

# Fengchang Wu

## List of Publications by Year in descending order

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Version: 2024-02-01

25  
papers

1,045  
citations

471061

17  
h-index

610482

24  
g-index

25  
all docs

25  
docs citations

25  
times ranked

849  
citing authors

#	ARTICLE	IF	CITATIONS
1	Foliar Application with Iron Oxide Nanomaterials Stimulate Nitrogen Fixation, Yield, and Nutritional Quality of Soybean. <i>ACS Nano</i> , 2022, 16, 1170-1181.	7.3	56
2	Gut Microbiota Provides a New Mechanism for Explaining Agrochemical-Induced Synergistic Effects on Bee Mortality. <i>Environmental Science &amp; Technology</i> , 2022, 56, 1489-1491.	4.6	5
3	Century-Long Homogenization of Algal Communities Is Accelerated by Nutrient Enrichment and Climate Warming in Lakes and Reservoirs of the North Temperate Zone. <i>Environmental Science &amp; Technology</i> , 2022, 56, 3780-3790.	4.6	18
4	Unraveling the Role of Anthropogenic and Natural Drivers in Shaping the Molecular Composition and Biolability of Dissolved Organic Matter in Non-pristine Lakes. <i>Environmental Science &amp; Technology</i> , 2022, 56, 4655-4664.	4.6	36
5	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
6	Effect of Tube Diameters and Functional Groups on Adsorption and Suspension Behaviors of Carbon Nanotubes in Presence of Humic Acid. <i>Nanomaterials</i> , 2022, 12, 1592.	1.9	2
7	Polystyrene Nanoplastics Toxicity to Zebrafish: Dysregulation of the Brain-Intestine-Microbiota Axis. <i>ACS Nano</i> , 2022, 16, 8190-8204.	7.3	72
8	Deciphering dissolved organic matter by Fourier transform ion cyclotron resonance mass spectrometry (FT-ICR MS): from bulk to fractions and individuals. , 2022, 1, .		49
9	Color: An Important but Overlooked Factor for Plastic Photoaging and Microplastic Formation. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9161-9163.	4.6	39
10	Sturgeons Are Biodiversity Priorities Needing Special Protection from Chemicals and Waste. <i>Environmental Science &amp; Technology</i> , 2022, 56, 9847-9850.	4.6	2
11	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
12	Sedimentary DNA record of eukaryotic algal and cyanobacterial communities in a shallow Lake driven by human activities and climate change. <i>Science of the Total Environment</i> , 2021, 753, 141985.	3.9	20
13	How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum. <i>Limnology and Oceanography</i> , 2021, 66, 1730-1742.	1.6	29
14	Climate and Nutrient-Driven Regime Shifts of Cyanobacterial Communities in Low-Latitude Plateau Lakes. <i>Environmental Science &amp; Technology</i> , 2021, 55, 3408-3418.	4.6	22
15	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
16	Rainstorm events shift the molecular composition and export of dissolved organic matter in a large drinking water reservoir in China: High frequency buoys and field observations. <i>Water Research</i> , 2020, 187, 116471.	5.3	38
17	Application of Hydrochar Altered Soil Microbial Community Composition and the Molecular Structure of Native Soil Organic Carbon in a Paddy Soil. <i>Environmental Science &amp; Technology</i> , 2020, 54, 2715-2725.	4.6	111
18	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

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19	Model for Predicting Toxicities of Metals and Metalloids in Coastal Marine Environments Worldwide. <i>Environmental Science &amp; Technology</i> , 2018, 52, 4199-4206.	4.6	32
20	Magnetic Nanoparticles Interaction with Humic Acid: In the Presence of Surfactants. <i>Environmental Science &amp; Technology</i> , 2016, 50, 8640-8648.	4.6	42
21	Predicting Water Quality Criteria for Protecting Aquatic Life from Physicochemical Properties of Metals or Metalloids. <i>Environmental Science &amp; Technology</i> , 2013, 47, 446-453.	4.6	89
22	The relationship between humic acid (HA) adsorption on and stabilizing multiwalled carbon nanotubes (MWNTs) in water: Effects of HA, MWNT and solution properties. <i>Journal of Hazardous Materials</i> , 2012, 241-242, 404-410.	6.5	54
23	Different stabilities of multiwalled carbon nanotubes in fresh surface water samples. <i>Environmental Pollution</i> , 2010, 158, 1270-1274.	3.7	73
24	Geochemical characterization of organic ligands for copper(II) in different molecular size fractions in Lake Biwa, Japan. <i>Organic Geochemistry</i> , 2001, 32, 1311-1318.	0.9	22
25	Isolation and Partial Characterization of Dissolved Copper-Complexing Ligands in Streamwaters. <i>Environmental Science &amp; Technology</i> , 2001, 35, 3646-3652.	4.6	95