

Xu-jing Guo

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.

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|-------------------|-------------------------|----------------|-----------------|
| 51 papers | 1,114 citations | 19 h-index | 32 g-index |
| 51 ext. papers | 1,385 ext. citations | 5.8 avg, IF | 4.72 L-index |

| # | Paper | IF | Citations |
|----|--|------|-----------|
| 51 | Effect of biochar-derived DOM on the interaction between Cu(II) and biochar prepared at different pyrolysis temperatures. <i>Journal of Hazardous Materials</i> , 2022 , 421, 126739 | 12.8 | 9 |
| 50 | Environmental Risk and Management of Herbal-Extraction Residues Induced by the Composition and Metal Binding Properties of DOM. <i>Frontiers in Environmental Science</i> , 2022 , 10, | 4.8 | 1 |
| 49 | Insight into the effects of biological treatment on the binding properties of copper onto dissolved organic matter derived from coking wastewater.. <i>Ecotoxicology and Environmental Safety</i> , 2022 , 238, 113567 | 7 | 0 |
| 48 | Performance and mechanism of biochar-coupled BiVO ₄ photocatalyst on the degradation of sulfanilamide. <i>Journal of Cleaner Production</i> , 2021 , 325, 129349 | 10.3 | 2 |
| 47 | Effects of hydrophyte decomposition on the binding mechanism between fluorescent DOM and copper. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 214, 112064 | 7 | 2 |
| 46 | Effects of digestate on biomass of a selected energy crop and soil properties. <i>Journal of the Science of Food and Agriculture</i> , 2021 , 101, 927-936 | 4.3 | 11 |
| 45 | Novel AgClxBr1-x solid solutions photocatalyst with enhanced photocatalytic activity for reduction of Cr ⁶⁺ and oxidation of Bisphenol A under simulated sunlight. <i>Materials Research Bulletin</i> , 2021 , 139, 111257 | 5.1 | 1 |
| 44 | Effects on the complexation of heavy metals onto biochar-derived WEOM extracted from low-temperature pyrolysis. <i>Ecotoxicology and Environmental Safety</i> , 2021 , 221, 112456 | 7 | 5 |
| 43 | Study on the complexation of heavy metals onto biogas slurry DOM using two-dimensional correlation spectroscopy combined with the log-transformed synchronous fluorescence spectroscopy. <i>Environmental Science and Pollution Research</i> , 2021 , 28, 22878-22885 | 5.1 | 7 |
| 42 | In-situ construction of amorphous/crystalline contact Bi ₂ S ₃ /Bi ₄ O ₇ heterostructures for enhanced visible-light photocatalysis. <i>Chinese Chemical Letters</i> , 2020 , 32, 2539-2539 | 8.1 | 6 |
| 41 | Recovery of Phosphorus from Aqueous Solution by Iron-Aluminum-Zirconium-Modified Anthracite: Performance and Mechanism. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 8577-8584 | 8.3 | 4 |
| 40 | Impact of hydrophyte decomposition on the changes and characteristics of dissolved organic matter in lake water. <i>Ecological Indicators</i> , 2020 , 116, 106482 | 5.8 | 9 |
| 39 | Effects of digestate DOM on chemical behavior of soil heavy metals in an abandoned copper mining areas. <i>Journal of Hazardous Materials</i> , 2020 , 393, 122436 | 12.8 | 30 |
| 38 | Competitive adsorption of benzene and water vapor on lignite-based activated carbon: Experiment and molecular simulation study. <i>Chemical Engineering Journal</i> , 2020 , 398, 125557 | 14.7 | 11 |
| 37 | A review on metal-organic frameworks for photoelectrocatalytic applications. <i>Chinese Chemical Letters</i> , 2020 , 31, 1773-1781 | 8.1 | 22 |
| 36 | The application of two-dimensional correlation spectroscopy for the binding properties of heavy metals onto digestate-derived DOM from anaerobic digestion of chicken manure. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 204, 111129 | 7 | 10 |
| 35 | Insight into the binding properties of carbamazepine onto dissolved organic matter using spectroscopic techniques during grassy swale treatment. <i>Ecotoxicology and Environmental Safety</i> , 2019 , 173, 444-451 | 7 | 10 |

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| 34 | Investigating adsorption performance of heavy metals onto humic acid from sludge using Fourier-transform infrared combined with two-dimensional correlation spectroscopy. <i>Environmental Science and Pollution Research</i> , 2019 , 26, 9842-9850 | 5.1 | 19 |
| 33 | Investigating the pollutant-removal performance and DOM characteristics of rainfall surface runoff during different ecological concrete revetments treatment. <i>Ecological Indicators</i> , 2019 , 105, 655-662 | 5.8 | 9 |
| 32 | Impacts of soil improvement on the pollutant-removal performance and DOM characteristics using a simulation experiment. <i>Ecological Indicators</i> , 2019 , 105, 581-590 | 5.8 | 4 |
| 31 | 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 | 12.8 | 68 |
| 30 | Insights into the pollutant-removal performance and DOM characteristics of stormwater runoff during grassy-swales treatment. <i>Environmental Technology (United Kingdom)</i> , 2019 , 40, 441-450 | 2.6 | 6 |
| 29 | Comparison of Different Pretreatments of Rice Straw Substrate to Improve Biogas Production. <i>Waste and Biomass Valorization</i> , 2018 , 9, 1503-1512 | 3.2 | 34 |
| 28 | Characterization of dissolved organic matter from biogas residue composting using spectroscopic techniques. <i>Waste Management</i> , 2018 , 78, 301-309 | 8.6 | 31 |
| 27 | Tracking variations of fluorescent dissolved organic matter during wastewater treatment by accumulative fluorescence emission spectroscopy combined with principal component, second derivative and canonical correlation analyses. <i>Chemosphere</i> , 2018 , 194, 463-470 | 8.4 | 15 |
| 26 | Characteristic contaminants in snowpack and snowmelt surface runoff from different functional areas in Beijing, China. <i>Environmental Science and Pollution Research</i> , 2018 , 25, 36256-36266 | 5.1 | 4 |
| 25 | Characterization of Dissolved Organic Matter from Effluents in a Dry Anaerobic Digestion Process Using Spectroscopic Techniques and Multivariate Statistical Analysis. <i>Waste and Biomass Valorization</i> , 2017 , 8, 793-802 | 3.2 | 10 |
| 24 | Investigating the spectral characteristic and humification degree of dissolved organic matter in saline-alkali soil using spectroscopic techniques. <i>Frontiers of Earth Science</i> , 2017 , 11, 76-84 | 1.7 | 15 |
| 23 | Detecting the Changes of Water Qualities and Fluorescent DOM in a Constructed Rapid Infiltration System. <i>Wetlands</i> , 2017 , 37, 585-592 | 1.7 | 1 |
| 22 | Using fluorescence quenching combined with two-dimensional correlation fluorescence spectroscopy to characterise the binding-site heterogeneity of dissolved organic matter with copper and mercury in lake sediments. <i>Environmental Chemistry</i> , 2017 , 14, 91 | 3.2 | 23 |
| 21 | Pollutant-removal performance and variability of DOM quantity and composition with traditional ecological concrete (TEC) and improved multi-aggregate eco-concrete (IMAEC) revetment treatments. <i>Ecological Engineering</i> , 2017 , 105, 141-149 | 3.9 | 14 |
| 20 | Experimental and visual research on the microbial induced carbonate precipitation by <i>Pseudomonas aeruginosa</i> . <i>AMB Express</i> , 2017 , 7, 57 | 4.1 | 25 |
| 19 | Characterization of Dissolved Organic Matter in Lake Baiyangdian Using Spectroscopic Techniques and Multivariate Statistical Analysis. <i>Clean - Soil, Air, Water</i> , 2016 , 44, 1444-1452 | 1.6 | 3 |
| 18 | Changes and characteristics of dissolved organic matter in a constructed wetland system using fluorescence spectroscopy. <i>Environmental Science and Pollution Research</i> , 2016 , 23, 12237-45 | 5.1 | 30 |
| 17 | Characterizing the fluorescent properties and copper complexation of dissolved organic matter in saline-alkali soils using fluorescence excitation-emission matrix and parallel factor analysis. <i>Journal of Soils and Sediments</i> , 2015 , 15, 1473-1482 | 3.4 | 25 |

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| 16 | Detection of Copper (II) and Cadmium (II) binding to dissolved organic matter from macrophyte decomposition by fluorescence excitation-emission matrix spectra combined with parallel factor analysis. <i>Environmental Pollution</i> , 2015 , 204, 152-60 | 9.3 | 67 |
| 15 | Nutrition potential of biogas residues as organic fertilizer regarding the speciation and leachability of inorganic metal elements. <i>Environmental Technology (United Kingdom)</i> , 2015 , 36, 992-1000 | 2.6 | 16 |
| 14 | Electrokinetic removal of Cu and Zn in anaerobic digestate: interrelation between metal speciation and electrokinetic treatments. <i>Journal of Hazardous Materials</i> , 2015 , 286, 118-26 | 12.8 | 20 |
| 13 | Changes in spectral characteristics and copper (II)-binding of dissolved organic matter in leachate from different water-treatment processes. <i>Archives of Environmental Contamination and Toxicology</i> , 2014 , 66, 270-6 | 3.2 | 3 |
| 12 | Investigating the spatial variability of dissolved organic matter quantity and composition in Lake Wuliangsuhai. <i>Ecological Engineering</i> , 2014 , 62, 93-101 | 3.9 | 44 |
| 11 | Investigating Spectral Characteristics and Spatial Variability of Dissolved Organic Matter Leached from Wetland in Semi-Arid Region to Differentiate Its Sources and Fate. <i>Clean - Soil, Air, Water</i> , 2014 , 42, 1076-1082 | 1.6 | 4 |
| 10 | Sequential extraction of anaerobic digestate sludge for the determination of partitioning of heavy metals. <i>Ecotoxicology and Environmental Safety</i> , 2014 , 102, 18-24 | 7 | 64 |
| 9 | 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, 7522-9 | 5.1 | 14 |
| 8 | The spectral characteristics of dissolved organic matter from sediments in Lake Baiyangdian, North China. <i>Journal of Great Lakes Research</i> , 2014 , 40, 684-691 | 3 | 18 |
| 7 | Detection of dissolved organic matter in saline-alkali soils using synchronous fluorescence spectroscopy and principal component analysis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013 , 104, 280-6 | 4.4 | 38 |
| 6 | 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 | 4.8 | 79 |
| 5 | Spectroscopic techniques for quantitative characterization of Cu (II) and Hg (II) complexation by dissolved organic matter from lake sediment in arid and semi-arid region. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 85, 144-50 | 7 | 43 |
| 4 | Case study on incentive mechanism of energy efficiency retrofit in coal-fueled power plant in China. <i>Scientific World Journal, The</i> , 2012 , 2012, 841636 | 2.2 | 2 |
| 3 | 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, 2079-87 | 5.1 | 23 |
| 2 | Spectroscopic characterization of water extractable organic matter during composting of municipal solid waste. <i>Chemosphere</i> , 2011 , 82, 541-8 | 8.4 | 189 |
| 1 | Spectroscopic Properties of Dissolved Fulvic Acids. <i>Soil Science</i> , 2010 , 175, 240-245 | 0.9 | 14 |