

Yujun Wang

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.

152
papers

6,254
citations

40
h-index

75
g-index

159
ext. papers

7,731
ext. citations

8.2
avg, IF

6.16
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 152 | Extraction and Quantification of Nanoparticulate Mercury in Natural Soils.. <i>Environmental Science & Technology</i> , 2022 , | 10.3 | 2 |
| 151 | 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 |
| 150 | Oxidative dissolution of SbO mediated by surface Mn redox cycling in oxic aquatic systems.. <i>Water Research</i> , 2022 , 217, 118403 | 12.5 | 0 |
| 149 | The impact of alternate wetting and drying and continuous flooding on antimony speciation and uptake in a soil-rice system.. <i>Chemosphere</i> , 2022 , 297, 134147 | 8.4 | |
| 148 | Oxytetracycline induced the redox of iron and promoted the oxidation of As(III).. <i>Science of the Total Environment</i> , 2022 , 154381 | 10.2 | 0 |
| 147 | Greater Bioaccessibility of Silver Nanoparticles in Earthworm than in Soils.. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022 , 1 | 2.7 | |
| 146 | Sorption mechanism of cadmium on soils: A combination of batch experiment, path analysis, and EXAFS techniques. <i>Geoderma</i> , 2022 , 422, 115950 | 6.7 | 0 |
| 145 | Pyridinic- and Pyrrolic Nitrogen in Pyrogenic Carbon Improves Electron Shuttling during Microbial Fe(III) Reduction. <i>ACS Earth and Space Chemistry</i> , 2021 , 5, 900-909 | 3.2 | 1 |
| 144 | UV-Irradiation Facilitating Pb Release from Recycled PVC Microplastics. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2021 , 107, 748-753 | 2.7 | 2 |
| 143 | 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 |
| 142 | Nano FeO embedded in montmorillonite with citric acid enhanced photocatalytic activity of nanoparticles towards diethyl phthalate. <i>Journal of Environmental Sciences</i> , 2021 , 101, 248-259 | 6.4 | 7 |
| 141 | Transfer and toxicity of silver nanoparticles in the food chain. <i>Environmental Science: Nano</i> , 2021 , 8, 1519-1535 | 7.1 | 7 |
| 140 | Persistent Free Radicals from Low-Molecular-Weight Organic Compounds Enhance Cross-Coupling Reactions and Toxicity of Anthracene on Amorphous Silica Surfaces under Light. <i>Environmental Science & Technology</i> , 2021 , 55, 3716-3726 | 10.3 | 9 |
| 139 | Visualizing the development trend and research frontiers of biochar in 2020: a scientometric perspective. <i>Biochar</i> , 2021 , 3, 419 | 10 | 4 |
| 138 | In situ stabilization of the adsorbed Co and Ni in rice straw biochar based on LDH and its reutilization in the activation of peroxymonosulfate. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126215 | 12.8 | 4 |
| 137 | Reactive oxygen species formation in thiols solution mediated by pyrogenic carbon under aerobic conditions. <i>Journal of Hazardous Materials</i> , 2021 , 415, 125726 | 12.8 | 1 |
| 136 | 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 |

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|-----|--|------|----|
| 135 | Combining multisurface model and Gouy-Chapman-Stern model to predict cadmium uptake by cabbage (<i>Brassica Chinensis</i> L.) in soils. <i>Journal of Hazardous Materials</i> , 2021 , 416, 126260 | 12.8 | 0 |
| 134 | Microorganisms-carbonaceous materials immobilized complexes: Synthesis, adaptability and environmental applications. <i>Journal of Hazardous Materials</i> , 2021 , 416, 125915 | 12.8 | 8 |
| 133 | Facet-Dependent Photoinduced Transformation of Cadmium Sulfide (CdS) Nanoparticles. <i>Environmental Science & Technology</i> , 2021 , 55, 13132-13141 | 10.3 | 1 |
| 132 | Two transformation pathways of Acetaminophen with Fe saturated clay particles in dark or light. <i>Chemosphere</i> , 2021 , 278, 130399 | 8.4 | 4 |
| 131 | Photochemical characterization of paddy water during rice cultivation: Formation of reactive intermediates for As(III) oxidation. <i>Water Research</i> , 2021 , 206, 117721 | 12.5 | 5 |
| 130 | Reveal a hidden highly toxic substance in biochar to support its effective elimination strategy. <i>Journal of Hazardous Materials</i> , 2020 , 399, 123055 | 12.8 | 14 |
| 129 | Visualizing the emerging trends of biochar research and applications in 2019: a scientometric analysis and review. <i>Biochar</i> , 2020 , 2, 135-150 | 10 | 36 |
| 128 | Effects of different water management strategies on the stability of cadmium and copper immobilization by biochar in rice-wheat rotation system. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 202, 110887 | 7 | 8 |
| 127 | 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 |
| 126 | The formation of DH with Fe-bearing smectite clays and low-molecular-weight thiols: Implication of As(III) removal. <i>Water Research</i> , 2020 , 174, 115631 | 12.5 | 11 |
| 125 | Influence of Soil Properties and Aging on Antimony Toxicity for Barley Root Elongation. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2020 , 104, 714-720 | 2.7 | 4 |
| 124 | Prediction of the uptake of Cd by rice (<i>Oryza sativa</i>) in paddy soils by a multi-surface model. <i>Science of the Total Environment</i> , 2020 , 724, 138289 | 10.2 | 6 |
| 123 | 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 |
| 122 | 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 |
| 121 | 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 |
| 120 | Role of Reduced Sulfur in the Transformation of Cd(II) Immobilized by EMnO. <i>Environmental Science & Technology</i> , 2020 , 54, 14955-14963 | 10.3 | 9 |
| 119 | Contrasting impacts of pH on the abiotic transformation of hydrochar-derived dissolved organic matter mediated by EMnO2. <i>Geoderma</i> , 2020 , 378, 114627 | 6.7 | 14 |
| 118 | Interactions between nitrogen application and soil properties and their impacts on the transfer of cadmium from soil to wheat (<i>Triticum aestivum</i> L.) grain. <i>Geoderma</i> , 2020 , 357, 113923 | 6.7 | 21 |

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| 117 | 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 |
| 116 | Efficient transformation of diethyl phthalate using calcium peroxide activated by pyrite. <i>Chemosphere</i> , 2020 , 253, 126662 | 8.4 | 12 |
| 115 | Chemodiversity of Soil Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2020 , 54, 6174-6184 | 10.3 | 32 |
| 114 | Exploring the Distribution of Zn ²⁺ in Inner and Outer Helmholtz Planes of the Electrical Double Layer of Soil based on Wien Effect. <i>Soil Science Society of America Journal</i> , 2019 , 83, 97-106 | 2.5 | 4 |
| 113 | Dissolution and Transformation of ZnO Nano- and Microparticles in Soil Mineral Suspensions. <i>ACS Earth and Space Chemistry</i> , 2019 , 3, 495-502 | 3.2 | 13 |
| 112 | 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 |
| 111 | Cd(II) retention and remobilization on γ -MnO and Mn(III)-rich γ -MnO affected by Mn(II). <i>Environment International</i> , 2019 , 130, 104932 | 12.9 | 13 |
| 110 | Cotransformation of Carbon Dots and Contaminant under Light in Aqueous Solutions: A Mechanistic Study. <i>Environmental Science & Technology</i> , 2019 , 53, 6235-6244 | 10.3 | 20 |
| 109 | Unraveling the effects of gallic acid on Sb(III) adsorption and oxidation on goethite. <i>Chemical Engineering Journal</i> , 2019 , 369, 414-421 | 14.7 | 22 |
| 108 | Interactive effects of rice straw biochar and γ -AlO on immobilization of Zn. <i>Journal of Hazardous Materials</i> , 2019 , 373, 250-257 | 12.8 | 24 |
| 107 | A scientometric review of biochar research in the past 20 years (1998-2018). <i>Biochar</i> , 2019 , 1, 23-43 | 10 | 96 |
| 106 | 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 |
| 105 | Rapid Hydrolysis of Penicillin Antibiotics Mediated by Adsorbed Zinc on Goethite Surfaces. <i>Environmental Science & Technology</i> , 2019 , 53, 10705-10713 | 10.3 | 16 |
| 104 | Formation of Cd precipitates on γ -AlO: Implications for Cd sequestration in the environment. <i>Environment International</i> , 2019 , 126, 234-241 | 12.9 | 15 |
| 103 | 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 |
| 102 | Mechanisms of Sb(III) oxidation mediated by low molecular weight phenolic acids. <i>Chemical Engineering Journal</i> , 2019 , 356, 190-198 | 14.7 | 18 |
| 101 | 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 |
| 100 | Effects of Soil Properties on Cadmium Toxicity to <i>Folsomia candida</i> (Collembola). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2019 , 103, 90-97 | 2.7 | 2 |

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| 99 | The oxidation and sorption mechanism of Sb on MnO_2 . <i>Chemical Engineering Journal</i> , 2018 , 342, 429-437 | 4.7 | 47 |
| 98 | Sorption mechanism of zinc on reed, lignin, and reed- and lignin-derived biochars: kinetics, equilibrium, and spectroscopic studies. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2535-2543 | 3.4 | 9 |
| 97 | Retention of silver nanoparticles and silver ion to natural soils: effects of soil physicochemical properties. <i>Journal of Soils and Sediments</i> , 2018 , 18, 2491-2499 | 3.4 | 14 |
| 96 | Wien effect of Cd/Zn on soil clay fraction and their interaction. <i>Geochemical Transactions</i> , 2018 , 19, 5 | 3 | 1 |
| 95 | Mechanistic understanding of polychlorinated biphenyls degradation by peroxydisulfate activated with CuFe_2O_4 nanoparticles: Key role of superoxide radicals. <i>Chemical Engineering Journal</i> , 2018 , 348, 526-534 | 14.7 | 168 |
| 94 | Effect of nanoparticle hydroxyapatite on the immobilization of Cu and Zn in polluted soil. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 73-80 | 5.1 | 31 |
| 93 | 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 |
| 92 | Reductive Hexachloroethane Degradation by SO_2 with Thermal Activation of Persulfate under Anaerobic Conditions. <i>Environmental Science & Technology</i> , 2018 , 52, 8548-8557 | 10.3 | 72 |
| 91 | Fate of As(III) and As(V) during Microbial Reduction of Arsenic-Bearing Ferrihydrite Facilitated by Activated Carbon. <i>ACS Earth and Space Chemistry</i> , 2018 , 2, 878-887 | 3.2 | 21 |
| 90 | 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 |
| 89 | Combining Path Analysis and X-Ray Absorption Spectroscopy to Unravel the Zn Sorption Mechanism on Soils. <i>Soil Science Society of America Journal</i> , 2018 , 82, 796-802 | 2.5 | 2 |
| 88 | Effects of soil properties and aging process on the acute toxicity of cadmium to earthworm <i>Eisenia fetida</i> . <i>Environmental Science and Pollution Research</i> , 2018 , 25, 3708-3717 | 5.1 | 9 |
| 87 | 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 |
| 86 | Modeling coupled kinetics of antimony adsorption/desorption and oxidation on manganese oxides. <i>Environmental Sciences: Processes and Impacts</i> , 2018 , 20, 1691-1696 | 4.3 | 7 |
| 85 | 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 |
| 84 | (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 |
| 83 | Photogeneration of reactive oxygen species from biochar suspension for diethyl phthalate degradation. <i>Applied Catalysis B: Environmental</i> , 2017 , 214, 34-45 | 21.8 | 149 |
| 82 | Predicting Cadmium Safety Thresholds in Soils Based on Cadmium Uptake by Chinese Cabbage. <i>Pedosphere</i> , 2017 , 27, 475-481 | 5 | 24 |

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| 81 | Macroscopic and microscopic investigation of adsorption and precipitation of Zn on Alumina in the absence and presence of As. <i>Chemosphere</i> , 2017 , 178, 309-316 | 8.4 | 7 |
| 80 | Redox-Active Oxygen-Containing Functional Groups in Activated Carbon Facilitate Microbial Reduction of Ferrihydrite. <i>Environmental Science & Technology</i> , 2017 , 51, 9709-9717 | 10.3 | 62 |
| 79 | Effects of low-molecular-weight organic acids on the acute lethality, accumulation, and enzyme activity of cadmium in <i>Eisenia fetida</i> in a simulated soil solution. <i>Environmental Toxicology and Chemistry</i> , 2017 , 36, 1005-1011 | 3.8 | 5 |
| 78 | Influence of bacterial extracellular polymeric substances on the sorption of Zn on Alumina: A combination of FTIR and EXAFS studies. <i>Environmental Pollution</i> , 2017 , 220, 997-1004 | 9.3 | 7 |
| 77 | 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 |
| 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 | Effect of aqueous Fe(II) on Sb(V) sorption on soil and goethite. <i>Chemosphere</i> , 2016 , 147, 44-51 | 8.4 | 38 |
| 74 | Mechanistic understanding of reduced AgNP phytotoxicity induced by extracellular polymeric substances. <i>Journal of Hazardous Materials</i> , 2016 , 308, 21-8 | 12.8 | 34 |
| 73 | 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 |
| 72 | 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 |
| 71 | Measuring the bioavailability of polychlorinated biphenyls to earthworms in soil enriched with biochar or activated carbon using triolein-embedded cellulose acetate membrane. <i>Journal of Soils and Sediments</i> , 2016 , 16, 527-536 | 3.4 | 7 |
| 70 | Oxidation mechanism of As(III) in the presence of polyphenols: New insights into the reactive oxygen species. <i>Chemical Engineering Journal</i> , 2016 , 285, 69-76 | 14.7 | 31 |
| 69 | Aromatic Arsenical Additives (AAAs) in the Soil Environment: Detection, Environmental Behaviors, Toxicities, and Remediation. <i>Advances in Agronomy</i> , 2016 , 1-41 | 7.7 | 7 |
| 68 | Evaluating the fraction of electrically associated cations on surfaces of soil particles by extrapolation of strong-field Wien effect measurements in dilute suspensions. <i>Journal of Soils and Sediments</i> , 2016 , 16, 1683-1689 | 3.4 | 2 |
| 67 | 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 |
| 66 | 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 |
| 65 | Effects of Soil Organic Matter on Sorption of Metal Ions on Soil Clay Particles. <i>Soil Science Society of America Journal</i> , 2015 , 79, 794-802 | 2.5 | 25 |
| 64 | Effect of iron plaque on antimony uptake by rice (<i>Oryza sativa</i> L.). <i>Environmental Pollution</i> , 2015 , 204, 133-40 | 9.3 | 38 |

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| 63 | 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 |
| 62 | The regime and P availability of omitting P fertilizer application for rice in rice/wheat rotation in the Taihu Lake Region of southern China. <i>Journal of Soils and Sediments</i> , 2015 , 15, 844-853 | 3.4 | 20 |
| 61 | 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 |
| 60 | Mechanism of hydroxyl radical generation from biochar suspensions: Implications to diethyl phthalate degradation. <i>Bioresource Technology</i> , 2015 , 176, 210-7 | 11 | 210 |
| 59 | Comparison between ion activity method and suspension Wien effect method in determining binding energy of divalent cations to soil particles. <i>Journal of Soils and Sediments</i> , 2015 , 15, 2276-2284 | 3.4 | 1 |
| 58 | Photo-induced oxidation of Sb(III) on goethite. <i>Chemosphere</i> , 2014 , 95, 295-300 | 8.4 | 48 |
| 57 | 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 |
| 56 | Key role of persistent free radicals in hydrogen peroxide activation by biochar: implications to organic contaminant degradation. <i>Environmental Science & Technology</i> , 2014 , 48, 1902-10 | 10.3 | 397 |
| 55 | 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 |
| 54 | TiO ₂ photocatalytic degradation of tetracycline as affected by a series of environmental factors. <i>Journal of Soils and Sediments</i> , 2014 , 14, 1350-1358 | 3.4 | 36 |
| 53 | Kinetics, intermediates and acute toxicity of arsenic acid photolysis. <i>Chemosphere</i> , 2014 , 107, 274-281 | 8.4 | 65 |
| 52 | New Insights into the Mechanism of the Catalytic Decomposition of Hydrogen Peroxide by Activated Carbon: Implications for Degradation of Diethyl Phthalate. <i>Industrial & Engineering Chemistry Research</i> , 2014 , 53, 19925-19933 | 3.9 | 62 |
| 51 | Inhibition effect of glyphosate on the acute and subacute toxicity of cadmium to earthworm <i>Eisenia fetida</i> . <i>Environmental Toxicology and Chemistry</i> , 2014 , 33, 2351-7 | 3.8 | 13 |
| 50 | Subacute toxicity of copper and glyphosate and their interaction to earthworm (<i>Eisenia fetida</i>). <i>Environmental Pollution</i> , 2013 , 180, 71-7 | 9.3 | 63 |
| 49 | Photocatalytic degradation of tetracycline in aqueous solution by nanosized TiO ₂ . <i>Chemosphere</i> , 2013 , 92, 925-32 | 8.4 | 404 |
| 48 | Reducing the bioavailability of PCBs in soil to plant by biochars assessed with triolein-embedded cellulose acetate membrane technique. <i>Environmental Pollution</i> , 2013 , 174, 250-6 | 9.3 | 28 |
| 47 | Inhibition mechanisms of Zn precipitation on aluminum oxide by glyphosate: a ³¹ P NMR and Zn EXAFS study. <i>Environmental Science & Technology</i> , 2013 , 47, 4211-9 | 10.3 | 28 |
| 46 | Sorption isotherms and kinetics of Sb(V) on several Chinese soils with different physicochemical properties. <i>Journal of Soils and Sediments</i> , 2013 , 13, 344-353 | 3.4 | 29 |

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|----|---|------|-----|
| 45 | Exploring the effect of organic matter on the interactions between mineral particles and cations with Wien effect measurements. <i>Journal of Soils and Sediments</i> , 2013 , 13, 304-311 | 3.4 | 8 |
| 44 | Transformation of polychlorinated biphenyls by persulfate at ambient temperature. <i>Chemosphere</i> , 2013 , 90, 1573-80 | 8.4 | 118 |
| 43 | 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 |
| 42 | Enhanced PCBs sorption on biochars as affected by environmental factors: Humic acid and metal cations. <i>Environmental Pollution</i> , 2013 , 172, 86-93 | 9.3 | 65 |
| 41 | Wien Effect in Suspensions and Its Application in Soil Science. <i>Advances in Agronomy</i> , 2013 , 122, 127-178 | 7.7 | 11 |
| 40 | Organo-Modification Effects on Soil Particles-Inorganic Cations Interactions as Revealed by Wien Effect Measurements. <i>Soil Science Society of America Journal</i> , 2013 , 77, 442-449 | 2.5 | 4 |
| 39 | Automatic pH control system enhances the dechlorination of 2,4,4-trichlorobiphenyl and extracted PCBs from contaminated soil by nanoscale Fe ⁰ and Pd/Fe ⁰ . <i>Environmental Science and Pollution Research</i> , 2012 , 19, 448-57 | 5.1 | 35 |
| 38 | 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 |
| 37 | 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 |
| 36 | Assessing the Impact of Iron-based Nanoparticles on pH, Dissolved Organic Carbon, and Nutrient Availability in Soils. <i>Soil and Sediment Contamination</i> , 2012 , 21, 101-114 | 3.2 | 20 |
| 35 | Does glyphosate impact on Cu uptake by, and toxicity to, the earthworm <i>Eisenia fetida</i> ?. <i>Ecotoxicology</i> , 2012 , 21, 2297-305 | 2.9 | 21 |
| 34 | Formation of crystalline Zn-Al layered double hydroxide precipitates on γ -Alumina: the role of mineral dissolution. <i>Environmental Science & Technology</i> , 2012 , 46, 11670-7 | 10.3 | 75 |
| 33 | Cu and glyphosate toxicity to earthworm (<i>Eisenia fetida</i>). <i>Chinese Journal of Eco-Agriculture</i> , 2012 , 20, 1077-1082 | | 1 |
| 32 | Toxicity of zinc oxide nanoparticles in the earthworm, <i>Eisenia fetida</i> and subcellular fractionation of Zn. <i>Environment International</i> , 2011 , 37, 1098-104 | 12.9 | 95 |
| 31 | Humic acid and metal ions accelerating the dechlorination of 4-chlorobiphenyl by nanoscale zero-valent iron. <i>Journal of Environmental Sciences</i> , 2011 , 23, 1286-92 | 6.4 | 54 |
| 30 | 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 |
| 29 | 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 |
| 28 | Phosphate affects the adsorption of tetracycline on two soils with different characteristics. <i>Geoderma</i> , 2010 , 156, 237-242 | 6.7 | 44 |

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|----|--|------|-----|
| 27 | 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 |
| 26 | 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 |
| 25 | Wien Effect Measurements in Soil Colloidal Suspensions: A Novel Method for Characterizing the Interactions between Charged Particles and Counter Ions 2010 , 157-160 | | |
| 24 | 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 |
| 23 | Effects of low-molecular-weight organic acids on Cu(II) adsorption onto hydroxyapatite nanoparticles. <i>Journal of Hazardous Materials</i> , 2009 , 162, 1135-40 | 12.8 | 101 |
| 22 | Wien Effect Characterization of Interactions Between Ions and Charged Sites on Clay Surfaces of Variable-Charge Soils. <i>Pedosphere</i> , 2009 , 19, 545-553 | 5 | 3 |
| 21 | 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 |
| 20 | Negative Wien Effect Measurements for Exploring Polarization Processes of Cations Interacting with Negatively Charged Soil Particles. <i>Soil Science Society of America Journal</i> , 2009 , 73, 569-578 | 2.5 | 9 |
| 19 | Adsorption and cosorption of tetracycline and copper(II) on montmorillonite as affected by solution pH. <i>Environmental Science & Technology</i> , 2008 , 42, 3254-9 | 10.3 | 228 |
| 18 | Adsorption and cosorption of Cu(II) and tetracycline on two soils with different characteristics. <i>Geoderma</i> , 2008 , 146, 224-230 | 6.7 | 98 |
| 17 | Wien Effect Determination of Adsorption Energies between Heavy Metal Ions and Soil Particles. <i>Soil Science Society of America Journal</i> , 2008 , 72, 56-62 | 2.5 | 14 |
| 16 | Zinc adsorption on goethite as affected by glyphosate. <i>Journal of Hazardous Materials</i> , 2008 , 151, 179-84 | 12.8 | 24 |
| 15 | 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 |
| 14 | Binding and Adsorption Energies of Heavy Metal Ions with Hapli-Udic Argosol and Ferri-Udic Argosol Particles. <i>Pedosphere</i> , 2007 , 17, 688-696 | 5 | 2 |
| 13 | The growth and Cu and Zn uptake of pakchois (<i>Brassica chinesis</i> L.) in an acidic soil as affected by chicken or pig manure. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2007 , 42, 905-12 | 2.2 | 8 |
| 12 | Solid/solution partitioning and speciation of heavy metals in the contaminated agricultural soils around a copper mine in eastern Nanjing city, China. <i>Journal of Hazardous Materials</i> , 2006 , 131, 19-27 | 12.8 | 49 |
| 11 | Free cupric ions in contaminated agricultural soils around a copper mine in eastern Nanjing City, China. <i>Journal of Environmental Sciences</i> , 2006 , 18, 927-31 | 6.4 | 15 |
| 10 | Interactions of Heavy Metal Ions with Paddy Soils as Inferred from Wien Effect Measurements in Dilute Suspensions. <i>Pedosphere</i> , 2006 , 16, 718-725 | 5 | 5 |

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| 9 | Pilot-scale electrokinetic treatment of a Cu contaminated red soil. <i>Chemosphere</i> , 2006 , 63, 964-71 | 8.4 | 52 |
| 8 | Cosorption of zinc and glyphosate on two soils with different characteristics. <i>Journal of Hazardous Materials</i> , 2006 , 137, 76-82 | 12.8 | 37 |
| 7 | 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 |
| 6 | Effects of phosphate on the adsorption of glyphosate on three different types of Chinese soils. <i>Journal of Environmental Sciences</i> , 2005 , 17, 711-5 | 6.4 | 15 |
| 5 | Adsorption and cosorption of cadmium and glyphosate on two soils with different characteristics. <i>Chemosphere</i> , 2004 , 57, 1237-44 | 8.4 | 60 |
| 4 | Heavy metals pollution in poultry and livestock feeds and manures under intensive farming in Jiangsu Province, China. <i>Journal of Environmental Sciences</i> , 2004 , 16, 371-4 | 6.4 | 90 |
| 3 | Cadmium adsorption in montmorillonite as affected by glyphosate. <i>Journal of Environmental Sciences</i> , 2004 , 16, 881-4 | 6.4 | 7 |
| 2 | Effect of o-phenylenediamine on Cu adsorption and desorption in red soil and its uptake by paddy rice (<i>Oryza sativa</i>). <i>Chemosphere</i> , 2003 , 51, 77-83 | 8.4 | 13 |
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