

Anusha Priyadarshani Silva Hettiyadura

List of Publications by Year in descending order

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19
papers

656
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623734

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899
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#	ARTICLE	IF	CITATIONS
1	Formation of Secondary Brown Carbon in Biomass Burning Aerosol Proxies through NO ₃ Radical Reactions. <i>Environmental Science & Technology</i> , 2020, 54, 1395-1405.	10.0	96
2	Qualitative and quantitative analysis of atmospheric organosulfates in Centreville, Alabama. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 1343-1359.	4.9	75
3	Organosulfates in Atlanta, Georgia: anthropogenic influences on biogenic secondary organic aerosol formation. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 3191-3206.	4.9	68
4	Chemical Composition and Molecular-Specific Optical Properties of Atmospheric Brown Carbon Associated with Biomass Burning. <i>Environmental Science & Technology</i> , 2021, 55, 2511-2521.	10.0	58
5	Water Uptake and Hygroscopic Growth of Organosulfate Aerosol. <i>Environmental Science & Technology</i> , 2016, 50, 4259-4268.	10.0	54
6	Response of the Aerodyne Aerosol Mass Spectrometer to Inorganic Sulfates and Organosulfur Compounds: Applications in Field and Laboratory Measurements. <i>Environmental Science & Technology</i> , 2019, 53, 5176-5186.	10.0	41
7	Photosensitized Reactions of a Phenolic Carbonyl from Wood Combustion in the Aqueous Phase—Chemical Evolution and Light Absorption Properties of AqSOA. <i>Environmental Science & Technology</i> , 2021, 55, 5199-5211.	10.0	36
8	Source apportionment of fine particulate matter in Houston, Texas: insights to secondary organic aerosols. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15601-15622.	4.9	34
9	Humidity-Dependent Viscosity of Secondary Organic Aerosol from Ozonolysis of Î ² -Caryophyllene: Measurements, Predictions, and Implications. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 305-318.	2.7	32
10	Molecular Composition and the Optical Properties of Brown Carbon Generated by the Ethane Flame. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1090-1103.	2.7	24
11	Molecular Analysis of Secondary Brown Carbon Produced from the Photooxidation of Naphthalene. <i>Environmental Science & Technology</i> , 2022, 56, 3340-3353.	10.0	22
12	Optical Properties of Secondary Organic Aerosol Produced by Photooxidation of Naphthalene under NO _x Condition. <i>Environmental Science & Technology</i> , 2022, 56, 4816-4827.	10.0	20
13	Molecular Characterization of Water-Soluble Brown Carbon Chromophores in Snowpack from Northern Xinjiang, China. <i>Environmental Science & Technology</i> , 2022, 56, 4173-4186.	10.0	17
14	Regional Differences of Chemical Composition and Optical Properties of Aerosols in the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031226.	3.3	16
15	Measurement report: Molecular composition, optical properties, and radiative effects of water-soluble organic carbon in snowpack samples from northern Xinjiang, China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8531-8555.	4.9	15
16	Molecular-Level Study of the Photo-Oxidation of Aqueous-Phase Guaiacyl Acetone in the Presence of NO ₃ : Formation of Brown Carbon Products. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 1983-1996.	2.7	15
17	Viscosity and liquid-liquid phase separation in healthy and stressed plant SOA. <i>Environmental Science Atmospheres</i> , 2021, 1, 140-153.	2.4	14
18	Quantitative analysis of polycyclic aromatic hydrocarbons using high-performance liquid chromatography-photodiode array-high-resolution mass spectrometric detection platform coupled to electrospray and atmospheric pressure photoionization sources. <i>Journal of Mass Spectrometry</i> , 2022, 57, e4804.	1.6	10

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19	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.	8.7	9