

Sasha Wagner

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,131
citations

394421

19
h-index

526287

27
g-index

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all docs

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docs citations

29
times ranked

1131
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring dissolved black carbon in water via aqueous, inorganic, high-performance liquid chromatography of benzenepolycarboxylic acid (BPCA) molecular markers. <i>PLoS ONE</i> , 2022, 17, e0268059.	2.5	6
2	The black carbon cycle and its role in the Earth system. <i>Nature Reviews Earth & Environment</i> , 2022, 3, 516-532.	29.7	52
3	Hydrocarbons to carboxyl-rich alicyclic molecules: A continuum model to describe biodegradation of petroleum-derived dissolved organic matter in contaminated groundwater plumes. <i>Journal of Hazardous Materials</i> , 2021, 402, 123998.	12.4	31
4	Questions remain about the biolability of dissolved black carbon along the combustion continuum. <i>Nature Communications</i> , 2021, 12, 4281.	12.8	28
5	Fire-derived phosphorus fertilization of African tropical forests. <i>Nature Communications</i> , 2021, 12, 5129.	12.8	10
6	Investigating Atmospheric Inputs of Dissolved Black Carbon to the Santa Barbara Channel During the Thomas Fire (California, USA). <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006442.	3.0	12
7	Characterization of Asphaltenes and Petroleum Using Benzenepolycarboxylic Acids (BPCAs) and Compound-Specific Stable Carbon Isotopes. <i>Energy & Fuels</i> , 2021, 35, 18135-18145.	5.1	14
8	Assessing the Role of Photochemistry in Driving the Composition of Dissolved Organic Matter in Glacier Runoff. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006516.	3.0	7
9	Du Feu À l'Eau: Source and Flux of Dissolved Black Carbon From the Congo River. <i>Global Biogeochemical Cycles</i> , 2020, 34, e2020GB006560.	4.9	11
10	Soothsaying DOM: A Current Perspective on the Future of Oceanic Dissolved Organic Carbon. <i>Frontiers in Marine Science</i> , 2020, 7, .	2.5	44
11	California Wildfire Burns Boundaries Between Science and Art. <i>Oceanography</i> , 2020, 33, 16-19.	1.0	4
12	Isotopic composition of oceanic dissolved black carbon reveals non-riverine source. <i>Nature Communications</i> , 2019, 10, 5064.	12.8	73
13	Molecular Hysteresis: Hydrologically Driven Changes in Riverine Dissolved Organic Matter Chemistry During a Storm Event. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2019, 124, 759-774.	3.0	55
14	Dissolved black carbon in throughfall and stemflow in a fire-managed longleaf pine woodland. <i>Biogeochemistry</i> , 2019, 146, 191-207.	3.5	17
15	Dissolved black carbon in aquatic ecosystems. <i>Limnology and Oceanography Letters</i> , 2018, 3, 168-185.	3.9	115
16	Dissolved black carbon in the global cryosphere: Concentrations and chemical signatures. <i>Geophysical Research Letters</i> , 2017, 44, 6226-6234.	4.0	34
17	Temporal Dynamics in the Concentration, Flux, and Optical Properties of Tree-Derived Dissolved Organic Matter in an Epiphyte-Laden Oak-Cedar Forest. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017, 122, 2982-2997.	3.0	32
18	Photodissolution of charcoal and fire-impacted soil as a potential source of dissolved black carbon in aquatic environments. <i>Organic Geochemistry</i> , 2017, 112, 16-21.	1.8	45

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19	Online quantification and compound-specific stable isotopic analysis of black carbon in environmental matrices via liquid chromatography-isotope ratio mass spectrometry. <i>Limnology and Oceanography: Methods</i> , 2017, 15, 995-1006.	2.0	33
20	A New Perspective on the Apparent Solubility of Dissolved Black Carbon. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	51
21	Impact of a Historical Fire Event on Pyrogenic Carbon Stocks and Dissolved Pyrogenic Carbon in Spodosols in Northern Michigan. <i>Frontiers in Earth Science</i> , 2017, 5, .	1.8	19
22	Molecular properties of ultrafiltered dissolved organic matter and dissolved black carbon in headwater streams as determined by pyrolysis-GC-MS. <i>Journal of Analytical and Applied Pyrolysis</i> , 2016, 118, 181-191.	5.5	38
23	Associations Between the Molecular and Optical Properties of Dissolved Organic Matter in the Florida Everglades, a Model Coastal Wetland System. <i>Frontiers in Chemistry</i> , 2015, 3, 66.	3.6	74
24	Molecular characterization of dissolved black nitrogen via electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Organic Geochemistry</i> , 2015, 79, 21-30.	1.8	42
25	Effect of photodegradation on molecular size distribution and quality of dissolved black carbon. <i>Organic Geochemistry</i> , 2015, 86, 1-4.	1.8	52
26	Linking the Molecular Signature of Heteroatomic Dissolved Organic Matter to Watershed Characteristics in World Rivers. <i>Environmental Science & Technology</i> , 2015, 49, 13798-13806.	10.0	166
27	In-stream sources and links between particulate and dissolved black carbon following a wildfire. <i>Biogeochemistry</i> , 2015, 124, 145-161.	3.5	66