

Andrew S Wozniak

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

2,043
citations

331642

21
h-index

395678

33
g-index

33
all docs

33
docs citations

33
times ranked

2748
citing authors

#	ARTICLE	IF	CITATIONS
1	Carbon oxidation state as a metric for describing the chemistry of atmospheric organic aerosol. <i>Nature Chemistry</i> , 2011, 3, 133-139.	13.6	890
2	Technical Note: Molecular characterization of aerosol-derived water soluble organic carbon using ultrahigh resolution electrospray ionization Fourier transform ion cyclotron resonance mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5099-5111.	4.9	200
3	The role of reactive oxygen species in the degradation of lignin derived dissolved organic matter. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 171-184.	3.9	91
4	Establishing a Measure of Reproducibility of Ultrahigh-Resolution Mass Spectra for Complex Mixtures of Natural Organic Matter. <i>Analytical Chemistry</i> , 2012, 84, 9184-9191.	6.5	85
5	Characteristics of water-soluble organic carbon associated with aerosol particles in the eastern United States. <i>Atmospheric Environment</i> , 2012, 46, 181-188.	4.1	65
6	Relationships among aerosol water soluble organic matter, iron and aluminum in European, North African, and Marine air masses from the 2010 US GEOTRACES cruise. <i>Marine Chemistry</i> , 2013, 154, 24-33.	2.3	56
7	Production and Composition of Pyrogenic Dissolved Organic Matter From a Logical Series of Laboratory-Generated Chars. <i>Frontiers in Earth Science</i> , 2018, 6, .	1.8	49
8	Monitoring food web changes in tide-restored salt marshes: A carbon stable isotope approach. <i>Estuaries and Coasts</i> , 2006, 29, 568-578.	2.2	48
9	A molecular-level approach for characterizing water-insoluble components of ambient organic aerosol particulates using ultrahigh-resolution mass spectrometry. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 10299-10314.	4.9	44
10	Aerosol water soluble organic matter characteristics over the North Atlantic Ocean: Implications for iron-binding ligands and iron solubility. <i>Marine Chemistry</i> , 2015, 173, 162-172.	2.3	43
11	Distinguishing molecular characteristics of aerosol water soluble organic matter from the 2011 trans-North Atlantic US GEOTRACES cruise. <i>Atmospheric Chemistry and Physics</i> , 2014, 14, 8419-8434.	4.9	41
12	Detailed Source-Specific Molecular Composition of Ambient Aerosol Organic Matter Using Ultrahigh Resolution Mass Spectrometry and ¹ H NMR. <i>Atmosphere</i> , 2016, 7, 79.	2.3	33
13	Molecular heterogeneity in pyrogenic dissolved organic matter from a thermal series of oak and grass chars. <i>Organic Geochemistry</i> , 2020, 148, 104065.	1.8	32
14	Photolability of pyrogenic dissolved organic matter from a thermal series of laboratory-prepared chars. <i>Science of the Total Environment</i> , 2020, 724, 138198.	8.0	31
15	Identifying oil/marine snow associations in mesocosm simulations of the Deepwater Horizon oil spill event using solid-state ¹³ C NMR spectroscopy. <i>Marine Pollution Bulletin</i> , 2018, 126, 159-165.	5.0	29
16	Distribution of transparent exopolymer particles (TEP) across an organic carbon gradient in the western North Atlantic Ocean. <i>Marine Chemistry</i> , 2017, 190, 1-12.	2.3	26
17	The role of microbially-mediated exopolymeric substances (EPS) in regulating Macondo oil transport in a mesocosm experiment. <i>Marine Chemistry</i> , 2018, 206, 52-61.	2.3	26
18	Multiproxy probing of rainwater dissolved organic matter (DOM) composition in coastal storms as a function of trajectory. <i>Marine Chemistry</i> , 2013, 154, 67-76.	2.3	25

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19	Photochemistry after fire: Structural transformations of pyrogenic dissolved organic matter elucidated by advanced analytical techniques. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 271-292.	3.9	25
20	Decreased sedimentation efficiency of petro- and non-petro-carbon caused by a dispersant for Macondo surrogate oil in a mesocosm simulating a coastal microbial community. <i>Marine Chemistry</i> , 2018, 206, 34-43.	2.3	24
21	Fossil and contemporary aerosol particulate organic carbon in the eastern United States: Implications for deposition and inputs to watersheds. <i>Global Biogeochemical Cycles</i> , 2011, 25, n/a-n/a.	4.9	22
22	Rapid Degradation of Oil in Mesocosm Simulations of Marine Oil Snow Events. <i>Environmental Science & Technology</i> , 2019, 53, 3441-3450.	10.0	21
23	Isotopic characterization of aerosol organic carbon components over the eastern United States. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	20
24	Abiotic synthesis of graphite in hydrothermal vents. <i>Nature Communications</i> , 2019, 10, 5179.	12.8	14
25	Microbial labilization and diversification of pyrogenic dissolved organic matter. <i>Biogeosciences</i> , 2022, 19, 1491-1514.	3.3	14
26	Molecular characteristics of the water soluble organic matter in size-fractionated aerosols collected over the North Atlantic Ocean. <i>Marine Chemistry</i> , 2015, 170, 37-48.	2.3	13
27	Transatlantic movements of juvenile Atlantic bluefin tuna inferred from analyses of organochlorine tracers. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2015, 72, 625-633.	1.4	13
28	A Preliminary Assessment of Fossil Fuel and Terrigenous Influences to Rainwater Organic Matter in Summertime in the Northern Gulf of Mexico. <i>Aquatic Geochemistry</i> , 2017, 23, 217-231.	1.3	9
29	Improved method for quantifying the air-sea flux of volatile and semi-volatile organic carbon. <i>Limnology and Oceanography: Methods</i> , 2013, 11, 287-297.	2.0	7
30	Connecting the Age and Reactivity of Organic Carbon to Watershed Geology and Land Use in Tributaries of the Hudson River. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2021, 126, e2021JG006494.	3.0	2
31	Correction to "Isotopic characterization of aerosol organic carbon components over the eastern United States". <i>Journal of Geophysical Research</i> , 2012, 117, n/a-n/a.	3.3	1
32	Aggregation and Degradation of Dispersants and Oil by Microbial Exopolymers (ADDOMEx): Toward a Synthesis of Processes and Pathways of Marine Oil Snow Formation in Determining the Fate of Hydrocarbons. <i>Frontiers in Marine Science</i> , 2021, 8, .	2.5	1