Amanda M Grannas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Organics in Snow and Ice: Don't Eat the Yellow Snow. , 2022, , 571-619.		0
2	Triclosan export from low-volume sources in an urban to rural watershed. Science of the Total Environment, 2020, 712, 135380.	8.0	4
3	Metal sorption studies biased by filtration of insoluble metal oxides and hydroxides. Science of the Total Environment, 2019, 646, 1433-1439.	8.0	13
4	Surface-promoted hydrolysis of 2,4,6-trinitrotoluene and 2,4-dinitroanisole on pyrogenic carbonaceous matter. Chemosphere, 2018, 197, 603-610.	8.2	14
5	Photo-biochemical transformation of dissolved organic matter on the surface of the coastal East Antarctic ice sheet. Biogeochemistry, 2018, 141, 229-247.	3.5	21
6	Molecular Insights on Dissolved Organic Matter Transformation by Supraglacial Microbial Communities. Environmental Science & Technology, 2017, 51, 4328-4337.	10.0	74
7	Photochemistry of Organic Pollutants in/on Snow and Ice. From Pole To Pole, 2016, , 41-58.	0.1	1
8	Partial Decay of Thiamine Signal Transduction Pathway Alters Growth Properties of Candida glabrata. PLoS ONE, 2016, 11, e0152042.	2.5	8
9	Photochemical Production of Singlet Oxygen from Dissolved Organic Matter in Ice. Environmental Science & Technology, 2015, 49, 12808-12815.	10.0	34
10	Role of Dissolved Organic Matter in Ice Photochemistry. Environmental Science & Technology, 2014, 48, 10725-10733.	10.0	41
11	Origin and Sources of Dissolved Organic Matter in Snow on the East Antarctic Ice Sheet. Environmental Science & Technology, 2014, 48, 6151-6159.	10.0	127
12	The role of the global cryosphere in the fate of organic contaminants. Atmospheric Chemistry and Physics, 2013, 13, 3271-3305.	4.9	128
13	Characterization of dissolved organic matter from a Greenland ice core by nanospray ionization Fourier transform ion cyclotron resonance mass spectrometry. Journal of Glaciology, 2013, 59, 225-232.	2.2	2
14	Organics in environmental ices: sources, chemistry, and impacts. Atmospheric Chemistry and Physics, 2012, 12, 9653-9678.	4.9	110
15	Frost flowers growing in the Arctic oceanâ€atmosphere–sea ice–snow interface: 1. Chemical composition. Journal of Geophysical Research, 2012, 117, .	3.3	53
16	The role of dissolved organic matter in arctic surface waters in the photolysis of hexachlorobenzene and lindane. Journal of Geophysical Research, 2012, 117, .	3.3	18
17	Carbonaceous species and humic like substances (HULIS) in Arctic snowpack during OASIS field campaign in Barrow. Journal of Geophysical Research, 2012, 117, .	3.3	49
18	A solid-phase chemical actinometer film for measurement of solar UV penetration into snowpack. Cold Regions Science and Technology, 2011, 66, 75-83.	3.5	10

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19	Photochemical processing of aldrin and dieldrin in frozen aqueous solutions under arctic field conditions. Environmental Pollution, 2011, 159, 1076-1084.	7.5	23
20	So These Numbers Really Mean Something? A Role Playing Scenario-Based Approach to the Undergraduate Instrumental Analysis Laboratory. Journal of Chemical Education, 2010, 87, 416-418.	2.3	10
21	An overview of snow photochemistry: evidence, mechanisms and impacts. Atmospheric Chemistry and Physics, 2007, 7, 4329-4373.	4.9	554
22	The transformation and mobility of charcoal in a fire-impacted watershed. Geochimica Et Cosmochimica Acta, 2007, 71, 3432-3445.	3.9	238
23	Enhanced Aqueous Photochemical Reaction Rates after Freezing. Journal of Physical Chemistry A, 2007, 111, 11043-11049.	2.5	75
24	New revelations on the nature of organic matter in ice cores. Journal of Geophysical Research, 2006, 111, .	3.3	84
25	Direct molecular evidence for the degradation and mobility of black carbon in soils from ultrahigh-resolution mass spectral analysis of dissolved organic matter from a fire-impacted forest soil. Organic Geochemistry, 2006, 37, 501-510.	1.8	312
26	Hydroxyl Radical Production from Irradiated Arctic Dissolved Organic Matter. Biogeochemistry, 2006, 78, 51-66.	3.5	34
27	Photochemistry and nature of organic matter in Arctic and Antarctic snow. Global Biogeochemical Cycles, 2004, 18, n/a-n/a.	4.9	123
28	Atmospheric chemistry of formaldehyde in the Arctic troposphere at Polar Sunrise, and the influence of the snowpack. Atmospheric Environment, 2002, 36, 2553-2562.	4.1	103
29	Snowpack processing of acetaldehyde and acetone in the Arctic atmospheric boundary layer. Atmospheric Environment, 2002, 36, 2743-2752.	4.1	90
30	Acetaldehyde and acetone in the Arctic snowpack during the ALERT2000 campaign. Snowpack composition, incorporation processes and atmospheric impact. Atmospheric Environment, 2002, 36, 2609-2618.	4.1	60
31	Processes and properties of snow–air transfer in the high Arctic with application to interstitial ozone at Alert, Canada. Atmospheric Environment, 2002, 36, 2779-2787.	4.1	108
32	Distribution and trends of oxygenated hydrocarbons in the high Arctic derived from measurements in the atmospheric boundary layer and interstitial snow air during the ALERT2000 field campaign. Atmospheric Environment, 2002, 36, 2573-2583.	4.1	82
33	Molecular halogens before and during ozone depletion events in the Arctic at polar sunrise: concentrations and sources. Atmospheric Environment, 2002, 36, 2721-2731.	4.1	113
34	A study of photochemical and physical processes affecting carbonyl compounds in the Arctic atmospheric boundary layer. Atmospheric Environment, 2002, 36, 2733-2742.	4.1	97
35	[3.3.1]PROPELLANE-2,8-DIONE. SYNTHESIS AND STRUCTURE. Organic Preparations and Procedures International, 1998, 30, 235-238.	1.3	2