Andrew Richard Whitehill

List of Publications by Year
in descending order

22	681	687363 13	677142 22
papers	citations	h-index	g-index

27	27	27	1025
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Vibronic origin of sulfur mass-independent isotope effect in photoexcitation of SO ₂ and the implications to the early earthâ€™s atmosphere. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17697-17702.	7.1	88
2	An Odd Oxygen Framework for Wintertime Ammonium Nitrate Aerosol Pollution in Urban Areas: NO_x and VOC Control as Mitigation Strategies. Geophysical Research Letters, 2019, 46, 4971-4979.	4.0	80
3	Contribution of isotopologue selfâ€shielding to sulfur massâ€independent fractionation during sulfur dioxide photolysis. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2444-2454.	3.3	78
4	Excitation band dependence of sulfur isotope mass-independent fractionation during photochemistry of sulfur dioxide using broadband light sources. Geochimica Et Cosmochimica Acta, 2012, 94, 238-253.	3.9	75
5	SO₂ photolysis as a source for sulfur mass-independent isotope signatures in stratospehric aerosols. Atmospheric Chemistry and Physics, 2015, 15, 1843-1864.	4.9	64
6	Investigation of factors controlling PM2.5 variability across the South Korean Peninsula during KORUS-AQ. Elementa, 2020, 8, .	3.2	44
7	Supercritical Water Oxidation as an Innovative Technology for PFAS Destruction. Journal of Environmental Engineering, ASCE, 2022, 148, .	1.4	37
8	The first evaluation of formaldehyde column observations by improved Pandora spectrometers during the KORUS-AQ field study. Atmospheric Measurement Techniques, 2018, 11, 4943-4961.	3.1	34
9	Clumped isotope effects during OH and Cl oxidation of methane. Geochimica Et Cosmochimica Acta, 2017, 196, 307-325.	3.9	33
10	Development of a Spectroscopic Technique for Continuous Online Monitoring of Oxygen and Site-Specific Nitrogen Isotopic Composition of Atmospheric Nitrous Oxide. Analytical Chemistry, 2014, 86, 1726-1734.	6.5	28
11	Developing innovative treatment technologies for PFAS-containing wastes. Journal of the Air and Waste Management Association, 2022, 72, 540-555.	1.9	23
12	Millimeter-wave optical double resonance schemes for rapid assignment of perturbed spectra, with applications to the C̃*f* 1B2 state of SO2. Journal of Chemical Physics, 2015, 142, 144201.	3.0	18
13	Changes in Ozone Chemical Sensitivity in the United States from 2007 to 2016. ACS Environmental Au, 2022, 2, 206-222.	7.0	16
14	Comparison of ozone measurement methods in biomass burning smoke: an evaluation under field and laboratory conditions. Atmospheric Measurement Techniques, 2021, 14, 1783-1800.	3.1	15
15	Factors controlling surface ozone in the Seoul Metropolitan Area during the KORUS-AQ campaign. Elementa, 2020, 8, .	3.2	11
16	Volatile Organic Compound Emissions from Prescribed Burning in Tallgrass Prairie Ecosystems. Atmosphere, 2019, 10, 464.	2.3	9
17	Characteristics of HONO and its impact on O3 formation in the Seoul Metropolitan Area during the Korea-US Air Quality study. Atmospheric Environment, 2021, 247, 118182.	4.1	7
18	Effect of polyoxymethylene (POM-H Delrin) off-gassing within the Pandora head sensor on direct-sun and multi-axis formaldehyde column measurements in 2016â€“2019. Atmospheric Measurement Techniques, 2021, 14, 647-663.	3.1	6

#	Article	IF	Citations
19	Can Column Formaldehyde Observations Inform Air Quality Monitoring Strategies for Ozone and Related Photochemical Oxidants?. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	3.3	5
20	Uncertainty in collocated mobile measurements of air quality. Atmospheric Environment: X, 2020, 7, 100080.	1.4	4
21	Corrigendum to "SO₂ photolysis as a source for sulfur mass-independent isotope signatures in stratospheric aerosols" published in Atmos. Chem. Phys., 15, 1843â€“1864, 2015. Atmospheric Chemistry and Physics, 2015, 15, 2569-2569.	4.9	2
22	Evaluation of Cairpol and Aeroqual Air Sensors in Biomass Burning Plumes. Atmosphere, 2022, 13, 877.	2.3	1