

# Xiao-Song He

## List of Publications by Year in descending order

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Version: 2024-02-01

70  
papers

3,675  
citations

109321

35  
h-index

138484

58  
g-index

74  
all docs

74  
docs citations

74  
times ranked

2439  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contribution of redox-active properties of compost-derived humic substances in hematite bioreduction. <i>Chinese Chemical Letters</i> , 2022, 33, 2731-2735.	9.0	9
2	Response to Comment on "Comparison of Detection Methods of Microplastics in Landfill Mineralized Refuse and Selection of Degradation Degree Indexes". <i>Environmental Science &amp; Technology</i> , 2022, 56, 1471-1472.	10.0	0
3	Recent progress on in-situ chemical oxidation for the remediation of petroleum contaminated soil and groundwater. <i>Journal of Hazardous Materials</i> , 2022, 432, 128738.	12.4	52
4	Identifying and Monitoring the Landfill Leachate Contamination in Groundwater with SEC-DAD-FLD-OCD and a Portable Fluorescence Spectrometer. <i>ACS ES&amp;T Water</i> , 2022, 2, 165-173.	4.6	15
5	Degradation or humification: rethinking strategies to attenuate organic pollutants. <i>Trends in Biotechnology</i> , 2022, 40, 1061-1072.	9.3	27
6	Effect of ventilation quantity on electron transfer capacity and spectral characteristics of humic substances during sludge composting. <i>Environmental Science and Pollution Research</i> , 2022, 29, 70269-70284.	5.3	23
7	Influence of moisture content on chicken manure stabilization during microbial agent-enhanced composting. <i>Chemosphere</i> , 2021, 264, 128549.	8.2	88
8	Surfactant-enhanced remediation of oil-contaminated soil and groundwater: A review. <i>Science of the Total Environment</i> , 2021, 756, 144142.	8.0	137
9	Effects of landfill refuse on the reductive dechlorination of pentachlorophenol and speciation transformation of heavy metals. <i>Science of the Total Environment</i> , 2021, 760, 144122.	8.0	12
10	Construction of a carbon dots-based Z-scheme photocatalytic electrode with enhanced visible-light-driven activity for Cr(VI) reduction and carbamazepine degradation in different reaction systems. <i>Chemical Engineering Journal</i> , 2021, 420, 127571.	12.7	19
11	Comparison of Detection Methods of Microplastics in Landfill Mineralized Refuse and Selection of Degradation Degree Indexes. <i>Environmental Science &amp; Technology</i> , 2021, 55, 13802-13811.	10.0	53
12	Molecular structure and evolution characteristics of dissolved organic matter in groundwater near landfill: Implications of the identification of leachate leakage. <i>Science of the Total Environment</i> , 2021, 787, 147649.	8.0	29
13	K-strategy species plays a pivotal role in the natural attenuation of petroleum hydrocarbon pollution in aquifers. <i>Journal of Hazardous Materials</i> , 2021, 420, 126559.	12.4	14
14	Interaction and coexistence characteristics of dissolved organic matter with toxic metals and pesticides in shallow groundwater. <i>Environmental Pollution</i> , 2020, 258, 113736.	7.5	30
15	Municipal wastewater effluent influences dissolved organic matter quality and microbial community composition in an urbanized stream. <i>Science of the Total Environment</i> , 2020, 705, 135952.	8.0	33
16	Dissolved Silicate Enhances the Oxidation of Chlorophenols by Permanganate: Important Role of Silicate-Stabilized MnO <sub>2</sub> Colloids. <i>Environmental Science &amp; Technology</i> , 2020, 54, 10279-10288.	10.0	41
17	Evolution properties and dechlorination capacities of particulate organic matter from a landfill. <i>Journal of Hazardous Materials</i> , 2020, 400, 123313.	12.4	9
18	Fate and removal of aromatic organic matter upon a combined leachate treatment process. <i>Chemical Engineering Journal</i> , 2020, 401, 126157.	12.7	26

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19	Bioreduction of hexavalent chromium: Effect of compost-derived humic acids and hematite. <i>Chinese Chemical Letters</i> , 2020, 31, 2693-2697.	9.0	18
20	Redox properties and dechlorination capacities of landfill-derived humic-like acids. <i>Environmental Pollution</i> , 2019, 253, 488-496.	7.5	41
21	Hydrophobicity-dependent electron transfer capacities of dissolved organic matter derived from chicken manure compost. <i>Chemosphere</i> , 2019, 222, 757-765.	8.2	75
22	The impacts of metal ions on phytotoxicity mediate by microbial community during municipal solid waste composting. <i>Journal of Environmental Management</i> , 2019, 242, 153-161.	7.8	22
23	Polarity and Molecular Weight of Compost-Derived Humic Acids Impact Bio-dechlorination of Pentachlorophenol. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 4726-4733.	5.2	11
24	Redox properties of compost-derived organic matter and their association with polarity and molecular weight. <i>Science of the Total Environment</i> , 2019, 665, 920-928.	8.0	64
25	p-Arsanilic acid degradation and arsenic immobilization by a disilicate-assisted iron/aluminum electrolysis process. <i>Chemical Engineering Journal</i> , 2019, 368, 428-437.	12.7	28
26	Insight into indicators related to the humification and distribution of humic substances in Sphagnum and peat at different depths in the Qi Zimei Mountains. <i>Ecological Indicators</i> , 2019, 98, 430-441.	6.3	6
27	The binding properties of copper and lead onto compost-derived DOM using Fourier-transform infrared, UV-vis and fluorescence spectra combined with two-dimensional correlation analysis. <i>Journal of Hazardous Materials</i> , 2019, 365, 457-466.	12.4	125
28	Characteristics of groundwater pollution in a vegetable cultivation area of typical facility agriculture in a developed city. <i>Ecological Indicators</i> , 2019, 105, 709-716.	6.3	46
29	Succession and diversity of microbial communities in landfills with depths and ages and its association with dissolved organic matter and heavy metals. <i>Science of the Total Environment</i> , 2019, 651, 909-916.	8.0	102
30	Inoculation with Compost-Born Thermophilic Complex Microbial Consortium Induced Organic Matters Degradation While Reduced Nitrogen Loss During Co-Composting of Dairy Manure and Sugarcane Leaves. <i>Waste and Biomass Valorization</i> , 2019, 10, 2467-2477.	3.4	29
31	Insights into the redox components of dissolved organic matters during stabilization process. <i>Environmental Science and Pollution Research</i> , 2018, 25, 13026-13034.	5.3	10
32	Characterization of isolated fractions of dissolved organic matter derived from municipal solid waste compost. <i>Science of the Total Environment</i> , 2018, 635, 275-283.	8.0	49
33	Investigating the composition characteristics of dissolved and particulate/colloidal organic matter in effluent-dominated stream using fluorescence spectroscopy combined with multivariable analysis. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9132-9144.	5.3	9
34	Discrepant responses of the electron transfer capacity of soil humic substances to irrigations with wastewaters from different sources. <i>Science of the Total Environment</i> , 2018, 610-611, 333-341.	8.0	23
35	Polarity and molecular weight of compost-derived humic acid affect Fe(III) oxides reduction. <i>Chemosphere</i> , 2018, 208, 77-83.	8.2	34
36	Mechanisms of rice straw biochar effects on phosphorus sorption characteristics of acid upland red soils. <i>Chemosphere</i> , 2018, 207, 267-277.	8.2	39

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37	Intercropping wheat and maize increases the uptake of phthalic acid esters by plant roots from soils. <i>Journal of Hazardous Materials</i> , 2018, 359, 9-18.	12.4	22
38	Roles of bacterial community in the transformation of dissolved organic matter for the stability and safety of material during sludge composting. <i>Bioresource Technology</i> , 2018, 267, 378-385.	9.6	104
39	Quicklime-induced changes of soil properties: Implications for enhanced remediation of volatile chlorinated hydrocarbon contaminated soils via mechanical soil aeration. <i>Chemosphere</i> , 2017, 173, 435-443.	8.2	14
40	Increased Electron-Accepting and Decreased Electron-Donating Capacities of Soil Humic Substances in Response to Increasing Temperature. <i>Environmental Science &amp; Technology</i> , 2017, 51, 3176-3186.	10.0	81
41	Effect of Compositional and Structural Evolution of Size-fractionated Dissolved Organic Matter on Electron Transfer Capacity During Composting. <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 579-586.	1.7	9
42	Response of humic-reducing microorganisms to the redox properties of humic substance during composting. <i>Waste Management</i> , 2017, 70, 37-44.	7.4	56
43	Compost-derived humic acids as regulators for reductive degradation of nitrobenzene. <i>Journal of Hazardous Materials</i> , 2017, 339, 378-384.	12.4	62
44	Heterogeneity of the electron exchange capacity of kitchen waste compost-derived humic acids based on fluorescence components. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 7825-7833.	3.7	13
45	Novel method of vulnerability assessment of simple landfills area using the multimedia, multipathway and multireceptor risk assessment (3MRA) model, China. <i>Waste Management and Research</i> , 2016, 34, 1099-1108.	3.9	2
46	Investigating the effect of landfill leachates on the characteristics of dissolved organic matter in groundwater using excitation-emission matrix fluorescence spectra coupled with fluorescence regional integration and self-organizing map. <i>Environmental Science and Pollution Research</i> , 2016, 23, 21229-21237.	5.3	22
47	The evolution of water extractable organic matter and its association with microbial community dynamics during municipal solid waste composting. <i>Waste Management</i> , 2016, 56, 79-87.	7.4	90
48	Successions and diversity of humic-reducing microorganisms and their association with physical-chemical parameters during composting. <i>Bioresource Technology</i> , 2016, 219, 204-211.	9.6	98
49	Characteristic Study of Dissolved Organic Matter for Electron Transfer Capacity during Initial Landfill Stage. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 1568-1574.	1.7	13
50	Characterizing the compositional variation of dissolved organic matter over hydrophobicity and polarity using fluorescence spectra combined with principal component analysis and two-dimensional correlation technique. <i>Environmental Science and Pollution Research</i> , 2016, 23, 9237-9244.	5.3	14
51	Insight into the composition and degradation potential of dissolved organic matter with different hydrophobicity in landfill leachates. <i>Chemosphere</i> , 2016, 144, 75-80.	8.2	62
52	Using fluorescence spectroscopy coupled with chemometric analysis to investigate the origin, composition, and dynamics of dissolved organic matter in leachate-polluted groundwater. <i>Environmental Science and Pollution Research</i> , 2015, 22, 8499-8506.	5.3	43
53	Effect of multi-stage inoculation on the bacterial and fungal community structure during organic municipal solid wastes composting. <i>Bioresource Technology</i> , 2015, 196, 399-405.	9.6	132
54	Insight into the composition and evolution of compost-derived dissolved organic matter using high-performance liquid chromatography combined with Fourier transform infrared and nuclear magnetic resonance spectra. <i>Journal of Chromatography A</i> , 2015, 1420, 83-91.	3.7	31

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55	Composition, removal, redox, and metal complexation properties of dissolved organic nitrogen in composting leachates. <i>Journal of Hazardous Materials</i> , 2015, 283, 227-233.	12.4	61
56	Insight into the evolution, redox, and metal binding properties of dissolved organic matter from municipal solid wastes using two-dimensional correlation spectroscopy. <i>Chemosphere</i> , 2014, 117, 701-707.	8.2	86
57	Influence of the composition and removal characteristics of organic matter on heavy metal distribution in compost leachates. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7522-7529.	5.3	18
58	Characterizing the heavy metal-complexing potential of fluorescent water-extractable organic matter from composted municipal solid wastes using fluorescence excitation-emission matrix spectra coupled with parallel factor analysis. <i>Environmental Science and Pollution Research</i> , 2014, 21, 7973-7984.	5.3	65
59	Composition and spectroscopic characteristics of dissolved organic matter extracted from the sediment of Erhai Lake in China. <i>Journal of Soils and Sediments</i> , 2014, 14, 1599-1611.	3.0	51
60	Influence of chemical and structural evolution of dissolved organic matter on electron transfer capacity during composting. <i>Journal of Hazardous Materials</i> , 2014, 268, 256-263.	12.4	136
61	Fluorescence excitation-emission matrix spectra coupled with parallel factor and regional integration analysis to characterize organic matter humification. <i>Chemosphere</i> , 2013, 93, 2208-2215.	8.2	153
62	Structural transformation study of water-extractable organic matter during the industrial composting of cattle manure. <i>Microchemical Journal</i> , 2013, 106, 160-166.	4.5	77
63	Denitrification potential and its correlation to physico-chemical and biological characteristics of saline wetland soils in semi-arid regions. <i>Chemosphere</i> , 2012, 89, 1339-1346.	8.2	14
64	The composition and mercury complexation characteristics of dissolved organic matter in landfill leachates with different ages. <i>Ecotoxicology and Environmental Safety</i> , 2012, 86, 227-232.	6.0	41
65	Study on the spectral and Cu (II) binding characteristics of DOM leached from soils and lake sediments in the Hetao region. <i>Environmental Science and Pollution Research</i> , 2012, 19, 2079-2087.	5.3	28
66	Effect of inoculation methods on the composting efficiency of municipal solid wastes. <i>Chemosphere</i> , 2012, 88, 744-750.	8.2	92
67	Characterization of dissolved organic matter extracted from fermentation effluent of swine manure slurry using spectroscopic techniques and parallel factor analysis (PARAFAC). <i>Microchemical Journal</i> , 2012, 102, 115-122.	4.5	89
68	Spectroscopic characterization of water extractable organic matter during composting of municipal solid waste. <i>Chemosphere</i> , 2011, 82, 541-548.	8.2	243
69	Physicochemical and spectroscopic characteristics of dissolved organic matter extracted from municipal solid waste (MSW) and their influence on the landfill biological stability. <i>Bioresource Technology</i> , 2011, 102, 2322-2327.	9.6	125
70	Fluorescence excitation-emission matrix spectroscopy with regional integration analysis for characterizing composition and transformation of dissolved organic matter in landfill leachates. <i>Journal of Hazardous Materials</i> , 2011, 190, 293-299.	12.4	176