Fengchang Wu

List of Publications by Year
in descending order

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25	1,045	471061 17	610482 24
papers	citations	h-index	g-index

25	25	25	849
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Application of Hydrochar Altered Soil Microbial Community Composition and the Molecular Structure of Native Soil Organic Carbon in a Paddy Soil. Environmental Science & Technology, 2020, 54, 2715-2725.	4.6	111
2	Isolation and Partial Characterization of Dissolved Copper-Complexing Ligands in Streamwaters. Environmental Science & Technology, 2001, 35, 3646-3652.	4.6	95
3	Predicting Water Quality Criteria for Protecting Aquatic Life from Physicochemical Properties of Metals or Metalloids. Environmental Science & Technology, 2013, 47, 446-453.	4.6	89
4	Different stabilities of multiwalled carbon nanotubes in fresh surface water samples. Environmental Pollution, 2010, 158, 1270-1274.	3.7	73
5	Polystyrene Nanoplastics Toxicity to Zebrafish: Dysregulation of the Brainâ€“Intestineâ€“Microbiota Axis. ACS Nano, 2022, 16, 8190-8204.	7.3	72
6	Novel Insights into the Kinetics, Evolved Gases, and Mechanisms for Biomass (Sugar Cane Residue) Pyrolysis. Environmental Science & Technology, 2019, 53, 13495-13505.	4.6	66
7	Foliar Application with Iron Oxide Nanomaterials Stimulate Nitrogen Fixation, Yield, and Nutritional Quality of Soybean. ACS Nano, 2022, 16, 1170-1181.	7.3	56
8	The relationship between humic acid (HA) adsorption on and stabilizing multiwalled carbon nanotubes (MWNTs) in water: Effects of HA, MWNT and solution properties. Journal of Hazardous Materials, 2012, 241-242, 404-410.	6.5	54
9	Deciphering dissolved organic matter by Fourier transform ion cyclotron resonance mass spectrometryÂ(FT-ICR MS): from bulk to fractions and individuals. , 2022, 1, .		49
10	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. Environmental Science & Technology, 2021, 55, 11624-11636.	4.6	48
11	Magnetic Nanoparticles Interaction with Humic Acid: In the Presence of Surfactants. Environmental Science & Technology, 2016, 50, 8640-8648.	4.6	42
12	Color: An Important but Overlooked Factor for Plastic Photoaging and Microplastic Formation. Environmental Science & Technology, 2022, 56, 9161-9163.	4.6	39
13	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. Water Research, 2020, 187, 116471.	5.3	38
14	Unraveling the Role of Anthropogenic and Natural Drivers in Shaping the Molecular Composition and Biolability of Dissolved Organic Matter in Non-pristine Lakes. Environmental Science & Technology, 2022, 56, 4655-4664.	4.6	36
15	Model for Predicting Toxicities of Metals and Metalloids in Coastal Marine Environments Worldwide. Environmental Science & Technology, 2018, 52, 4199-4206.	4.6	32
16	How hydrology and anthropogenic activity influence the molecular composition and export of dissolved organic matter: Observations along a large river continuum. Limnology and Oceanography, 2021, 66, 1730-1742.	1.6	29
17	Geochemical characterization of organic ligands for copper(II) in different molecular size fractions in Lake Biwa, Japan. Organic Geochemistry, 2001, 32, 1311-1318.	0.9	22
18	Climate and Nutrient-Driven Regime Shifts of Cyanobacterial Communities in Low-Latitude Plateau Lakes. Environmental Science & Technology, 2021, 55, 3408-3418.	4.6	22

#	Article	IF	Citations
19	Sedimentary DNA record of eukaryotic algal and cyanobacterial communities in a shallow Lake driven by human activities and climate change. Science of the Total Environment, 2021, 753, 141985.	3.9	20
20	Century-Long Homogenization of Algal Communities Is Accelerated by Nutrient Enrichment and Climate Warming in Lakes and Reservoirs of the North Temperate Zone. Environmental Science & Technology, 2022, 56, 3780-3790.	4.6	18
21	Dynamic Evolution and Covariant Response Mechanism of Volatile Organic Compounds and Residual Functional Groups during the Online Pyrolysis of Coal and Biomass Fuels. Environmental Science & Technology, 2022, 56, 5409-5420.	4.6	14
22	Eco-Colloidal Layer of Micro/Nanoplastics Increases Complexity and Uncertainty of Their Biotoxicity in Aquatic Environments. Environmental Science & Technology, 2022, 56, 10547-10549.	4.6	11
23	Gut Microbiota Provides a New Mechanism for Explaining Agrochemical-Induced Synergistic Effects on Bee Mortality. Environmental Science & Technology, 2022, 56, 1489-1491.	4.6	5
24	Effect of Tube Diameters and Functional Groups on Adsorption and Suspension Behaviors of Carbon Nanotubes in Presence of Humic Acid. Nanomaterials, 2022, 12, 1592.	1.9	2
25	Sturgeons Are Biodiversity Priorities Needing Special Protection from Chemicals and Waste. Environmental Science & Technology, 2022, 56, 9847-9850.	4.6	2