexachloroethane Degradation by SO with Thermal Activation of Persulfate under Anaerobic Conditions. *Environmental Science & Technology*, **2018**, 52, 8548-8557	10.3	72
136	Biofilms and extracellular polymeric substances mediate the transport of graphene oxide nanoparticles in saturated porous media. *Journal of Hazardous Materials*, **2015**, 300, 467-474	12.8	71
135	Effects of exposure pathways on the accumulation and phytotoxicity of silver nanoparticles in soybean and rice. *Nanotoxicology*, **2017**, 11, 699-709	5.3	67
134	Transport and re-entrainment of soil colloids in saturated packed column: effects of pH and ionic strength. *Journal of Soils and Sediments*, **2011**, 11, 491-503	3.4	67
133	Kinetics, intermediates and acute toxicity of arsanilic acid photolysis. *Chemosphere*, **2014**, 107, 274-281	8.4	65
132	Enhanced-electrokinetic remediation of copper-pyrene co-contaminated soil with different oxidants and pH control. *Chemosphere*, **2013**, 90, 2326-31	8.4	63
131	Roxarsone binding to soil-derived dissolved organic matter: Insights from multi-spectroscopic techniques. *Chemosphere*, **2016**, 155, 225-233	8.4	61
130	Adsorption and cosorption of cadmium and glyphosate on two soils with different characteristics. *Chemosphere*, **2004**, 57, 1237-44	8.4	60
129	Efficient activation of persulfate decomposition by Cu2FeSnS4 nanomaterial for bisphenol A degradation: Kinetics, performance and mechanism studies. *Applied Catalysis B: Environmental*, **2019**, 253, 278-285	21.8	58

128	Effect of Organic Matter on Sorption of Zn on Soil: Elucidation by Wien Effect Measurements and EXAFS Spectroscopy. *Environmental Science & Technology*, **2016**, 50, 2931-7	10.3	58
127	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. *Journal of Hazardous Materials*, **2014**, 279, 212-9	12.8	57
126	Mechanisms of Interaction between Persulfate and Soil Constituents: Activation, Free Radical Formation, Conversion, and Identification. *Environmental Science & Technology*, **2018**, 52, 14352-14361	10.3	57
125	Hyperexponential and nonmonotonic retention of polyvinylpyrrolidone-coated silver nanoparticles in an Ultisol. *Journal of Contaminant Hydrology*, **2014**, 164, 35-48	3.9	56
124	Adsorption of diethyl phthalate ester to clay minerals. *Chemosphere*, **2015**, 119, 690-696	8.4	55
123	Distribution and Accumulation of Copper and Cadmium in Soil–Rice System as Affected by Soil Amendments. *Water, Air, and Soil Pollution*, **2009**, 196, 29-40	2.6	55
122	Efficient transformation of DDT by peroxymonosulfate activated with cobalt in aqueous systems: Kinetics, products, and reactive species identification. *Chemosphere*, **2016**, 148, 68-76	8.4	54
121	Surfactant and oxidant enhanced electrokinetic remediation of a PCBs polluted soil. *Separation and Purification Technology*, **2014**, 123, 106-113	8.3	54
120	Pilot-scale electrokinetic treatment of a Cu contaminated red soil. *Chemosphere*, **2006**, 63, 964-71	8.4	52
119	Screening of wheat straw biochars for the remediation of soils polluted with Zn (II) and Cd (II). *Journal of Hazardous Materials*, **2019**, 362, 311-317	12.8	51
118	Transport and retention of silver nanoparticles in soil: Effects of input concentration, particle size and surface coating. *Science of the Total Environment*, **2019**, 648, 102-108	10.2	50
117	Surface-modified nanoscale carbon black used as sorbents for Cu(II) and Cd(II). *Journal of Hazardous Materials*, **2010**, 174, 34-9	12.8	50
116	Biomass Schiff base polymer-derived N-doped porous carbon embedded with CoO nanodots for adsorption and catalytic degradation of chlorophenol by peroxymonosulfate. *Journal of Hazardous Materials*, **2020**, 384, 121345	12.8	49
115	Production Temperature Effects on the Structure of Hydrochar-Derived Dissolved Organic Matter and Associated Toxicity. *Environmental Science & Technology*, **2018**, 52, 7486-7495	10.3	48
114	The transformation and fate of silver nanoparticles in paddy soil: effects of soil organic matter and redox conditions. *Environmental Science: Nano*, **2017**, 4, 919-928	7.1	47
113	The oxidation and sorption mechanism of Sb on δ-MnO 2. *Chemical Engineering Journal*, **2018**, 342, 429-437	14.7	47
112	Transport behavior of humic acid-modified nano-hydroxyapatite in saturated packed column: effects of Cu, ionic strength, and ionic composition. *Journal of Colloid and Interface Science*, **2011**, 360, 398-407	9.3	47
111	Role of solution chemistry in the retention and release of graphene oxide nanomaterials in uncoated and iron oxide-coated sand. *Science of the Total Environment*, **2017**, 579, 776-785	10.2	46

110	Ryegrass uptake of soil Cu/Zn induced by EDTA/EDDS together with a vertical direct-current electrical field. *Chemosphere*, **2007**, 67, 1671-6	8.4	46
109	Homogenous activation of persulfate by different species of vanadium ions for PCBs degradation. *Chemical Engineering Journal*, **2017**, 323, 84-95	14.7	45
108	Investigation on the Physical and Chemical Properties of Hydrochar and Its Derived Pyrolysis Char for Their Potential Application: Influence of Hydrothermal Carbonization Conditions. *Energy & Fuels*, **2015**, 29, 5222-5230	4.1	45
107	Phosphate affects the adsorption of tetracycline on two soils with different characteristics. *Geoderma*, **2010**, 156, 237-242	6.7	44
106	Electrokinetic delivery of persulfate to remediate PCBs polluted soils: Effect of different activation methods. *Chemosphere*, **2016**, 144, 138-47	8.4	42
105	Laboratory assessment of the mobility of water-dispersed engineered nanoparticles in a red soil (Ultisol). *Journal of Hydrology*, **2014**, 519, 1677-1687	6	42
104	Effect of different grain sizes of hydroxyapatite on soil heavy metal bioavailability and microbial community composition. *Agriculture, Ecosystems and Environment*, **2018**, 267, 165-173	5.7	42
103	Significant contribution of metastable particulate organic matter to natural formation of silver nanoparticles in soils. *Nature Communications*, **2019**, 10, 3775	17.4	41
102	A new insight into the immobilization mechanism of Zn on biochar: the role of anions dissolved from ash. *Scientific Reports*, **2016**, 6, 33630	4.9	40
101	Electrokinetic delivery of persulfate to remediate PCBs polluted soils: effect of injection spot. *Chemosphere*, **2014**, 117, 410-8	8.4	39
100	Facilitated Transport of Copper with Hydroxyapatite Nanoparticles in Saturated Sand. *Soil Science Society of America Journal*, **2012**, 76, 375-388	2.5	39
99	A Mechanistic Understanding of Hydrogen Peroxide Decomposition by Vanadium Minerals for Diethyl Phthalate Degradation. *Environmental Science & Technology*, **2018**, 52, 2178-2185	10.3	38
98	Effect of aqueous Fe(II) on Sb(V) sorption on soil and goethite. *Chemosphere*, **2016**, 147, 44-51	8.4	38
97	The degradation of diethyl phthalate by reduced smectite clays and dissolved oxygen. *Chemical Engineering Journal*, **2019**, 355, 247-254	14.7	38
96	Transport of ARS-labeled hydroxyapatite nanoparticles in saturated granular media is influenced by surface charge variability even in the presence of humic acid. *Journal of Hazardous Materials*, **2012**, 229-230, 170-6	12.8	37
95	Antimony oxidation and sorption behavior on birnessites with different properties (δMnO and triclinic birnessite). *Environmental Pollution*, **2019**, 246, 990-998	9.3	37
94	Application of bioassays to evaluate a copper contaminated soil before and after a pilot-scale electrokinetic remediation. *Environmental Pollution*, **2009**, 157, 410-6	9.3	36
93	A novel peroxymonosulfate activation process by periclase for efficient singlet oxygen-mediated degradation of organic pollutants. *Chemical Engineering Journal*, **2021**, 403, 126445	14.7	35

92	Mechanistic understanding of reduced AgNP phytotoxicity induced by extracellular polymeric substances. *Journal of Hazardous Materials*, **2016**, 308, 21-8	12.8	34
91	Comparison of Persulfate Activation and Fenton Reaction in Remediating an Organophosphorus Pesticides-Polluted Soil. *Pedosphere*, **2017**, 27, 465-474	5	32
90	Speciation and location of arsenic and antimony in rice samples around antimony mining area. *Environmental Pollution*, **2019**, 252, 1439-1447	9.3	32
89	Metagenomic analysis exploring microbial assemblages and functional genes potentially involved in di (2-ethylhexyl) phthalate degradation in soil. *Science of the Total Environment*, **2020**, 715, 137037	10.2	31
88	Genotypic variation and mechanism in uptake and translocation of perfluorooctanoic acid (PFOA) in lettuce (Lactuca sativa L.) cultivars grown in PFOA-polluted soils. *Science of the Total Environment*, **2018**, 636, 999-1008	10.2	31
87	Review of chemical and electrokinetic remediation of PCBs contaminated soils and sediments. *Environmental Sciences: Processes and Impacts*, **2016**, 18, 1140-1156	4.3	31
86	Adsorption and desorption of Cu(II), Zn(II), Pb(II), and Cd(II) on the soils amended with nanoscale hydroxyapatite. *Environmental Progress and Sustainable Energy*, **2009**, 29, 233-241	2.5	31
85	TiO2 photocatalytic degradation of 4-chlorobiphenyl as affected by solvents and surfactants. *Journal of Soils and Sediments*, **2012**, 12, 376-385	3.4	30
84	Synergy between Iron and Selenide on FeSe(111) Surface Driving Peroxymonosulfate Activation for Efficient Degradation of Pollutants. *Environmental Science & Technology*, **2020**, 54, 15489-15498	10.3	30
83	Transport of fluorescently labeled hydroxyapatite nanoparticles in saturated granular media at environmentally relevant concentrations of surfactants. *Colloids and Surfaces A: Physicochemical and Engineering Aspects*, **2014**, 457, 58-66	5.1	29
82	Demethanation Trend of Hydrochar Induced by Organic Solvent Washing and Its Influence on Hydrochar Activation. *Environmental Science & Technology*, **2017**, 51, 10756-10764	10.3	29
81	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. *Journal of Hazardous Materials*, **2007**, 142, 111-7	12.8	28
80	Temperature affects cadmium-induced phytotoxicity involved in subcellular cadmium distribution and oxidative stress in wheat roots. *Ecotoxicology and Environmental Safety*, **2011**, 74, 2029-35	7	27
79	Effects of clay minerals on diethyl phthalate degradation in Fenton reactions. *Chemosphere*, **2016**, 165, 52-58	8.4	26
78	Evaluating mechanisms for plant-ion (Ca2+, Cu2+, Cd2+ or Ni2+) interactions and their effectiveness on rhizotoxicity. *Plant and Soil*, **2010**, 334, 277-288	4.2	26
77	EDTA-enhanced electrokinetic remediation of aged electroplating contaminated soil assisted by combining dual cation-exchange membranes and circulation methods. *Chemosphere*, **2020**, 243, 125439	8.4	26
76	Soil geochemistry and digestive solubilization control mercury bioaccumulation in the earthworm Pheretima guillemi. *Journal of Hazardous Materials*, **2015**, 292, 44-51	12.8	25
75	The effects of Fe-bearing smectite clays on OH formation and diethyl phthalate degradation with polyphenols and HO. *Journal of Hazardous Materials*, **2018**, 357, 483-490	12.8	25

74	Interactive effects of rice straw biochar and AlO on immobilization of Zn. *Journal of Hazardous Materials*, **2019**, 373, 250-257	12.8	24
73	A QICAR approach for quantifying binding constants for metal-ligand complexes. *Ecotoxicology and Environmental Safety*, **2011**, 74, 1036-42	7	24
72	Environmental and human health risks from metal exposures nearby a Pb-Zn-Ag mine, China. *Science of the Total Environment*, **2020**, 698, 134326	10.2	24
71	Inhibited transport of graphene oxide nanoparticles in granular quartz sand coated with Bacillus subtilis and Pseudomonas putida biofilms. *Chemosphere*, **2017**, 169, 1-8	8.4	23
70	Evidence for the generation of reactive oxygen species from hydroquinone and benzoquinone: Roles in arsenite oxidation. *Chemosphere*, **2016**, 150, 71-78	8.4	23
69	Mechanism and Implication of the Sorption of Perfluorooctanoic Acid by Varying Soil Size Fractions. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 11569-11579	5.7	23
68	Hydrochars and phosphate enhancing the transport of nanoparticle silica in saturated sands. *Chemosphere*, **2017**, 189, 213-223	8.4	22
67	Effects of molecular weight-fractionated natural organic matter on the phytoavailability of silver nanoparticles. *Environmental Science: Nano*, **2018**, 5, 969-979	7.1	21
66	Integration of metal chemical forms and subcellular partitioning to understand metal toxicity in two lettuce (Lactuca sativa L.) cultivars. *Plant and Soil*, **2014**, 384, 201-212	4.2	21
65	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). *Chemosphere*, **2016**, 155, 1-8	8.4	21
64	Biochar decreased the bioavailability of Zn to rice and wheat grains: Insights from microscopic to macroscopic scales. *Science of the Total Environment*, **2018**, 621, 160-167	10.2	21
63	Differential bioaccumulation patterns of nanosized and dissolved silver in a land snail Achatina fulica. *Environmental Pollution*, **2017**, 222, 50-57	9.3	20
62	Effects of Fe(II) on Cd(II) immobilization by Mn(III)-rich MnO2. *Chemical Engineering Journal*, **2018**, 353, 167-175	14.7	20
61	Functional genomic analysis of phthalate acid ester (PAE) catabolism genes in the versatile PAE-mineralising bacterium Rhodococcus sp. 2G. *Science of the Total Environment*, **2018**, 640-641, 646-652	10.2	20
60	Remediation of polychlorinated biphenyl-contaminated soil by soil washing and subsequent TiO2 photocatalytic degradation. *Journal of Soils and Sediments*, **2012**, 12, 1371-1379	3.4	20
59	Effects of catholyte conditioning on electrokinetic extraction of copper from mine tailings. *Environment International*, **2005**, 31, 885-90	12.9	20
58	Surface-bound radical control rapid organic contaminant degradation through peroxymonosulfate activation by reduced Fe-bearing smectite clays. *Journal of Hazardous Materials*, **2020**, 389, 121819	12.8	20
57	Mechanism of metal sulfides accelerating Fe(II)/Fe(III) redox cycling to enhance pollutant degradation by persulfate: Metallic active sites vs. reducing sulfur species. *Journal of Hazardous Materials*, **2021**, 404, 124175	12.8	20

56	CuO@Cyclodextrin as a synergistic catalyst for hydroxyl radical generation and molecular recognitive destruction of aromatic pollutants at neutral pH. *Journal of Hazardous Materials*, **2018**, 357, 109-118	12.8	20
55	Efficient activation of peroxymonosulfate by copper sulfide for diethyl phthalate degradation: Performance, radical generation and mechanism. *Science of the Total Environment*, **2020**, 749, 142387	10.2	19
54	Extraction and speciation analysis of roxarsone and its metabolites from soils with different physicochemical properties. *Journal of Soils and Sediments*, **2016**, 16, 1557-1568	3.4	19
53	Peroxymonosulfate activation by localized electrons of ZnO oxygen vacancies for contaminant degradation. *Chemical Engineering Journal*, **2021**, 416, 128996	14.7	19
52	Internal distribution of Cd in lettuce and resulting effects on Cd trophic transfer to the snail: Achatina fulica. *Chemosphere*, **2015**, 135, 123-8	8.4	18
51	Sorption of roxarsone onto soils with different physicochemical properties. *Chemosphere*, **2016**, 159, 103-112	8.4	18
50	Natural degradation of roxarsone in contrasting soils: Degradation kinetics and transformation products. *Science of the Total Environment*, **2017**, 607-608, 132-140	10.2	18
49	Migration and decomplexation of metal-chelate complexes causing metal accumulation phenomenon after chelate-enhanced electrokinetic remediation. *Journal of Hazardous Materials*, **2019**, 377, 106-112	12.8	17
48	Determination of Trace Perfluoroalkyl Carboxylic Acids in Edible Crop Matrices: Matrix Effect and Method Development. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 8763-8772	5.7	17
47	Ion exchange membranes enhance the electrokinetic in situ chemical oxidation of PAH-contaminated soil. *Journal of Hazardous Materials*, **2020**, 382, 121042	12.8	17
46	Effects of soil properties, nitrogen application, plant phenology, and their interactions on plant uptake of cadmium in wheat. *Journal of Hazardous Materials*, **2020**, 384, 121452	12.8	17
45	Cultivar-Dependent Accumulation and Translocation of Perfluorooctanesulfonate among Lettuce (Lactuca sativa L.) Cultivars Grown on Perfluorooctanesulfonate-Contaminated Soil. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 13096-13106	5.7	16
44	Distribution of free radicals and intermediates during the photodegradation of polychlorinated biphenyls strongly affected by cosolvents and TiO_2 catalyst. *Chemosphere*, **2016**, 144, 628-34	8.4	14
43	High retention of silver sulfide nanoparticles in natural soils. *Journal of Hazardous Materials*, **2019**, 378, 120735	12.8	14
42	Citric Acid-Enhanced Electroremediation of Toxic Metal-Contaminated Dredged Sediments: Effect of Open/Closed Orifice Condition, Electric Potential and Surfactant. *Pedosphere*, **2018**, 28, 35-43	5	13
41	Efficient transformation of DDT with peroxymonosulfate activation by different crystallographic MnO. *Science of the Total Environment*, **2021**, 759, 142864	10.2	13
40	Transformation of tetracyclines induced by Fe(III)-bearing smectite clays under anoxic dark conditions. *Water Research*, **2019**, 165, 114997	12.5	12
39	Adsorption Kinetics of Glyphosate and Copper(II) Alone and Together on Two Types of Soils. *Soil Science Society of America Journal*, **2009**, 73, 1995-2001	2.5	12

38	Rapid DDTs degradation by thermally activated persulfate in soil under aerobic and anaerobic conditions: Reductive radicals vs. oxidative radicals. *Journal of Hazardous Materials*, **2021**, 402, 123557	12.8	12
37	Decarbonylation reaction of saturated and oxidized tar from pyrolysis of low aromaticity biomass boost reduction of hexavalent chromium. *Chemical Engineering Journal*, **2019**, 360, 1042-1050	14.7	11
36	Fate of di (2-ethylhexyl) phthalate and its impact on soil bacterial community under aerobic and anaerobic conditions. *Chemosphere*, **2019**, 216, 84-93	8.4	11
35	Oral bioaccessibility of silver nanoparticles and ions in natural soils: Importance of soil properties. *Environmental Pollution*, **2018**, 243, 364-373	9.3	11
34	Modeling the interaction and toxicity of Cu-Cd mixture to wheat roots affected by humic acids, in terms of cell membrane surface characteristics. *Chemosphere*, **2018**, 199, 76-83	8.4	10
33	Phytotoxicity and uptake of roxarsone by wheat (Triticum aestivum L.) seedlings. *Environmental Pollution*, **2016**, 219, 210-218	9.3	9
32	Effects of various warming patterns on Cd transfer in soil-rice systems under Free Air Temperature Increase (FATI) conditions. *Ecotoxicology and Environmental Safety*, **2019**, 168, 80-87	7	9
31	Identifying Plant Stress Responses to Roxarsone in Soybean Root Exudates: New Insights from Two-Dimensional Correlation Spectroscopy. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 53-62	5.7	9
30	Nano-Fe2O3 enhanced photocatalytic degradation of diethyl phthalate ester by citric Acid/UV (300400 nm): A mechanism study. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 360, 78-85	4.7	8
29	Free Cu2+ Ions, Cu Fractionation and Microbial Parameters in Soils from Apple Orchards Following Long-Term Application of Copper Fungicides. *Pedosphere*, **2011**, 21, 139-145	5	8
28	Electrokinetic removal of chromium and copper from contaminated soils by lactic acid enhancement in the catholyte. *Journal of Environmental Sciences*, **2004**, 16, 529-32	6.4	8
27	Macroscopic and microscopic investigation of adsorption and precipitation of Zn on alumina in the absence and presence of As. *Chemosphere*, **2017**, 178, 309-316	8.4	7
26	Effects of different warming patterns on the translocations of cadmium and copper in a soil-rice seedling system. *Environmental Science and Pollution Research*, **2015**, 22, 15835-43	5.1	7
25	Assessment of the Zn-Co mixtures rhizotoxicity under Ca deficiency: using two conventional mixture models based on the cell membrane surface potential. *Chemosphere*, **2014**, 112, 232-9	8.4	7
24	Complex Interaction and Adsorption of Glyphosate and Lead in Soil. *Soil and Sediment Contamination*, **2013**, 22, 72-84	3.2	7
23	Influence of bacterial extracellular polymeric substances on the sorption of Zn on alumina: A combination of FTIR and EXAFS studies. *Environmental Pollution*, **2017**, 220, 997-1004	9.3	7
22	Calcium and magnesium enhance arsenate rhizotoxicity and uptake in Triticum aestivum. *Environmental Toxicology and Chemistry*, **2011**, 30, 1642-8	3.8	7
21	Bioavailability of Soil Copper from Different Sources: Integrating Chemical Approaches with Biological Indicators. *Pedosphere*, **2014**, 24, 145-152	5	6

20	Binding energies of monovalent anions with Fe/Al oxides based on ion activity and suspension Wien effect methods. *Journal of Soils and Sediments*, **2010**, 10, 863-869	3.4	6
19	Deposition and release of carboxylated graphene in saturated porous media: Effect of transient solution chemistry. *Chemosphere*, **2019**, 235, 643-650	8.4	5
18	Temporal variability in Cu speciation, phytotoxicity, and soil microbial activity of Cu-polluted soils as affected by elevated temperature. *Chemosphere*, **2018**, 194, 285-296	8.4	5
17	Long-term dissolution and transformation of ZnO in soils: The roles of soil pH and ZnO particle size. *Journal of Hazardous Materials*, **2021**, 415, 125604	12.8	5
16	The overlooked oxidative dissolution of silver sulfide nanoparticles by thermal activation of persulfate: Processes, mechanisms, and influencing factors. *Science of the Total Environment*, **2021**, 760, 144504	10.2	4
15	(Fe3+)-UVC-(aliphatic/phenolic carboxyl acids) systems for diethyl phthalate ester degradation: A density functional theory (DFT) and experimental study. *Applied Catalysis A: General*, **2018**, 567, 20-27	5.1	4
14	Carbon nitride-based cuprous catalysts induced nonradical-led oxidation by peroxydisulfate: Role of cuprous and dissolved oxygen. *Chemical Engineering Journal*, **2021**, 419, 129667	14.7	4
13	Binding and adsorption energy of Cd in soils and its environmental implication for Cd bioavailability. *Soil Science Society of America Journal*, **2020**, 84, 472-482	2.5	3
12	Mechanism of significant enhancement of VO2-Fenton-like reactions by oxalic acid for diethyl phthalate degradation. *Separation and Purification Technology*, **2021**, 279, 119671	8.3	3
11	Cotransport of Cu with Graphene Oxide in Saturated Porous Media with Varying Degrees of Geochemical Heterogeneity. *Water (Switzerland)*, **2020**, 12, 444	3	2
10	Wien effect determination of binding and adsorption energies between positively charged nano-particles and anions. *Journal of Soils and Sediments*, **2011**, 11, 783-788	3.4	2
9	A novel approach for predicting the uptake and toxicity of metallic and metalloid ions. *Plant Signaling and Behavior*, **2011**, 6, 461-5	2.5	2
8	Time-dependent evolution of Zn(II) fractions in soils remediated by wheat straw biochar. *Science of the Total Environment*, **2020**, 717, 137021	10.2	1
7	Wien effect of Cd/Zn on soil clay fraction and their interaction. *Geochemical Transactions*, **2018**, 19, 5	3	1
6	Metabolic response of earthworms (Pheretima guillemi) to silver nanoparticles in sludge-amended soil.. *Environmental Pollution*, **2022**, 300, 118954	9.3	1
5	Unraveling the molecular mechanisms of Cd sorption onto MnO-loaded biochar produced from the Mn-hyperaccumulator Phytolacca americana. *Journal of Hazardous Materials*, **2022**, 423, 127157	12.8	1
4	Hydroxyl radicals induced mineralization of organic carbon during oxygenation of ferrous mineral-organic matter associations: Adsorption versus coprecipitation. *Science of the Total Environment*, **2021**, 816, 151667	10.2	0
3	Oxidative dissolution of SbO mediated by surface Mn redox cycling in oxic aquatic systems.. *Water Research*, **2022**, 217, 118403	12.5	0

2	Greater Bioaccessibility of Silver Nanoparticles in Earthworm than in Soils.. *Bulletin of Environmental Contamination and Toxicology*, **2022**, 1	2.7
1	Mechanistic insight into sulfite-enhanced diethyl phthalate degradation by hydrogen atom under UV light. *Separation and Purification Technology*, **2022**, 295, 121310	8.3