

Bo Pan

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8942951/bo-pan-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179
papers

7,138
citations

44
h-index

80
g-index

188
ext. papers

8,555
ext. citations

8.6
avg, IF

6.38
L-index

| # | Paper | IF | Citations |
|-----|---|------|-----------|
| 179 | Adsorption mechanisms of organic chemicals on carbon nanotubes. <i>Environmental Science & Technology</i> , 2008 , 42, 9005-13 | 10.3 | 960 |
| 178 | Adsorption and hysteresis of bisphenol A and 17alpha-ethinyl estradiol on carbon nanomaterials. <i>Environmental Science & Technology</i> , 2008 , 42, 5480-5 | 10.3 | 368 |
| 177 | Detecting free radicals in biochars and determining their ability to inhibit the germination and growth of corn, wheat and rice seedlings. <i>Environmental Science & Technology</i> , 2014 , 48, 8581-7 | 10.3 | 223 |
| 176 | Contamination of rivers in Tianjin, China by polycyclic aromatic hydrocarbons. <i>Environmental Pollution</i> , 2005 , 134, 97-111 | 9.3 | 211 |
| 175 | Degradation of p-Nitrophenol on Biochars: Role of Persistent Free Radicals. <i>Environmental Science & Technology</i> , 2016 , 50, 694-700 | 10.3 | 205 |
| 174 | Enhanced adsorption of Cu(II) and Cd(II) by phosphoric acid-modified biochars. <i>Environmental Pollution</i> , 2017 , 229, 846-853 | 9.3 | 202 |
| 173 | Adsorption and desorption of oxytetracycline and carbamazepine by multiwalled carbon nanotubes. <i>Environmental Science & Technology</i> , 2009 , 43, 9167-73 | 10.3 | 201 |
| 172 | Contribution of different sulfamethoxazole species to their overall adsorption on functionalized carbon nanotubes. <i>Environmental Science & Technology</i> , 2010 , 44, 3806-11 | 10.3 | 189 |
| 171 | Norfloxacin sorption and its thermodynamics on surface-modified carbon nanotubes. <i>Environmental Science & Technology</i> , 2010 , 44, 978-84 | 10.3 | 180 |
| 170 | Colloidal behavior of aluminum oxide nanoparticles as affected by pH and natural organic matter. <i>Langmuir</i> , 2008 , 24, 12385-91 | 4 | 166 |
| 169 | Applications and implications of manufactured nanoparticles in soils: a review. <i>European Journal of Soil Science</i> , 2012 , 63, 437-456 | 3.4 | 139 |
| 168 | Adsorption of ofloxacin and norfloxacin on carbon nanotubes: hydrophobicity- and structure-controlled process. <i>Journal of Hazardous Materials</i> , 2012 , 233-234, 89-96 | 12.8 | 109 |
| 167 | Effect of biochar aging on surface characteristics and adsorption behavior of dialkyl phthalates. <i>Environmental Pollution</i> , 2015 , 206, 502-9 | 9.3 | 106 |
| 166 | Dissolved organic matter conformation and its interaction with pyrene as affected by water chemistry and concentration. <i>Environmental Science & Technology</i> , 2008 , 42, 1594-9 | 10.3 | 97 |
| 165 | Part V--Sorption of pharmaceuticals and personal care products. <i>Environmental Science and Pollution Research</i> , 2009 , 16, 106-16 | 5.1 | 96 |
| 164 | Nonideal binding between dissolved humic acids and polyaromatic hydrocarbons. <i>Environmental Science & Technology</i> , 2007 , 41, 6472-8 | 10.3 | 93 |
| 163 | Formation and Physicochemical Characteristics of Nano Biochar: Insight into Chemical and Colloidal Stability. <i>Environmental Science & Technology</i> , 2018 , 52, 10369-10379 | 10.3 | 91 |

| | | | |
|-----|--|------|----|
| 162 | Phosphoric acid pretreatment enhances the specific surface areas of biochars by generation of micropores. <i>Environmental Pollution</i> , 2018 , 240, 1-9 | 9.3 | 90 |
| 161 | Distribution and speciation of metals (Cu, Zn, Cd, and Pb) in agricultural and non-agricultural soils near a stream upriver from the Pearl River, China. <i>Environmental Pollution</i> , 2013 , 177, 64-70 | 9.3 | 86 |
| 160 | Adsorption of sulfamethoxazole on functionalized carbon nanotubes as affected by cations and anions. <i>Environmental Pollution</i> , 2011 , 159, 2616-21 | 9.3 | 81 |
| 159 | Degradation of p-Nitrophenol by Lignin and Cellulose Chars: HO-Mediated Reaction and Direct Reaction with the Char. <i>Environmental Science & Technology</i> , 2017 , 51, 8972-8980 | 10.3 | 80 |
| 158 | Partitioning and source diagnostics of polycyclic aromatic hydrocarbons in rivers in Tianjin, China. <i>Environmental Pollution</i> , 2007 , 146, 492-500 | 9.3 | 78 |
| 157 | Increased adsorption of sulfamethoxazole on suspended carbon nanotubes by dissolved humic acid. <i>Environmental Science & Technology</i> , 2013 , 47, 7722-8 | 10.3 | 77 |
| 156 | Engineered biochar: A sustainable solution for the removal of antibiotics from water. <i>Chemical Engineering Journal</i> , 2021 , 405, 126926 | 14.7 | 75 |
| 155 | Sustainable aquaculture requires environmental-friendly treatment strategies for fish diseases. <i>Reviews in Aquaculture</i> , 2020 , 12, 943-965 | 8.9 | 71 |
| 154 | The role of ash content on bisphenol A sorption to biochars derived from different agricultural wastes. <i>Chemosphere</i> , 2017 , 171, 66-73 | 8.4 | 70 |
| 153 | Sulfamethoxazole sorption by sediment fractions in comparison to pyrene and bisphenol A. <i>Environmental Pollution</i> , 2010 , 158, 2826-32 | 9.3 | 67 |
| 152 | Effect of physical forms of soil organic matter on phenanthrene sorption. <i>Chemosphere</i> , 2007 , 68, 1262-8 | 8.4 | 67 |
| 151 | Distribution of sorbed phenanthrene and pyrene in different humic fractions of soils and importance of humin. <i>Environmental Pollution</i> , 2006 , 143, 24-33 | 9.3 | 67 |
| 150 | The sorption of organic contaminants on biochars derived from sediments with high organic carbon content. <i>Chemosphere</i> , 2013 , 90, 782-8 | 8.4 | 66 |
| 149 | Part IV-sorption of hydrophobic organic contaminants. <i>Environmental Science and Pollution Research</i> , 2008 , 15, 554-64 | 5.1 | 66 |
| 148 | Adsorption of ofloxacin on carbon nanotubes: solubility, pH and cosolvent effects. <i>Journal of Hazardous Materials</i> , 2012 , 211-212, 342-8 | 12.8 | 60 |
| 147 | Coadsorption of Cu and sulfamethoxazole on hydroxylized and graphitized carbon nanotubes. <i>Science of the Total Environment</i> , 2012 , 427-428, 247-52 | 10.2 | 58 |
| 146 | Coadsorption, desorption hysteresis and sorption thermodynamics of sulfamethoxazole and carbamazepine on graphene oxide and graphite. <i>Carbon</i> , 2013 , 65, 243-251 | 10.4 | 57 |
| 145 | Characterization and phenanthrene sorption of tea leaf powders. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 5718-24 | 5.7 | 57 |

| | | | |
|-----|--|------|----|
| 144 | Fast and slow adsorption of carbamazepine on biochar as affected by carbon structure and mineral composition. <i>Science of the Total Environment</i> , 2017 , 579, 598-605 | 10.2 | 52 |
| 143 | Negative Impacts of Biochars on Urease Activity: High pH, Heavy Metals, Polycyclic Aromatic Hydrocarbons, or Free Radicals?. <i>Environmental Science & Technology</i> , 2018 , 52, 12740-12747 | 10.3 | 52 |
| 142 | Environmentally persistent free radicals: Occurrence, formation mechanisms and implications. <i>Environmental Pollution</i> , 2019 , 248, 320-331 | 9.3 | 51 |
| 141 | The sorption of heavy metals on thermally treated sediments with high organic matter content. <i>Bioresource Technology</i> , 2014 , 160, 123-8 | 11 | 50 |
| 140 | Photo-aging of polyvinyl chloride microplastic in the presence of natural organic acids. <i>Water Research</i> , 2020 , 183, 116082 | 12.5 | 49 |
| 139 | The opposite impacts of Cu and Mg cations on dissolved organic matter-ofloxacin interaction. <i>Environmental Pollution</i> , 2012 , 161, 76-82 | 9.3 | 49 |
| 138 | Formation of environmentally persistent free radicals as the mechanism for reduced catechol degradation on hematite-silica surface under UV irradiation. <i>Environmental Pollution</i> , 2014 , 188, 153-8 | 9.3 | 45 |
| 137 | Cation- π Interaction: A Key Force for Sorption of Fluoroquinolone Antibiotics on Pyrogenic Carbonaceous Materials. <i>Environmental Science & Technology</i> , 2017 , 51, 13659-13667 | 10.3 | 44 |
| 136 | Investigating interactions of phenanthrene with dissolved organic matter: limitations of Stern-Volmer plot. <i>Chemosphere</i> , 2007 , 69, 1555-62 | 8.4 | 44 |
| 135 | The Overlooked Occurrence of Environmentally Persistent Free Radicals in an Area with Low-Rank Coal Burning, Xuanwei, China. <i>Environmental Science & Technology</i> , 2018 , 52, 1054-1061 | 10.3 | 43 |
| 134 | Physicochemical and sorption properties of thermally-treated sediments with high organic matter content. <i>Bioresource Technology</i> , 2012 , 103, 367-73 | 11 | 41 |
| 133 | Overlooked Risks of Biochars: Persistent Free Radicals trigger Neurotoxicity in <i>Caenorhabditis elegans</i> . <i>Environmental Science & Technology</i> , 2018 , 52, 7981-7987 | 10.3 | 40 |
| 132 | Physi-chemical and sorption properties of biochars prepared from peanut shell using thermal pyrolysis and microwave irradiation. <i>Environmental Pollution</i> , 2017 , 227, 372-379 | 9.3 | 39 |
| 131 | Competitive and complementary adsorption of bisphenol A and 17 α -ethinyl estradiol on carbon nanomaterials. <i>Journal of Agricultural and Food Chemistry</i> , 2010 , 58, 8338-43 | 5.7 | 39 |
| 130 | Cosorption of organic chemicals with different properties: their shared and different sorption sites. <i>Environmental Pollution</i> , 2012 , 160, 178-84 | 9.3 | 38 |
| 129 | Adsorption kinetics of 17 β -ethinyl estradiol and bisphenol A on carbon nanomaterials. I. Several concerns regarding pseudo-first order and pseudo-second order models. <i>Journal of Soils and Sediments</i> , 2010 , 10, 838-844 | 3.4 | 38 |
| 128 | Sorption kinetics of ofloxacin in soils and mineral particles. <i>Environmental Pollution</i> , 2012 , 171, 185-90 | 9.3 | 37 |
| 127 | Multi-walled carbon nanotube dispersion by the adsorbed humic acids with different chemical structures. <i>Environmental Pollution</i> , 2015 , 196, 292-99 | 9.3 | 36 |

| | | | |
|-----|---|------|----|
| 126 | Quantitative identification of dynamic and static quenching of ofloxacin by dissolved organic matter using temperature-dependent kinetic approach. <i>Environmental Pollution</i> , 2012 , 161, 192-8 | 9.3 | 35 |
| 125 | An electron-scale comparative study on the adsorption of six divalent heavy metal cations on MnFe ₂ O ₄ @CAC hybrid: Experimental and DFT investigations. <i>Chemical Engineering Journal</i> , 2020 , 381, 122656 | 14.7 | 35 |
| 124 | Sorption of Cu(2+) on humic acids sequentially extracted from a sediment. <i>Chemosphere</i> , 2015 , 138, 657-63 | 6.3 | 34 |
| 123 | Effects of adding biochar on the properties and nitrogen bioavailability of an acidic soil. <i>European Journal of Soil Science</i> , 2017 , 68, 559-572 | 3.4 | 34 |
| 122 | Limited role of biochars in nitrogen fixation through nitrate adsorption. <i>Science of the Total Environment</i> , 2017 , 592, 758-765 | 10.2 | 33 |
| 121 | Using sewage sludge with high ash content for biochar production and Cu(II) sorption. <i>Science of the Total Environment</i> , 2020 , 713, 136663 | 10.2 | 31 |
| 120 | Enhanced Photoreduction of Nitro-aromatic Compounds by Hydrated Electrons Derived from Indole on Natural Montmorillonite. <i>Environmental Science & Technology</i> , 2015 , 49, 7784-92 | 10.3 | 30 |
| 119 | Manufactured Nanoparticles and their Sorption of Organic Chemicals. <i>Advances in Agronomy</i> , 2010 , 137-181 | 18.1 | 30 |
| 118 | The relative importance of different carbon structures in biochars to carbamazepine and bisphenol A sorption. <i>Journal of Hazardous Materials</i> , 2019 , 373, 106-114 | 12.8 | 28 |
| 117 | Coupling adsorption and degradation in p-nitrophenol removal by biochars. <i>Journal of Cleaner Production</i> , 2020 , 271, 122550 | 10.3 | 26 |
| 116 | Impact of concentration and species of sulfamethoxazole and ofloxacin on their adsorption kinetics on sediments. <i>Chemosphere</i> , 2017 , 175, 123-129 | 8.4 | 25 |
| 115 | Sorption of phenanthrene by dissolved organic matter and its complex with aluminum oxide nanoparticles. <i>Environmental Pollution</i> , 2008 , 156, 1021-9 | 9.3 | 25 |
| 114 | A Comparative Study on the Formation of Environmentally Persistent Free Radicals (EPFRs) on Hematite and Goethite: Contribution of Various Catechol Degradation Byproducts. <i>Environmental Science & Technology</i> , 2019 , 53, 13713-13719 | 10.3 | 24 |
| 113 | Co-sorption of ofloxacin and Cu(II) in soils before and after organic matter removal. <i>Science of the Total Environment</i> , 2014 , 481, 209-16 | 10.2 | 24 |
| 112 | The non-target organism <i>Caenorhabditis elegans</i> withstands the impact of sulfamethoxazole. <i>Chemosphere</i> , 2013 , 93, 2373-80 | 8.4 | 24 |
| 111 | Identifying structural characteristics of humic acid to static and dynamic fluorescence quenching of phenanthrene, 9-phenanthrol, and naphthalene. <i>Water Research</i> , 2017 , 122, 337-344 | 12.5 | 23 |
| 110 | Contribution of coated humic acids calculated through their surface coverage on nano iron oxides for ofloxacin and norfloxacin sorption. <i>Environmental Pollution</i> , 2015 , 204, 191-8 | 9.3 | 23 |
| 109 | Ofloxacin sorption in soils after long-term tillage: the contribution of organic and mineral compositions. <i>Science of the Total Environment</i> , 2014 , 497-498, 665-670 | 10.2 | 23 |

| | | | |
|-----|---|------|----|
| 108 | Adsorption of sulfamethoxazole on different types of carbon nanotubes in comparison to other natural adsorbents. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2010 , 45, 1625-34 | 2.3 | 23 |
| 107 | Formation of persistent free radicals in biochar derived from rice straw based on a detailed analysis of pyrolysis kinetics. <i>Science of the Total Environment</i> , 2020 , 715, 136575 | 10.2 | 23 |
| 106 | Quantifying the dynamic fluorescence quenching of phenanthrene and ofloxacin by dissolved humic acids. <i>Environmental Pollution</i> , 2015 , 196, 379-85 | 9.3 | 22 |
| 105 | Adsorption kinetics of 17 β -ethinyl estradiol and bisphenol A on carbon nanomaterials. II. Concentration-dependence. <i>Journal of Soils and Sediments</i> , 2010 , 10, 845-854 | 3.4 | 22 |
| 104 | Two-compartment sorption of phenanthrene on eight soils with various organic carbon contents. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2006 , 41, 1333-47 | 2.2 | 22 |
| 103 | Carbon dioxide as a carrier gas and mixed feedstock pyrolysis decreased toxicity of sewage sludge biochar. <i>Science of the Total Environment</i> , 2020 , 723, 137796 | 10.2 | 21 |
| 102 | Structural benefits of bisphenol S and its analogs resulting in their high sorption on carbon nanotubes and graphite. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 8976-84 | 5.1 | 21 |
| 101 | Environmental behavior of engineered biochars and their aging processes in soil. <i>Biochar</i> , 2019 , 1, 339-350 | 10.2 | 21 |
| 100 | Process regulation of microwave intensified synthesis of Y-type zeolite. <i>Microporous and Mesoporous Materials</i> , 2019 , 284, 476-485 | 5.3 | 20 |
| 99 | Wrinkle-induced high sorption makes few-layered black phosphorus a superior adsorbent for ionic organic compounds. <i>Environmental Science: Nano</i> , 2018 , 5, 1454-1465 | 7.1 | 20 |
| 98 | Role of Ash Content in Biochar for Copper Immobilization. <i>Environmental Engineering Science</i> , 2016 , 33, 962-969 | 2 | 20 |
| 97 | Benzene polycarboxylic acid - A useful marker for condensed organic matter, but not for only pyrogenic black carbon. <i>Science of the Total Environment</i> , 2018 , 626, 660-667 | 10.2 | 19 |
| 96 | Transfer of polycyclic aromatic hydrocarbons from mother to fetus in relation to pregnancy complications. <i>Science of the Total Environment</i> , 2018 , 636, 61-68 | 10.2 | 18 |
| 95 | Sorption and solubility of ofloxacin and norfloxacin in water-methanol cosolvent. <i>Chemosphere</i> , 2014 , 103, 322-8 | 8.4 | 18 |
| 94 | Mediation of rhodamine B photodegradation by biochar. <i>Chemosphere</i> , 2020 , 256, 127082 | 8.4 | 18 |
| 93 | Adsorption mechanism of different organic chemicals on fluorinated carbon nanotubes. <i>Chemosphere</i> , 2016 , 154, 258-265 | 8.4 | 18 |
| 92 | Tannic acid promotes ion release of copper oxide nanoparticles: Impacts from solution pH change and complexation reactions. <i>Water Research</i> , 2017 , 127, 59-67 | 12.5 | 17 |
| 91 | New insights on the understanding of the high adsorption of bisphenol compounds on reduced graphene oxide at high pH values via charge assisted hydrogen bond. <i>Journal of Hazardous Materials</i> , 2019 , 371, 513-520 | 12.8 | 17 |

| | | | |
|----|--|------|----|
| 90 | Urban air pollution and health risks of parent and nitrated polycyclic aromatic hydrocarbons in two megacities, southwest China. <i>Atmospheric Environment</i> , 2017 , 166, 441-453 | 5.3 | 17 |
| 89 | Molecular markers of benzene polycarboxylic acids in describing biochar physiochemical properties and sorption characteristics. <i>Environmental Pollution</i> , 2018 , 237, 541-548 | 9.3 | 17 |
| 88 | P-nitrophenol degradation by pine-wood derived biochar: The role of redox-active moieties and pore structures. <i>Science of the Total Environment</i> , 2020 , 741, 140431 | 10.2 | 16 |
| 87 | Contribution of hydrophobic effect to the sorption of phenanthrene, 9-phenanthrol and 9, 10-phenanthrenequinone on carbon nanotubes. <i>Chemosphere</i> , 2017 , 168, 739-747 | 8.4 | 16 |
| 86 | Temperature dependence of ofloxacin fluorescence quenching and complexation by Cu(II). <i>Environmental Pollution</i> , 2012 , 171, 168-73 | 9.3 | 16 |
| 85 | Adsorption of bisphenol A on dispersed carbon nanotubes: Role of different dispersing agents. <i>Science of the Total Environment</i> , 2019 , 655, 807-813 | 10.2 | 16 |
| 84 | Can the properties of engineered nanoparticles be indicative of their functions and effects in plants?. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 205, 111128 | 7 | 15 |
| 83 | Key roles of electron cloud density and configuration in the adsorption of sulfonamide antibiotics on carbonaceous materials: Molecular dynamics and quantum chemical investigations. <i>Applied Surface Science</i> , 2021 , 536, 147757 | 6.7 | 15 |
| 82 | Reactive mineral removal relative to soil organic matter heterogeneity and implications for organic contaminant sorption. <i>Environmental Pollution</i> , 2017 , 227, 49-56 | 9.3 | 14 |
| 81 | Fluorescence quenching of fulvic acids by fullerene in water. <i>Environmental Pollution</i> , 2013 , 172, 100-7 | 9.3 | 14 |
| 80 | Spatially explicit analysis identifies significant potential for bioenergy with carbon capture and storage in China. <i>Nature Communications</i> , 2021 , 12, 3159 | 17.4 | 14 |
| 79 | An integrated study on the pyrolysis mechanism of peanut shell based on the kinetic analysis and solid/gas characterization. <i>Bioresource Technology</i> , 2021 , 329, 124860 | 11 | 14 |
| 78 | Catechol degradation on hematite/silica-gas interface as affected by gas composition and the formation of environmentally persistent free radicals. <i>Scientific Reports</i> , 2016 , 6, 24494 | 4.9 | 14 |
| 77 | pH-dependent K provides new insights in understanding the adsorption mechanism of ionizable organic chemicals on carbonaceous materials. <i>Science of the Total Environment</i> , 2018 , 618, 269-275 | 10.2 | 14 |
| 76 | Homo-Conjugation of Low Molecular Weight Organic Acids Competes with Their Complexation with Cu(II). <i>Environmental Science & Technology</i> , 2018 , 52, 5173-5181 | 10.3 | 12 |
| 75 | Effects of Low-Molecular-Weight Organic Acids on Soil Micropores and Implication for Organic Contaminant Availability. <i>Communications in Soil Science and Plant Analysis</i> , 2014 , 45, 1120-1132 | 1.5 | 12 |
| 74 | Sorption comparison between phenanthrene and its degradation intermediates, 9,10-phenanthrenequinone and 9-phenanthrol in soils/sediments. <i>Chemosphere</i> , 2012 , 86, 183-9 | 8.4 | 12 |
| 73 | Nonlinear binding of phenanthrene to the extracted fulvic acid fraction in soil in comparison with other organic matter fractions and to the whole soil sample. <i>Environmental Pollution</i> , 2010 , 158, 566-75 | 9.3 | 12 |

| | | | |
|----|--|------|----|
| 72 | Kinetics study of microwave enhanced reactions between diasporic bauxite and alkali solution. <i>Journal of Alloys and Compounds</i> , 2018 , 749, 652-663 | 5.7 | 11 |
| 71 | Formation of organo-mineral complexes as affected by particle size, pH, and dry - wet cycles. <i>Soil Research</i> , 2010 , 48, 713 | 1.8 | 11 |
| 70 | Components and Persistent Free Radicals in the Volatiles during Pyrolysis of Lignocellulose Biomass. <i>Environmental Science & Technology</i> , 2020 , 54, 13274-13281 | 10.3 | 11 |
| 69 | The contrasting role of minerals in biochars in bisphenol A and sulfamethoxazole sorption. <i>Chemosphere</i> , 2021 , 264, 128490 | 8.4 | 11 |
| 68 | New insights provided by solvent relaxation NMR-measured surface area in liquids to explain phenolics sorption on silica nanoparticles. <i>Environmental Science: Nano</i> , 2017 , 4, 577-584 | 7.1 | 9 |
| 67 | Sorption affinities of sulfamethoxazole and carbamazepine to two sorbents under co-sorption systems. <i>Environmental Pollution</i> , 2014 , 194, 203-209 | 9.3 | 9 |
| 66 | Co-contaminant effects on ofloxacin adsorption onto activated carbon, graphite, and humic acid. <i>Environmental Science and Pollution Research</i> , 2017 , 24, 23834-23842 | 5.1 | 9 |
| 65 | Phenanthrene sorption/desorption sequences provide new insight to explain high sorption coefficients in field studies. <i>Chemosphere</i> , 2011 , 84, 1578-83 | 8.4 | 9 |
| 64 | Sample purification for analysis of organochlorine pesticides in sediment and fish muscle. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2004 , 39, 353-65 | 2.2 | 9 |
| 63 | The promoted dissolution of copper oxide nanoparticles by dissolved humic acid: Copper complexation over particle dispersion. <i>Chemosphere</i> , 2020 , 245, 125612 | 8.4 | 9 |
| 62 | Organic matter source and degradation as revealed by molecular biomarkers in agricultural soils of Yuanyang terrace. <i>Scientific Reports</i> , 2015 , 5, 11074 | 4.9 | 8 |
| 61 | The mechanisms and environmental implications of engineered nanoparticles dispersion. <i>Science of the Total Environment</i> , 2020 , 722, 137781 | 10.2 | 8 |
| 60 | Reaction of Substituted Phenols with Lignin Char: Dual Oxidative and Reductive Pathways Depending on Substituents and Conditions. <i>Environmental Science & Technology</i> , 2020 , 54, 15811-15820 | 10.3 | 8 |
| 59 | Decisive role of adsorption affinity in antibiotic adsorption on a positively charged MnFeO@CAC hybrid. <i>Science of the Total Environment</i> , 2020 , 745, 141019 | 10.2 | 8 |
| 58 | Potential interference on the lipid metabolisms by serum copper in a women population: A repeated measurement study. <i>Science of the Total Environment</i> , 2021 , 760, 143375 | 10.2 | 8 |
| 57 | Associations between endocrine-disrupting heavy metals in maternal hair and gestational diabetes mellitus: A nested case-control study in China. <i>Environment International</i> , 2021 , 157, 106770 | 12.9 | 8 |
| 56 | Phenol-rich fulvic acid as a water additive enhances growth, reduces stress, and stimulates the immune system of fish in aquaculture. <i>Scientific Reports</i> , 2021 , 11, 174 | 4.9 | 8 |
| 55 | Colloidal aggregation and structural assembly of aspect ratio variant goethite ($\gamma\text{-FeOOH}$) with nC fullerene in environmental media. <i>Environmental Pollution</i> , 2016 , 219, 1049-1059 | 9.3 | 7 |

| | | | |
|----|---|------|---|
| 54 | The concentration and chemical speciation of arsenic in the Nanpan River, the upstream of the Pearl River, China. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 6451-8 | 5.1 | 7 |
| 53 | External interference from ambient air pollution on using hair metal(loid)s for biomarker-based exposure assessment. <i>Environment International</i> , 2020 , 137, 105584 | 12.9 | 6 |
| 52 | Organo-mineral complexes protect condensed organic matter as revealed by benzene-polycarboxylic acids. <i>Environmental Pollution</i> , 2020 , 260, 113977 | 9.3 | 6 |
| 51 | Organic contaminants and carbon nanoparticles: sorption mechanisms and impact parameters. <i>Journal of Zhejiang University: Science A</i> , 2014 , 15, 606-617 | 2.1 | 6 |
| 50 | Application of low dosage of copper oxide and zinc oxide nanoparticles boosts bacterial and fungal communities in soil. <i>Science of the Total Environment</i> , 2021 , 757, 143807 | 10.2 | 6 |
| 49 | Acid pretreatment increased lipid biomarker extractability: a case study to reveal soil organic matter input from rubber trees after long-term cultivation. <i>European Journal of Soil Science</i> , 2018 , 69, 315-324 | 3.4 | 6 |
| 48 | Combining bulk characterization and benzene polycarboxylic acid molecular markers to describe biochar properties. <i>Chemosphere</i> , 2019 , 227, 381-388 | 8.4 | 5 |
| 47 | Uptake of copper complexed to EDTA, diaminoethane, oxalic acid, or tartaric acid by neon tetras (<i>Paracheirodon innesi</i>). <i>Ecotoxicology and Environmental Safety</i> , 2002 , 53, 317-22 | 7 | 5 |
| 46 | Persulfate adsorption and activation by carbon structure defects provided new insights into ofloxacin degradation by biochar. <i>Science of the Total Environment</i> , 2022 , 806, 150968 | 10.2 | 5 |
| 45 | Suspended state heteroaggregation kinetics of kaolinite and fullerene (nC) in the presence of tannic acid: Effect of π-π interactions. <i>Science of the Total Environment</i> , 2020 , 713, 136559 | 10.2 | 5 |
| 44 | Anaerobic Dehalogenation by Reduced Aqueous Biochars. <i>Environmental Science & Technology</i> , 2020 , 54, 15142-15150 | 10.3 | 5 |
| 43 | Reduction of silver ions to silver nanoparticles by biomass and biochar: Mechanisms and critical factors. <i>Science of the Total Environment</i> , 2021 , 779, 146326 | 10.2 | 5 |
| 42 | Emerging investigator series: dual role of organic matter in the anaerobic degradation of triclosan. <i>Environmental Sciences: Processes and Impacts</i> , 2017 , 19, 499-506 | 4.3 | 4 |
| 41 | Organic matter protection by kaolinite over bio-decomposition as suggested by lignin and solvent-extractable lipid molecular markers. <i>Science of the Total Environment</i> , 2019 , 647, 570-576 | 10.2 | 4 |
| 40 | Spontaneous changes in dissolved organic matter affect the bio-removal of steroid estrogens. <i>Science of the Total Environment</i> , 2019 , 689, 616-624 | 10.2 | 4 |
| 39 | Investigating river pollution flowing into Dianchi Lake using a combination of GC-MS analysis and toxicological tests. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2014 , 92, 67-70 | 2.7 | 4 |
| 38 | Emission factors of environmentally persistent free radicals in PM from rural residential solid fuels combusted in a traditional stove. <i>Science of the Total Environment</i> , 2021 , 773, 145151 | 10.2 | 4 |
| 37 | Protection of extractable lipid and lignin: Differences in undisturbed and cultivated soils detected by molecular markers. <i>Chemosphere</i> , 2018 , 213, 314-322 | 8.4 | 4 |

| | | | |
|----|--|------|---|
| 36 | The conductivity and redox properties of pyrolyzed carbon mediate methanogenesis in paddy soils with ethanol as substrate. <i>Science of the Total Environment</i> , 2021 , 795, 148906 | 10.2 | 4 |
| 35 | Toxicity models of metal mixtures established on the basis of Additivity and Interactions. <i>Frontiers of Environmental Science and Engineering</i> , 2017 , 11, 1 | 5.8 | 3 |
| 34 | Isolation and Sorption Behavior of Humic Acid from Zhongdian Peat of Yunnan Province, China. <i>Pedosphere</i> , 2009 , 19, 606-614 | 5 | 3 |
| 33 | Adsorption and Release of Phosphates in the Case of Dianchi Sediments. <i>Journal of Chemical Engineering of Japan</i> , 2010 , 43, 913-920 | 0.8 | 3 |
| 32 | Estimation of conditional stability constant for copper binding to fish gill surface with consideration of chemistry of the fish gill microenvironment. <i>Comparative Biochemistry and Physiology Part - C: Toxicology and Pharmacology</i> , 2002 , 133, 219-26 | 3.2 | 3 |
| 31 | Mass Absorption Efficiency of Black Carbon from Residential Solid Fuel Combustion and Its Association with Carbonaceous Fractions. <i>Environmental Science & Technology</i> , 2021 , 55, 10662-10671 | 10.3 | 3 |
| 30 | Tannic acid- and cation-mediated interfacial self-assembly and epitaxial growth of fullerene (nC) and kaolinite binary graphitic aggregates. <i>Journal of Colloid and Interface Science</i> , 2019 , 556, 717-725 | 9.3 | 2 |
| 29 | Heating methods generate different amounts of persistent free radicals from unsaturated fatty acids. <i>Science of the Total Environment</i> , 2019 , 672, 16-22 | 10.2 | 2 |
| 28 | Associations between hair levels of trace elements and the risk of preterm birth among pregnant Wwomen: A prospective nested case-control study in Beijing Birth Cohort (BBC), China. <i>Environment International</i> , 2021 , 158, 106965 | 12.9 | 2 |
| 27 | Sorption Comparison between Pharmaceuticals and Hydrophobic Organic Chemicals in Soils and Sediments 2013 , 323-357 | | 2 |
| 26 | New insights into the different adsorption kinetics of gallic acid and tannic acid on minerals via H NMR relaxation of bound water. <i>Science of the Total Environment</i> , 2021 , 767, 144447 | 10.2 | 2 |
| 25 | CuO and TiO particles generated more stable and stronger EPFRs in dark than under UV-irradiation. <i>Science of the Total Environment</i> , 2021 , 775, 145555 | 10.2 | 2 |
| 24 | Sorption of sulfamethoxazole on biochars of varying mineral content. <i>Environmental Sciences: Processes and Impacts</i> , 2020 , 22, 1287-1294 | 4.3 | 2 |
| 23 | A microbial electrochemical hybrid system for simultaneous sludge treatment, acid production, and desalination. <i>Science of the Total Environment</i> , 2021 , 760, 144153 | 10.2 | 2 |
| 22 | Fertilizer application in rural cropland drives cadmium enrichment in bats dwelling in an urban area. <i>Environmental Pollution</i> , 2018 , 242, 970-975 | 9.3 | 1 |
| 21 | Pharmaceuticals and Personal Care Products in Soils and Sediments 2011 , 185-213 | | 1 |
| 20 | Response to Comment on Adsorption and Desorption of Oxytetracycline and Carbamazepine by Multiwalled Carbon Nanotubes. <i>Environmental Science & Technology</i> , 2010 , 44, 4829-4829 | 10.3 | 1 |
| 19 | Functional Biochar and Its Balanced Design. <i>ACS Environmental Au</i> , | | 1 |

| | | | |
|----|--|------|---|
| 18 | Role of NOM-hematite nanoparticle complexes and organic and inorganic cations in the coherence of silica and clay particles: evaluation based on nanoscale forces and molecular self-assembly. <i>Environmental Science: Nano</i> , 2021 , 8, 822-836 | 7.1 | 1 |
| 17 | Dual roles of biochar redox property in mediating 2,4-dichlorophenol degradation in the presence of Fe and persulfate. <i>Chemosphere</i> , 2021 , 279, 130456 | 8.4 | 1 |
| 16 | Environmental persistent free radicals in diesel engine exhaust particles at different altitudes and engine speeds. <i>Science of the Total Environment</i> , 2021 , 796, 148963 | 10.2 | 1 |
| 15 | Inherent Minerals Facilitated Bisphenol A Sorption by Biochar: A Key Force by Complexation. <i>ACS ES&T Water</i> , 2022 , 2, 184-194 | | 0 |
| 14 | Heterogeneous compositions of oxygen-containing functional groups on biochars and their different roles in rhodamine B degradation.. <i>Chemosphere</i> , 2022 , 292, 133518 | 8.4 | 0 |
| 13 | Molecular clusters played an important role in the adsorption of polycyclic aromatic hydrocarbons (PAHs) on carbonaceous materials.. <i>Chemosphere</i> , 2022 , 302, 134772 | 8.4 | 0 |
| 12 | Direct toxicity of environmentally persistent free radicals to nematode <i>Caenorhabditis elegans</i> after excluding the concomitant chemicals. <i>Science of the Total Environment</i> , 2022 , 156226 | 10.2 | 0 |
| 11 | Nonideal Interactions Between Organic Contaminants and Dissolved Organic Matter. <i>SSSA Special Publication Series</i> , 2015 , 219-235 | | 0 |
| 10 | Chinese virtual issue. <i>European Journal of Soil Science</i> , 2012 , 63, 773-775 | 3.4 | |
| 9 | Nanoparticles in soil 2022 , | | |
| 8 | The Sorption of Sulfamethoxazole on Biochars Derived from a Sediment with High Organic Matter Content 2013 , 979-981 | | |
| 7 | Dissolved Organic Matter-Ofloxacin Interaction as Affected by Metal Ions 2013 , 585-589 | | |
| 6 | Adsorption of SMX on CNTs as Affected by Environmental Conditions: Coexisted Organic Chemicals and DOM 2013 , 779-782 | | |
| 5 | Adsorption of Sulfamethoxazole on DOM-Suspended Carbon Nanotubes 2013 , 741-744 | | |
| 4 | Adsorption of Organic Compounds by Engineered Nanoparticles 2016 , 160-181 | | |
| 3 | The exposed hematite surface and the generation of environmentally persistent free radicals during catechol degradation. <i>Environmental Sciences: Processes and Impacts</i> , 2021 , 23, 109-116 | 4.3 | |
| 2 | The molecular markers provide complementary information for biochar characterization before and after HNO/HSO oxidation.. <i>Chemosphere</i> , 2022 , 134422 | 8.4 | |
| 1 | The role of mineral compositions in biochar stability and reactivity 2022 , 165-180 | | |

