

Ying-Chen Bai

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Novel Insights into the Kinetics, Evolved Gases, and Mechanisms for Biomass (Sugar Cane Residue) Pyrolysis. <i>Environmental Science & Technology</i> , 2019, 53, 13495-13505.	10.0	66
2	Pyrolysis characteristics of soil humic substances using TG-FTIR-MS combined with kinetic models. <i>Science of the Total Environment</i> , 2020, 698, 134237.	8.0	62
3	Depth-dependent variations of dissolved organic matter composition and humification in a plateau lake using fluorescence spectroscopy. <i>Chemosphere</i> , 2019, 225, 507-516.	8.2	54
4	Interaction between carbamazepine and humic substances: A fluorescence spectroscopy study. <i>Environmental Toxicology and Chemistry</i> , 2008, 27, 95-102.	4.3	51
5	Cation-induced coagulation of aquatic plant-derived dissolved organic matter: Investigation by EEM-PARAFAC and FT-IR spectroscopy. <i>Environmental Pollution</i> , 2018, 234, 726-734.	7.5	50
6	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 & Technology</i> , 2021, 55, 11624-11636.	10.0	48
7	Spectroscopic characterization and molecular weight distribution of dissolved organic matter in sediment porewaters from Lake Erhai, Southwest China. <i>Biogeochemistry</i> , 2006, 81, 179-189.	3.5	44
8	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.	8.0	43
9	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.	8.0	40
10	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.	9.3	40
11	Nonylphenol occurrence, distribution, toxicity and analytical methods in freshwater. <i>Environmental Chemistry Letters</i> , 2020, 18, 2095-2106.	16.2	35
12	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.	6.1	34
13	Isolation and Characterization of Chinese Standard Fulvic Acid Sub-fractions Separated from Forest Soil by Stepwise Elution with Pyrophosphate Buffer. <i>Scientific Reports</i> , 2015, 5, 8723.	3.3	30
14	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.	7.5	27
15	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.	6.1	24
16	Technical study on national mandatory guideline for deriving water quality criteria for the protection of freshwater aquatic organisms in China. <i>Journal of Environmental Management</i> , 2019, 250, 109539.	7.8	23
17	Fluorescence quenching of fulvic acids by fullerene in water. <i>Environmental Pollution</i> , 2013, 172, 100-107.	7.5	19
18	A QSAR-ICE-SSD model prediction of the PNECs for alkylphenol substances and application in ecological risk assessment for rivers of a megacity. <i>Environment International</i> , 2022, 167, 107367.	10.0	19

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19	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 & Technology</i> , 2022, 56, 5409-5420.	10.0	14
20	Relationship between fluorescence characteristics and molecular weight distribution of natural dissolved organic matter in Lake Hongfeng and Lake Baihua, China. <i>Science Bulletin</i> , 2006, 51, 89-96.	1.7	13
21	InÂvitro metabolic kinetics of cresyl diphenyl phosphate (CDP) in liver microsomes of crucian carp (<i>Carassius carassius</i>). <i>Environmental Pollution</i> , 2021, 274, 116586.	7.5	13
22	Thermal degradation features of soil humic acid sub-fractions in pyrolytic treatment and their relation to molecular signatures. <i>Science of the Total Environment</i> , 2020, 749, 142318.	8.0	12
23	Ultraviolet absorbance titration for the determination of conditional stability constants of Hg(II) and dissolved organic matter. <i>Diqiu Huaxue</i> , 2008, 27, 46-52.	0.5	7
24	Photochemical Reactivity of Humic Substances in an Aquatic System Revealed by Excitation-Emission Matrix Fluorescence. <i>Frontiers in Chemistry</i> , 2021, 9, 679286.	3.6	4
25	A Review on the Water Quality Criteria of Nonylphenol and the Methodological Construction for Reproduction Toxicity Endocrine Disrupting Chemicals. <i>Reviews of Environmental Contamination and Toxicology</i> , 2022, 260, 1.	1.3	4
26	Polycyclic aromatic hydrocarbons induce endothelial injury through miRâ€155 to promote atherosclerosis. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 409-421.	2.2	3
27	Molecular characteristics of biochar-derived organic matter sub-fractions extracted by ultrasonication. <i>Science of the Total Environment</i> , 2022, 806, 150190.	8.0	3
28	Thermal and spectral characterization of anaerobic thermal behavior patterns in a lacustrine sediment core. <i>Environmental Science and Pollution Research</i> , 2016, 23, 19949-19957.	5.3	2
29	Correlations between slow pyrolysis characteristics and organic carbon structure of aquatic plant biomass. <i>Environmental Science and Pollution Research</i> , 2019, 26, 17555-17566.	5.3	2
30	Surface Activity of Humic Acid and Its Sub-Fractions from Forest Soil. <i>Sustainability</i> , 2021, 13, 8122.	3.2	2
31	General Challenges and Recommendations for the Water Quality Criteria of Endocrine Disrupting Chemicals (EDCs). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2022, 108, 995-1000.	2.7	2
32	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.	5.3	1