Yuan Gao

List of Publications by Year
in descending order

29 papers	1,203 citations	430874 18 h-index	501196 28 g-index
29 all docs	29 docs citations	29 times ranked	1658 citing authors

#	Article	IF	Citations
1	Characterization of microplastics in indoor and ambient air in northern New Jersey. Environmental Research, 2022, 207, 112142.	7.5	78
2	Aerosol iron speciation and seasonal variation of iron oxidation state over the western Antarctic Peninsula. Science of the Total Environment, 2022, 824, 153890.	8.0	5
3	Molecular markers for fungal spores and biogenic SOA over the Antarctic Peninsula: Field measurements and modeling results. Science of the Total Environment, 2021, 762, 143089.	8.0	7
4	Distributions of water-soluble ions in size-aggregated aerosols over the Southern Ocean and coastal Antarctica. Environmental Sciences: Processes and Impacts, 2021, 23, 1316-1327.	3.5	2
5	Concentrations, particle-size distributions, and dry deposition fluxes of aerosol trace elements over the Antarctic Peninsula in austral summer. Atmospheric Chemistry and Physics, 2021, 21, 2105-2124.	4.9	10
6	Changing atmospheric acidity as a modulator of nutrient deposition and ocean biogeochemistry. Science Advances, 2021, 7, .	10.3	39
7	Concentrations and size-distributions of water-soluble inorganic and organic species on aerosols over the Arctic Ocean observed during the US GEOTRACES Western Arctic Cruise GN01. Atmospheric Environment, 2021, 261, 118569.	4.1	2
8	Enrichment of calcium in sea spray aerosol in the Arctic summer atmosphere. Marine Chemistry, 2020, 227, 103898.	2.3	8
9	Particleâ€Size Distributions and Solubility of Aerosol Iron Over the Antarctic Peninsula During Austral Summer. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032082.	3.3	18
10	Pyrogenic iron: The missing link to high iron solubility in aerosols. Science Advances, 2019, 5, eaau7671.	10.3	128
11	Particle-Size Variability of Aerosol Iron and Impact on Iron Solubility and Dry Deposition Fluxes to the Arctic Ocean. Scientific Reports, 2019, 9, 16653.	3.3	25
12	Insignificant impact of freezing and compaction on iron solubility in natural snow. Journal of Atmospheric Chemistry, 2018, 75, 247-270.	3.2	0
13	Enhanced Iron Solubility at Low pH in Global Aerosols. Atmosphere, 2018, 9, 201.	2.3	30
14	Anthropogenic influences on aerosols at Ny-Ã…lesund in the summer Arctic. Atmospheric Pollution Research, 2017, 8, 383-393.	3.8	8
15	Characterization of Atmospheric Iron Speciation and Acid Processing at Metropolitan Newark on the US East Coast. Atmosphere, 2017, 8, 66.	2.3	5
16	Effects of ship emissions on summertime aerosols at Nyâ€“Alesund in the Arctic. Atmospheric Pollution Research, 2014, 5, 500-510.	3.8	44
17	Atmospheric trace elements in aerosols observed over the Southern Ocean and coastal East Antarctica. Polar Research, 2014, 33, 23973.	1.6	29
18	Evaluation of air pollution, local meteorology and urban public health. International Journal of Environmental Technology and Management, 2013, 16, 160.	0.2	3

#	Article	IF	Citations
19	Characteristics of waterâ€soluble inorganic and organic ions in aerosols over the Southern Ocean and coastal East Antarctica during austral summer. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,303.	3.3	47
20	Methods for the sampling and analysis of marine aerosols: results from the 2008 GEOTRACES aerosol intercalibration experiment. Limnology and Oceanography: Methods, 2013, 11, 62-78.	2.0	100
21	Iron speciation in urban dust. Atmospheric Environment, 2011, 45, 4528-4532.	4.1	24
22	Aeolian iron mobilisation by dust - acid interactions and their implications for soluble iron deposition to the ocean: a test involving potential anthropogenic organic acidic species. Environmental Chemistry, 2010, 7, 153.	1.5	28
23	Chemical composition and size distributions of coastal aerosols observed on the US East Coast. Marine Chemistry, 2010, 119, 77-90.	2.3	47
24	Chemical characteristics of precipitation at metropolitan Newark in the US East Coast. Atmospheric Environment, 2009, 43, 4903-4913.	4.1	89
25	Mass size distributions of water-soluble inorganic and organic ions in size-segregated aerosols over metropolitan Newark in the US east coast. Atmospheric Environment, 2008, 42, 4063-4078.	4.1	81
26	Acidic species and chloride depletion in coarse aerosol particles in the US east coast. Science of the Total Environment, 2008, 407, 541-547.	8.0	64
27	Characterization of hematite dissolution affected by oxalate coating, kinetics and pH. Applied Geochemistry, 2008, 23, 783-793.	3.0	52
28	Aeolian iron input to the ocean through precipitation scavenging: A modeling perspective and its implication for natural iron fertilization in the ocean. Journal of Geophysical Research, 2003, 108, .	3.3	125
29	Characteristics of Chinese aerosols determined by individual-particle analysis. Journal of Geophysical Research, 2001, 106, 18037-18045.	3.3	105