Jianzhong Song

List of Publications by Year
in descending order

52 papers	2,780 citations	218677 26 h-index	175258 52 g-index
54 all docs	54 docs citations	54 times ranked	2817 citing authors

#	Article	IF	Citations
1	Molecular Characterization of Nitrogen-Containing Compounds in Humic-like Substances Emitted from Biomass Burning and Coal Combustion. Environmental Science & Technology, 2022, 56, 119-130.	10.0	24
2	Fluorescence characteristics of water-soluble organic carbon in atmospheric aerosolâ˜†. Environmental Pollution, 2021, 268, 115906.	7.5	49
3	Molecular weight-dependent abundance, absorption, and fluorescence characteristics of water-soluble organic matter in atmospheric aerosols. Atmospheric Environment, 2021, 247, 118159.	4.1	7
4	Triplet-state organic matter in atmospheric aerosols: Formation characteristics and potential effects on aerosol aging. Atmospheric Environment, 2021, 252, 118343.	4.1	7
5	Insight into binding characteristics of copper(II) with water-soluble organic matter emitted from biomass burning at various pH values using EEMâ€"PARAFAC and two-dimensional correlation spectroscopy analysis. Chemosphere, 2021, 278, 130439.	8.2	19
6	Chemical composition, optical properties, and oxidative potential of water- and methanol-soluble organic compounds emitted from the combustion of biomass materials and coal. Atmospheric Chemistry and Physics, 2021, 21, 13187-13205.	4.9	33
7	Transformation of m-aminophenol by birnessite (Î´-MnO2) mediated oxidative processes: Reaction kinetics, pathways and toxicity assessment. Environmental Pollution, 2020, 256, 113408.	7.5	13
8	Potential of Light Oil and Condensates from Deep Source Rocks Revealed by the Pyrolysis of Type I/II Kerogens after Oil Generation and Expulsion. Energy & Fuels, 2020, 34, 9262-9274.	5.1	3
9	Distribution and sources of DDT and its metabolites in porewater and sediment from a typical tropical bay in the South China Sea. Environmental Pollution, 2020, 267, 115492.	7.5	26
10	Identification of species and sources of atmospheric chromophores by fluorescence excitation-emission matrix with parallel factor analysis. Science of the Total Environment, 2020, 718, 137322.	8.0	65
11	Comparison of solid phase extraction methods for the measurement of humic-like substances (HULIS) in atmospheric particles. Atmospheric Environment, 2020, 225, 117370.	4.1	17
12	Light absorption and emissions inventory of humic-like substances from simulated rainforest biomass burning in Southeast Asia. Environmental Pollution, 2020, 262, 114266.	7.5	18
13	The evolutionary behavior of chromophoric brown carbon during ozone aging of fine particles from biomass burning. Atmospheric Chemistry and Physics, 2020, 20, 4593-4605.	4.9	46
14	Molecular compositions and optical properties of dissolved brown carbon in biomass burning, coal combustion, and vehicle emission aerosols illuminated by excitationâ€"emission matrix spectroscopy and Fourier transform ion cyclotron resonance mass spectrometry analysis. Atmospheric Chemistry and Physics, 2020, 20, 2513-2532.	4.9	111
15	Molecular Characterization of Water- and Methanol-Soluble Organic Compounds Emitted from Residential Coal Combustion Using Ultrahigh-Resolution Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Environmental Science & Technology, 2019, 53, 13607-13617.	10.0	69
16	Evaluation of a dichromate oxidation method for the isolation and quantification of black carbon in ancient geological samples. Organic Geochemistry, 2019, 133, 20-31.	1.8	5
17	The aging behaviors of chromophoric biomass burning brown carbon during dark aqueous hydroxyl radical oxidation processes in laboratory studies. Atmospheric Environment, 2019, 205, 9-18.	4.1	30
18	Abundance and 14C-based source assessment of carbonaceous materials in PM2.5 aerosols in Guangzhou, South China. Atmospheric Pollution Research, 2019, 10, 313-320.	3.8	3

#	ARTICLE	IF	CITATIONS
19	Abundance and Light Absorption Properties of Brown Carbon Emitted from Residential Coal Combustion in China. Environmental Science & Technology, 2019, 53, 595-603.	10.0	92
20	Influence of pyrolysis temperature and feedstock on carbon fractions of biochar produced from pyrolysis of rice straw, pine wood, pig manure and sewage sludge. Chemosphere, 2019, 218, 624-631.	8.2	148
21	Molecular characterization of primary humic-like substances in fine smoke particles by thermochemolysisâ€"gas chromatographyâ€"mass spectrometry. Atmospheric Environment, 2018, 180, 1-10.	4.1	12
22	Molecular Characterization of Water-Soluble Humic like Substances in Smoke Particles Emitted from Combustion of Biomass Materials and Coal Using Ultrahigh-Resolution Electrospray Ionization Fourier Transform Ion Cyclotron Resonance Mass Spectrometry. Environmental Science & Technology, 2018, 52, 2575-2585.	10.0	132
23	Optical properties and oxidative potential of water- and alkaline-soluble brown carbon in smoke particles emitted from laboratory simulated biomass burning. Atmospheric Environment, 2018, 194, 48-57.	4.1	41
24	Depositional environment of the Late Santonian lacustrine source rocks in the Songliao Basin (NE) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.8	38
25	Comprehensive Characterization of Biochars Produced from Three Major Crop Straws of China. BioResources, 2017, 12, .	1.0	21
26	Comprehensive characterization of humic-like substances in smoke PM&lt;sub&gt;2.5&lt;/sub&gt; emitted from the combustion of biomass materials and fossil fuels. Atmospheric Chemistry and Physics, 2016, 16, 13321-13340.	4.9	137
27	Temporal variations of the abundance and optical properties of water soluble Humic-Like Substances (HULIS) in PM2.5 at Guangzhou, China. Atmospheric Research, 2016, 172-173, 8-15.	4.1	75
28	Atmospheric depositional fluxes and sources apportionment of organochlorine pesticides in the Pearl River Delta region, South China. Environmental Monitoring and Assessment, 2014, 186, 247-256.	2.7	13
29	Comparative study for separation of atmospheric humic-like substance (HULIS) by ENVI-18, HLB, XAD-8 and DEAE sorbents: Elemental composition, FT-IR, 1H NMR and off-line thermochemolysis with tetramethylammonium hydroxide (TMAH). Chemosphere, 2013, 93, 1710-1719.	8.2	46
30	Humic Acid, Kerogen, and Black Carbon Isolated from Atmospheric Total Suspended Particulate from Guangzhou, China. Aerosol Science and Technology, 2013, 47, 1342-1352.	3.1	6
31	Chemical and Isotopic Composition of Humic-Like Substances (HULIS) in Ambient Aerosols in Guangzhou, South China. Aerosol Science and Technology, 2012, 46, 533-546.	3.1	74
32	Stability and carbon isotope changes of soot and char materials during thermal oxidation: Implication for quantification and source appointment. Chemical Geology, 2012, 330-331, 159-164.	3.3	10
33	Comparison of isolation and quantification methods to measure humic-like substances (HULIS) in atmospheric particles. Atmospheric Environment, 2012, 60, 366-374.	4.1	68
34	Characterization of Humic Acid-like Substances Extracted from Atmospheric Falling Dust Using Py-GC-MS. Aerosol and Air Quality Research, 2012, 12, 83-92.	2.1	11
35	The winter effect on formation of PCDD/Fs in Guangzhou by vehicles: A tunnel study. Atmospheric Environment, 2011, 45, 2541-2548.	4.1	21
36	Characterization of macromolecular organic matter in atmospheric dust from Guangzhou, China. Atmospheric Environment, 2011, 45, 5612-5620.	4.1	14

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37	Research on flux of dry atmospheric falling dust and its characterization in a subtropical city, Guangzhou, South China. Air Quality, Atmosphere and Health, 2010, 3, 139-147.	3.3	12
38	Seasonal and spatial changes of free and bound organic acids in total suspended particles in Guangzhou, China. Atmospheric Environment, 2010, 44, 5460-5467.	4.1	13
39	Characterisation of black carbon materials by pyrolysis–gas chromatography–mass spectrometry. Journal of Analytical and Applied Pyrolysis, 2010, 87, 129-137.	5.5	61
40	Humic Acid Molecular Weight Estimation by High‐Performance Size‐Exclusion Chromatography with Ultraviolet Absorbance Detection and Refractive Index Detection. Soil Science Society of America Journal, 2010, 74, 2013-2020.	2.2	26
41	Stable carbon isotopic compositions of organic acids in total suspended particles and dusts from Guangzhou, China. Atmospheric Research, 2010, 98, 176-182.	4.1	11
42	Surface Characterization of Aerosol Particles in Guangzhou, China: A Study by XPS. Aerosol Science and Technology, 2009, 43, 1230-1242.	3.1	35
43	Characterization of organic matter in total suspended particles by thermodesorption and pyrolysis-gas chromatography-mass spectrometry. Journal of Environmental Sciences, 2009, 21, 1658-1666.	6.1	16
44	Sedimentary record of black carbon in the Pearl River estuary and adjacent northern South China Sea. Applied Geochemistry, 2008, 23, 3464-3472.	3.0	45
45	Characterization of extractable and non-extractable polycyclic aromatic hydrocarbons in soils and sediments from the Pearl River Delta, China. Environmental Pollution, 2008, 156, 769-774.	7.5	28
46	Comparison of quantification methods to measure fire‐derived (black/elemental) carbon in soils and sediments using reference materials from soil, water, sediment and the atmosphere. Global Biogeochemical Cycles, 2007, 21, .	4.9	483
47	Distribution and loadings of polycyclic aromatic hydrocarbons in the Xijiang River in Guangdong, South China. Chemosphere, 2006, 64, 1401-1411.	8.2	87
48	Sorption of organic pollutants by marine sediments: Implication for the role of particulate organic matter. Chemosphere, 2006, 65, 2493-2501.	8.2	20
49	Nonlinear and Competitive Sorption of Apolar Compounds in Black Carbon‐Free Natural Organic Materials. Journal of Environmental Quality, 2006, 35, 1049-1059.	2.0	74
50	CHARACTERIZATION OF HUMIC ACID-LIKE MATERIAL ISOLATED FROM THE HUMIN FRACTION OF A TOPSOIL. Soil Science, 2005, 170, 599-611.	0.9	16
51	Black Carbon and Kerogen in Soils and Sediments. 2. Their Roles in Equilibrium Sorption of Less-Polar Organic Pollutants†. Environmental Science & Technology, 2004, 38, 5842-5852.	10.0	113
52	Black Carbon and Kerogen in Soils and Sediments. 1. Quantification and Characterization. Environmental Science & Technology, 2002, 36, 3960-3967.	10.0	236