

# Fanhao Song

## List of Publications by Year in descending order

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papers

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citations

430754

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526166

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28  
docs citations

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times ranked

928  
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamic Evolution and Covariant Response Mechanism of Volatile Organic Compounds and Residual Functional Groups during the Online Pyrolysis of Coal and Biomass Fuels. <i>Environmental Science &amp; Technology</i> , 2022, 56, 5409-5420.	4.6	14
2	Eco-Colloidal Layer of Micro/Nanoplastics Increases Complexity and Uncertainty of Their Biototoxicity in Aquatic Environments. <i>Environmental Science &amp; Technology</i> , 2022, 56, 10547-10549.	4.6	11
3	Novel Insights into the Molecular-Level Mechanism Linking the Chemical Diversity and Copper Binding Heterogeneity of Biochar-Derived Dissolved Black Carbon and Dissolved Organic Matter. <i>Environmental Science &amp; Technology</i> , 2021, 55, 11624-11636.	4.6	48
4	Surface Activity of Humic Acid and Its Sub-Fractions from Forest Soil. <i>Sustainability</i> , 2021, 13, 8122.	1.6	2
5	Pyrolysis characteristics of soil humic substances using TG-FTIR-MS combined with kinetic models. <i>Science of the Total Environment</i> , 2020, 698, 134237.	3.9	62
6	Experimental and modeling study of proton and copper binding properties onto fulvic acid fractions using spectroscopic techniques combined with two-dimensional correlation analysis. <i>Environmental Pollution</i> , 2020, 256, 113465.	3.7	27
7	Simulated photo-degradation of dissolved organic matter in lakes revealed by three-dimensional excitation-emission matrix with regional integration and parallel factor analysis. <i>Journal of Environmental Sciences</i> , 2020, 90, 310-320.	3.2	24
8	Composition characterization and biotransformation of dissolved, particulate and algae organic phosphorus in eutrophic lakes. <i>Environmental Pollution</i> , 2020, 265, 114838.	3.7	43
9	Investigation of eluted characteristics of fulvic acids using differential spectroscopy combined with Gaussian deconvolution and spectral indices. <i>Environmental Science and Pollution Research</i> , 2020, 27, 11000-11011.	2.7	1
10	Three decades of changes in water environment of a large freshwater Lake and its relationship with socio-economic indicators. <i>Journal of Environmental Sciences</i> , 2019, 77, 156-166.	3.2	25
11	Spectroscopic analyses combined with Gaussian and Coats-Redfern models to investigate the characteristics and pyrolysis kinetics of sugarcane residue-derived biochars. <i>Journal of Cleaner Production</i> , 2019, 237, 117855.	4.6	40
12	Novel Insights into the Kinetics, Evolved Gases, and Mechanisms for Biomass (Sugar Cane Residue) Pyrolysis. <i>Environmental Science &amp; Technology</i> , 2019, 53, 13495-13505.	4.6	66
13	Photodegradation of algae and macrophyte-derived dissolved organic matter: A multi-method assessment of DOM transformation. <i>Limnologia</i> , 2019, 77, 125683.	0.7	28
14	Correlations between slow pyrolysis characteristics and organic carbon structure of aquatic plant biomass. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17555-17566.	2.7	2
15	Depth-dependent variations of dissolved organic matter composition and humification in a plateau lake using fluorescence spectroscopy. <i>Chemosphere</i> , 2019, 225, 507-516.	4.2	54
16	Molecular Signatures of Three Fulvic Acid Standard Samples as Revealed by Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. <i>ChemistrySelect</i> , 2019, 4, 13940-13946.	0.7	6
17	Algal uptake of hydrophilic and hydrophobic dissolved organic nitrogen in the eutrophic lakes. <i>Chemosphere</i> , 2019, 214, 295-302.	4.2	18
18	Dissolved organic matter characterization of biochars produced from different feedstock materials. <i>Journal of Environmental Management</i> , 2019, 233, 393-399.	3.8	104

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19	Temporal variation in zooplankton and phytoplankton community species composition and the affecting factors in Lake Taihu—a large freshwater lake in China. <i>Environmental Pollution</i> , 2019, 245, 1050-1057.	3.7	75
20	Characterization of phosphorus in algae from a eutrophic lake by solution <sup>31</sup> P nuclear magnetic resonance spectroscopy. <i>Limnology</i> , 2019, 20, 163-171.	0.8	11
21	Fluorescence regional integration and differential fluorescence spectroscopy for analysis of structural characteristics and proton binding properties of fulvic acid sub-fractions. <i>Journal of Environmental Sciences</i> , 2018, 74, 116-125.	3.2	34
22	Simulated bioavailability of phosphorus from aquatic macrophytes and phytoplankton by aqueous suspension and incubation with alkaline phosphatase. <i>Science of the Total Environment</i> , 2018, 616-617, 1431-1439.	3.9	54
23	Environmental geochemical and spatial/temporal behavior of total and speciation of antimony in typical contaminated aquatic environment from Xikuangshan, China. <i>Microchemical Journal</i> , 2018, 137, 181-189.	2.3	59
24	Protonation-dependent heterogeneity in fluorescent binding sites in sub-fractions of fulvic acid using principle component analysis and two-dimensional correlation spectroscopy. <i>Science of the Total Environment</i> , 2018, 616-617, 1279-1287.	3.9	40
25	Using dual isotopes and a Bayesian isotope mixing model to evaluate sources of nitrate of Tai Lake, China. <i>Environmental Science and Pollution Research</i> , 2018, 25, 32631-32639.	2.7	19
26	Colloidal stability of Fe <sub>3</sub> O <sub>4</sub> magnetic nanoparticles differentially impacted by dissolved organic matter and cations in synthetic and naturally-occurred environmental waters. <i>Environmental Pollution</i> , 2018, 241, 912-921.	3.7	31
27	Interactions between stepwise-eluted sub-fractions of fulvic acids and protons revealed by fluorescence titration combined with EEM-PARAFAC. <i>Science of the Total Environment</i> , 2017, 605-606, 58-65.	3.9	43
28	Using solid <sup>13</sup> C NMR coupled with solution <sup>31</sup> P NMR spectroscopy to investigate molecular species and lability of organic carbon and phosphorus from aquatic plants in Tai Lake, China. <i>Environmental Science and Pollution Research</i> , 2017, 24, 1880-1889.	2.7	12