Yuzhi Chen

List of Publications by Year
in descending order

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19	877	567281 15	794594 19
papers	citations	h-index	g-index

20	20	20	1069
all docs	docs citations	times ranked	citing authors

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

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