

Yuzhi Chen

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

877
citations

567281

15
h-index

794594

19
g-index

20
all docs

20
docs citations

20
times ranked

1069
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of the Aerosol-Phase State on Secondary Organic Aerosol Formation from the Reactive Uptake of Isoprene-Derived Epoxydiols (IEPOX). <i>Environmental Science and Technology Letters</i> , 2018, 5, 167-174.	8.7	131
2	Increasing Isoprene Epoxydiol-to-Inorganic Sulfate Aerosol Ratio Results in Extensive Conversion of Inorganic Sulfate to Organosulfur Forms: Implications for Aerosol Physicochemical Properties. <i>Environmental Science & Technology</i> , 2019, 53, 8682-8694.	10.0	111
3	Chemical Characterization of Secondary Organic Aerosol from Oxidation of Isoprene Hydroxyhydroperoxides. <i>Environmental Science & Technology</i> , 2016, 50, 9889-9899.	10.0	105
4	Joint Impacts of Acidity and Viscosity on the Formation of Secondary Organic Aerosol from Isoprene Epoxydiols (IEPOX) in Phase Separated Particles. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2646-2658.	2.7	80
5	Development of a hydrophilic interaction liquid chromatography (HILIC) method for the chemical characterization of water-soluble isoprene epoxydiol (IEPOX)-derived secondary organic aerosol. <i>Environmental Sciences: Processes and Impacts</i> , 2018, 20, 1524-1536.	3.5	66
6	Isoprene-Derived Secondary Organic Aerosol Induces the Expression of Oxidative Stress Response Genes in Human Lung Cells. <i>Environmental Science and Technology Letters</i> , 2016, 3, 250-254.	8.7	60
7	Photochemical Cloud Processing of Primary Wildfire Emissions as a Potential Source of Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2018, 52, 11027-11037.	10.0	44
8	Heterogeneous Hydroxyl Radical Oxidation of Isoprene-Epoxydiol-Derived Methyltetrol Sulfates: Plausible Formation Mechanisms of Previously Unexplained Organosulfates in Ambient Fine Aerosols. <i>Environmental Science and Technology Letters</i> , 2020, 7, 460-468.	8.7	43
9	Predicting secondary organic aerosol phase state and viscosity and its effect on multiphase chemistry in a regional-scale air quality model. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8201-8225.	4.9	42
10	The Cooling Rate- and Volatility-Dependent Glass-Forming Properties of Organic Aerosols Measured by Broadband Dielectric Spectroscopy. <i>Environmental Science & Technology</i> , 2019, 53, 12366-12378.	10.0	37
11	Reactive Uptake of Isoprene Epoxydiols Increases the Viscosity of the Core of Phase-Separated Aerosol Particles. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 1402-1414.	2.7	35
12	Toxicological Responses of α -Pinene-Derived Secondary Organic Aerosol and Its Molecular Tracers in Human Lung Cell Lines. <i>Chemical Research in Toxicology</i> , 2021, 34, 817-832.	3.3	23
13	α -Pinene-Derived organic coatings on acidic sulfate aerosol impacts secondary organic aerosol formation from isoprene in a box model. <i>Atmospheric Environment</i> , 2019, 213, 456-462.	4.1	21
14	Differential responses to e-cig generated aerosols from humectants and different forms of nicotine in epithelial cells from nonsmokers and smokers. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L1064-L1073.	2.9	19
15	Chemical characterization of organosulfates from the hydroxyl radical-initiated oxidation and ozonolysis of cis-3-hexen-1-ol. <i>Atmospheric Environment</i> , 2017, 162, 141-151.	4.1	17
16	Seasonal Contribution of Isoprene-Derived Organosulfates to Total Water-Soluble Fine Particulate Organic Sulfur in the United States. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2419-2432.	2.7	16
17	Morphology and Viscosity Changes after Reactive Uptake of Isoprene Epoxydiols in Submicrometer Phase Separated Particles with Secondary Organic Aerosol Formed from Different Volatile Organic Compounds. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 871-882.	2.7	11
18	Initial pH Governs Secondary Organic Aerosol Phase State and Morphology after Uptake of Isoprene Epoxydiols (IEPOX). <i>Environmental Science & Technology</i> , 2022, 56, 10596-10607.	10.0	9

#	ARTICLE	IF	CITATIONS
19	Assessment of SAPRC07 with updated isoprene chemistry against outdoor chamber experiments. Atmospheric Environment, 2015, 105, 109-120.	4.1	7