Sasha Wagner

List of Publications by Year
in descending order

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Version: 2024-02-01

		394421	526287
27	1,131	19	27
papers	citations	h-index	g-index

29	29	29	1131
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. Environmental Science & Technology, 2015, 49, 13798-13806.	10.0	166
2	Dissolved black carbon in aquatic ecosystems. Limnology and Oceanography Letters, 2018, 3, 168-185.	3.9	115
3	Associations Between the Molecular and Optical Properties of Dissolved Organic Matter in the Florida Everglades, a Model Coastal Wetland System. Frontiers in Chemistry, 2015, 3, 66.	3.6	74
4	Isotopic composition of oceanic dissolved black carbon reveals non-riverine source. Nature Communications, 2019, 10, 5064.	12.8	73
5	In-stream sources and links between particulate and dissolved black carbon following a wildfire. Biogeochemistry, 2015, 124, 145-161.	3.5	66
6	Molecular Hysteresis: Hydrologically Driven Changes in Riverine Dissolved Organic Matter Chemistry During a Storm Event. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 759-774.	3.0	55
7	Effect of photodegradation on molecular size distribution and quality of dissolved black carbon. Organic Geochemistry, 2015, 86, 1-4.	1.8	52
8	The black carbon cycle and its role in the Earth system. Nature Reviews Earth & Environment, 2022, 3, 516-532.	29.7	52
9	A New Perspective on the Apparent Solubility of Dissolved Black Carbon. Frontiers in Earth Science, 2017, 5, .	1.8	51
10	Photodissolution of charcoal and fire-impacted soil as a potential source of dissolved black carbon in aquatic environments. Organic Geochemistry, 2017, 112, 16-21.	1.8	45
11	Soothsaying DOM: A Current Perspective on the Future of Oceanic Dissolved Organic Carbon. Frontiers in Marine Science, 2020, 7, .	2.5	44
12	Molecular characterization of dissolved black nitrogen via electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Organic Geochemistry, 2015, 79, 21-30.	1.8	42
13	Molecular properties of ultrafiltered dissolved organic matter and dissolved black carbon in headwater streams as determined by pyrolysis-GCâ¿¿MS. Journal of Analytical and Applied Pyrolysis, 2016, 118, 181-191.	5.5	38
14	Dissolved black carbon in the global cryosphere: Concentrations and chemical signatures. Geophysical Research Letters, 2017, 44, 6226-6234.	4.0	34
15	Online quantification and compoundâ€specific stable isotopic analysis of black carbon in environmental matrices via liquid chromatographyâ€isotope ratio mass spectrometry. Limnology and Oceanography: Methods, 2017, 15, 995-1006.	2.0	33
16	Temporal Dynamics in the Concentration, Flux, and Optical Properties of Treeâ€Derived Dissolved Organic Matter in an Epiphyteâ€Laden Oakâ€Cedar Forest. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2982-2997.	3.0	32
17	Hydrocarbons to carboxyl-rich alicyclic molecules: A continuum model to describe biodegradation of petroleum-derived dissolved organic matter in contaminated groundwater plumes. Journal of Hazardous Materials, 2021, 402, 123998.	12.4	31
18	Questions remain about the biolability of dissolved black carbon along the combustion continuum. Nature Communications, 2021, 12, 4281.	12.8	28

#	Article	IF	Citations
19	Impact of a Historical Fire Event on Pyrogenic Carbon Stocks and Dissolved Pyrogenic Carbon in Spodosols in Northern Michigan. Frontiers in Earth Science, 2017, 5, .	1.8	19
20	Dissolved black carbon in throughfall and stemflow in a fire-managed longleaf pine woodland. Biogeochemistry, 2019, 146, 191-207.	3.5	17
21	Characterization of Asphaltenes and Petroleum Using Benzenepolycarboxylic Acids (BPCAs) and Compound-Specific Stable Carbon Isotopes. Energy & Fuels, 2021, 35, 18135-18145.	5.1	14
22	Investigating Atmospheric Inputs of Dissolved Black Carbon to the Santa Barbara Channel During the Thomas Fire (California, USA). Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006442.	3.0	12
23	Du Feu Ã l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. Global Biogeochemical Cycles, 2020, 34, e2020GB006560.	4.9	11
24	Fire-derived phosphorus fertilization of African tropical forests. Nature Communications, 2021, 12, 5129.	12.8	10
25	Assessing the Role of Photochemistry in Driving the Composition of Dissolved Organic Matter in Glacier Runoff. Journal of Geophysical Research G: Biogeosciences, 2021, 126, e2021JG006516.	3.0	7
26	Measuring dissolved black carbon in water via aqueous, inorganic, high-performance liquid chromatography of benzenepolycarboxylic acid (BPCA) molecular markers. PLoS ONE, 2022, 17, e0268059.	2.5	6
27	California Wildfire Burns Boundaries Between Science and Art. Oceanography, 2020, 33, 16-19.	1.0	4