

Weining Wan

List of Publications by Year in descending order

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56
papers

3,060
citations

236925

25
h-index

161849

54
g-index

57
all docs

57
docs citations

57
times ranked

3593
citing authors

#	ARTICLE	IF	CITATIONS
1	Diastereomer- and enantiomer-selective accumulation and depuration of 1,2-dibromo-4-(1,2-dibromoethyl) cyclohexanes (DBE-DBCHs) and 1,2,5,6-tetrabromocyclooctanes (TBCOs) in earthworms (<i>Eisenia fetida</i>). <i>Science of the Total Environment</i> , 2022, 826, 154145.	8.0	2
2	Interfacial Molecular Fractionation on Ferrihydrite Reduces the Photochemical Reactivity of Dissolved Organic Matter. <i>Environmental Science & Technology</i> , 2021, 55, 1769-1778.	10.0	26
3	Interfacial Molecular Fractionation Induces Preferential Protection of Biorefractory Organic Matter by Ferrihydrite. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1094-1101.	2.7	4
4	Sustained production of superoxide radicals by manganese oxides under ambient dark conditions. <i>Water Research</i> , 2021, 196, 117034.	11.3	43
5	Hematite facet-mediated microbial dissimilatory iron reduction and production of reactive oxygen species during aerobic oxidation. <i>Water Research</i> , 2021, 195, 116988.	11.3	16
6	Comparison of 6:2 chlorinated polyfluorinated ether sulfonate (6:2 Cl-PFESA) and perfluorooctane sulfonate (PFOS) accumulation and toxicity in mung bean. <i>Environmental Pollution</i> , 2021, 287, 117332.	7.5	10
7	Pathway for the Production of Hydroxyl Radicals during the Microbially Mediated Redox Transformation of Iron (Oxyhydr)oxides. <i>Environmental Science & Technology</i> , 2020, 54, 902-910.	10.0	69
8	Biotransformation of 6:2 fluorotelomer alcohol by the whole soybean (<i>Glycine max</i> L. Merrill) seedlings. <i>Environmental Pollution</i> , 2020, 257, 113513.	7.5	12
9	Cytotoxicity of hexabromocyclododecane, 1,2-dibromo-4-(1,2-dibromoethyl) cyclohexane and 1,2,5,6-tetrabromocyclooctane in human SH-SY5Y neuroblastoma cells. <i>Science of the Total Environment</i> , 2020, 739, 139650.	8.0	7
10	Reducing Reagents Induce Molecular Artifacts in the Extraction of Soil Organic Matter. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1913-1919.	2.7	6
11	Molecular characterization of root exudates using Fourier transform ion cyclotron resonance mass spectrometry. <i>Journal of Environmental Sciences</i> , 2020, 98, 22-30.	6.1	22
12	An international laboratory comparison of dissolved organic matter composition by high resolution mass spectrometry: Are we getting the same answer?. <i>Limnology and Oceanography: Methods</i> , 2020, 18, 235-258.	2.0	109
13	A Novel Strategy to Evaluate the Aromaticity Degree of Natural Organic Matter Based on Oxidation-Induced Chemiluminescence. <i>Environmental Science & Technology</i> , 2020, 54, 4171-4179.	10.0	11
14	Uptake, translocation, and transformation of metal-based nanoparticles in plants: recent advances and methodological challenges. <i>Environmental Science: Nano</i> , 2019, 6, 41-59.	4.3	330
15	Molecular-scale investigation of soil fulvic acid and water-extractable organic matter by high-resolution mass spectrometry and ¹ H NMR spectroscopy. <i>Environmental Chemistry</i> , 2019, 16, 92.	1.5	23
16	Discovery of CRR1-targeted copper deficiency response in <i>Chlamydomonas reinhardtii</i> exposed to silver nanoparticles. <i>Nanotoxicology</i> , 2019, 13, 447-454.	3.0	2
17	Synergetic mediation of reduced graphene oxide and Cu(II) on the oxidation of 2-naphthol in water. <i>Environmental Pollution</i> , 2019, 252, 689-696.	7.5	4
18	Diastereoisomer-specific neurotoxicity of hexabromocyclododecane in human SH-SY5Y neuroblastoma cells. <i>Science of the Total Environment</i> , 2019, 686, 893-902.	8.0	15

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19	Iron plays an important role in molecular fractionation of dissolved organic matter at soil-water interface. <i>Science of the Total Environment</i> , 2019, 670, 300-307.	8.0	30
20	Comparing electron donating/accepting capacities (EDC/EAC) between crop residue-derived dissolved black carbon and standard humic substances. <i>Science of the Total Environment</i> , 2019, 673, 29-35.	8.0	42
21	Roles of maize cytochrome P450 (CYP) enzymes in stereo-selective metabolism of hexabromocyclododecanes (HBCDs) as evidenced by in vitro degradation, biological response and in silico studies. <i>Science of the Total Environment</i> , 2019, 656, 364-372.	8.0	15
22	Relationship between Molecular Components and Reducing Capacities of Humic Substances. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 330-339.	2.7	55
23	Determination of perfluoroalkyl acid isomers in biosolids, biosolids-amended soils and plants using ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2018, 1072, 25-33.	2.3	34
24	Facet-Mediated Adsorption and Molecular Fractionation of Humic Substances on Hematite Surfaces. <i>Environmental Science & Technology</i> , 2018, 52, 11660-11669.	10.0	27
25	Behavior of N-ethyl perfluorooctane sulfonamido acetic acid (N-EtFOSAA) in biosolids amended soil-plant microcosms of seven plant species: Accumulation and degradation. <i>Science of the Total Environment</i> , 2018, 642, 366-373.	8.0	31
26	Insights into the attenuated sorption of organic compounds on black carbon aged in soil. <i>Environmental Pollution</i> , 2017, 231, 1469-1476.	7.5	25
27	Molecular transformation of natural and anthropogenic dissolved organic matter under photo-irradiation in the presence of nano TiO ₂ . <i>Water Research</i> , 2017, 125, 201-208.	11.3	37
28	Hexabromocyclododecanes in soils and plants from a plastic waste treatment area in North China: occurrence, diastereomer- and enantiomer-specific profiles, and metabolization. <i>Environmental Science and Pollution Research</i> , 2017, 24, 21625-21635.	5.3	19
29	Uptake, Translocation, and Biotransformation of Organophosphorus Esters in Wheat (<i>Triticum</i>) Tj ETQq1 1 0.784314 rgBT /Overlock	10.0	100
30	Selected dark sides of biomass-derived biochars as environmental amendments. <i>Journal of Environmental Sciences</i> , 2017, 54, 13-20.	6.1	17
31	The roles of protein and lipid in the accumulation and distribution of perfluorooctane sulfonate (PFOS) and perfluorooctanoate (PFOA) in plants grown in biosolids-amended soils. <i>Environmental Pollution</i> , 2016, 216, 682-688.	7.5	131
32	Uptake, Translocation, and Metabolism of 8:2 Fluorotelomer Alcohol in Soybean (<i>Glycine max</i> L.) Tj ETQq0 0,0 rgBT /Overlock 10	10.0	38
33	Accumulation and phytotoxicity of technical hexabromocyclododecane in maize. <i>Journal of Environmental Sciences</i> , 2016, 42, 97-104.	6.1	20
34	Cellular internalization and intracellular biotransformation of silver nanoparticles in <i>Chlamydomonas reinhardtii</i> . <i>Nanotoxicology</i> , 2016, 10, 1129-1135.	3.0	74
35	Occurrence and distribution of organophosphorus esters in soils and wheat plants in a plastic waste treatment area in China. <i>Environmental Pollution</i> , 2016, 214, 349-353.	7.5	116
36	Experimental and Theoretical Evidence for Diastereomer- and Enantiomer-Specific Accumulation and Biotransformation of HBCD in Maize Roots. <i>Environmental Science & Technology</i> , 2016, 50, 12205-12213.	10.0	23

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37	Solid-phase extraction-stepwise elution (SPE-SE) procedure for isolation of dissolved organic matter prior to ESI-FT-ICR-MS analysis. <i>Analytica Chimica Acta</i> , 2016, 948, 55-61.	5.4	53
38	Uptake, translocation and biotransformation kinetics of BDE-47, 6-OH-BDE-47 and 6-MeO-BDE-47 in maize (<i>Zea mays</i> L.). <i>Environmental Pollution</i> , 2016, 208, 714-722.	7.5	22
39	Influences of artificial root exudate components on the behaviors of BDE-28 and BDE-47 in soils: desorption, availability, and biodegradation. <i>Environmental Science and Pollution Research</i> , 2016, 23, 7702-7711.	5.3	12
40	Molecular-Scale Investigation with ESI-FT-ICR-MS on Fractionation of Dissolved Organic Matter Induced by Adsorption on Iron Oxyhydroxides. <i>Environmental Science & Technology</i> , 2016, 50, 2328-2336.	10.0	344
41	Properties of biomass-derived biochars: Combined effects of operating conditions and biomass types. <i>Bioresource Technology</i> , 2015, 192, 83-89.	9.6	166
42	Determination of fluorotelomer alcohols and their degradation products in biosolids-amended soils and plants using ultra-high performance liquid chromatography tandem mass spectrometry. <i>Journal of Chromatography A</i> , 2015, 1404, 72-80.	3.7	21
43	Accumulation, speciation and uptake pathway of ZnO nanoparticles in maize. <i>Environmental Science: Nano</i> , 2015, 2, 68-77.	4.3	178
44	Mechanistic studies of perfluorooctane sulfonate, perfluorooctanoic acid uptake by maize (<i>Zea mays</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.7	93
45	Simultaneous determination of brominated phenols in soils. <i>Journal of Environmental Sciences</i> , 2013, 25, 2306-2312.	6.1	20
46	Diastereomer-Specific Uptake, Translocation, and Toxicity of Hexabromocyclododecane Diastereoisomers to Maize. <i>Journal of Agricultural and Food Chemistry</i> , 2012, 60, 8528-8534.	5.2	40
47	Plant uptake and dissipation of PBDEs in the soils of electronic waste recycling sites. <i>Environmental Pollution</i> , 2011, 159, 238-243.	7.5	128
48	Analysis of hydroxylated polybrominated diphenyl ethers in plant samples using ultra performance liquid chromatography-mass spectrometry. <i>Science China Chemistry</i> , 2011, 54, 1782-1788.	8.2	18
49	Applications of synchrotron-based X-ray techniques in environmental science. <i>Science China Chemistry</i> , 2010, 53, 2529-2538.	8.2	13
50	Behavior of Decabromodiphenyl Ether (BDE-209) in the Soil~Plant System: Uptake, Translocation, and Metabolism in Plants and Dissipation in Soil. <i>Environmental Science & Technology</i> , 2010, 44, 663-667.	10.0	180
51	Uptake of Arsenic by Maize Inoculated with Three Different Arbuscular Mycorrhizal Fungi. <i>Communications in Soil Science and Plant Analysis</i> , 2010, 41, 735-743.	1.4	17
52	Enhanced cadmium accumulation in maize roots~the impact of organic acids. <i>Plant and Soil</i> , 2006, 289, 355-368.	3.7	108
53	Effects of Oxalate and Humic Acid on Arsenate Sorption by and Desorption from a Chinese Red Soil. <i>Water, Air, and Soil Pollution</i> , 2006, 176, 269-283.	2.4	16
54	Preconcentration and Determination of Trace Metals in Seawater Using a Thiol Cotton Fiber Minicolumn Coupled with Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Sciences</i> , 2005, 21, 651-654.	1.6	15

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55	Effects of Low Molecular Weight Organic Anions on the Release of Arsenite and Arsenate from a Contaminated Soil. <i>Water, Air, and Soil Pollution</i> , 2005, 167, 111-122.	2.4	27
56	Influences of lignin from paper mill sludge on soil properties and metal accumulation in wheat. <i>Biology and Fertility of Soils</i> , 2004, 40, 237.	4.3	24