Anusha Priyadarshani Silva Hettiyadura

List of Publications by Year
in descending order

19 papers	656 citations	623574 14 h-index	794469 19 g-index
19 all docs	19 docs citations	19 times ranked	899 citing authors

#	Article	IF	Citations
1	Quantitative analysis of polycyclic aromatic hydrocarbons using highâ€performance liquid chromatographyâ€photodiode arrayâ€highâ€resolution mass spectrometric detection platform coupled to electrospray and atmospheric pressure photoionization sources. Journal of Mass Spectrometry, 2022, 57, e4804.	0.7	10
2	Atmospheric Brown Carbon on the Tibetan Plateau: Regional Differences in Chemical Composition and Light Absorption Properties. Environmental Science and Technology Letters, 2022, 9, 219-225.	3.9	9
3	Molecular Characterization of Water-Soluble Brown Carbon Chromophores in Snowpack from Northern Xinjiang, China. Environmental Science & Technology, 2022, 56, 4173-4186.	4.6	17
4	Molecular Analysis of Secondary Brown Carbon Produced from the Photooxidation of Naphthalene. Environmental Science & Technology, 2022, 56, 3340-3353.	4.6	22
5	Optical Properties of Secondary Organic Aerosol Produced by Photooxidation of Naphthalene under NOx Condition. Environmental Science & Technology, 2022, 56, 4816-4827.	4.6	20
6	Chemical Composition and Molecular-Specific Optical Properties of Atmospheric Brown Carbon Associated with Biomass Burning. Environmental Science & Technology, 2021, 55, 2511-2521.	4.6	58
7	Photosensitized Reactions of a Phenolic Carbonyl from Wood Combustion in the Aqueous Phaseâ€"Chemical Evolution and Light Absorption Properties of AqSOA. Environmental Science & Technology, 2021, 55, 5199-5211.	4.6	36
8	Measurement report: Molecular composition, optical properties, and radiative effects of water-soluble organic carbon in snowpack samples from northern Xinjiang, China. Atmospheric Chemistry and Physics, 2021, 21, 8531-8555.	1.9	15
9	Molecular-Level Study of the Photo-Oxidation of Aqueous-Phase Guaiacyl Acetone in the Presence of ³C*: Formation of Brown Carbon Products. ACS Earth and Space Chemistry, 2021, 5, 1983-1996.	1.2	15
10	Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of Î²-Caryophyllene: Measurements, Predictions, and Implications. ACS Earth and Space Chemistry, 2021, 5, 305-318.	1.2	32
11	Viscosity and liquidâ€"liquid phase separation in healthy and stressed plant SOA. Environmental Science Atmospheres, 2021, 1, 140-153.	0.9	14
12	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO₃ Radical Reactions. Environmental Science & Technology, 2020, 54, 1395-1405.	4.6	96
13	Regional Differences of Chemical Composition and Optical Properties of Aerosols in the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD031226.	1.2	16
14	Molecular Composition and the Optical Properties of Brown Carbon Generated by the Ethane Flame. ACS Earth and Space Chemistry, 2020, 4, 1090-1103.	1.2	24
15	Organosulfates in Atlanta, Georgia: anthropogenic influences on biogenic secondary organic aerosol formation. Atmospheric Chemistry and Physics, 2019, 19, 3191-3206.	1.9	68
16	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. Environmental Science & Technology, 2019, 53, 5176-5186.	4.6	41
17	Source apportionment of fine particulate matter in Houston, Texas: insights to secondary organic aerosols. Atmospheric Chemistry and Physics, 2018, 18, 15601-15622.	1.9	34
18	Qualitative and quantitative analysis of atmospheric organosulfates in Centreville, Alabama. Atmospheric Chemistry and Physics, 2017, 17, 1343-1359.	1.9	75

#	Article	IF	Citations
19	Water Uptake and Hygroscopic Growth of Organosulfate Aerosol. Environmental Science & Technology, 2016, 50, 4259-4268.	4.6	54