Sathiyamurthi Ramasamy

List of Publications by Year
in descending order

17 papers	377 citations	1040056 9 h-index	940533 16 g-index
17 all docs	17 docs citations	17 times ranked	680 citing authors

#	Article	IF	Citations
1	Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitationâ€“Emission Matrix Spectroscopy. Environmental Science & Technology, 2016, 50, 10351-10360.	10.0	139
2	Selective sensing of Hg2+ ions by optical and colorimetric methods using gold nanorods embedded in a functionalized silicate solâ€“gel matrix. Journal of Materials Chemistry A, 2014, 2, 8918.	10.3	53
3	Aerosol Liquid Water Promotes the Formation of Water-Soluble Organic Nitrogen in Submicrometer Aerosols in a Suburban Forest. Environmental Science & Technology, 2020, 54, 1406-1414.	10.0	33
4	Source contributions to multiple toxic potentials of atmospheric organic aerosols. Science of the Total Environment, 2021, 773, 145614.	8.0	30
5	Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. Atmospheric Environment, 2016, 131, 41-54.	4.1	21
6	Temperature and acidity dependence of secondary organic aerosol formation from <i>Î±</i>-pinene ozonolysis with a compact chamber system. Atmospheric Chemistry and Physics, 2021, 21, 5983-6003.	4.9	17
7	Studying volatility from composition, dilution, and heating measurements of secondary organic aerosols formed during <i>Î±</i>-pinene ozonolysis. Atmospheric Chemistry and Physics, 2018, 18, 5455-5466.	4.9	16
8	Kinetics and impacting factors of HO₂ uptake onto submicron atmospheric aerosols during the 2019 Air QUAlity Study (AQUAS) in Yokohama, Japan. Atmospheric Chemistry and Physics, 2021, 21, 12243-12260.	4.9	16
9	Investigation of dark condition nitrate radical- and ozone-initiated aging of toluene secondary organic aerosol: Importance of nitrate radical reactions with phenolic products. Atmospheric Environment, 2019, 219, 117049.	4.1	14
10	Four- and Five-Carbon Dicarboxylic Acids Present in Secondary Organic Aerosol Produced from Anthropogenic and Biogenic Volatile Organic Compounds. Atmosphere, 2021, 12, 1703.	2.3	9
11	Comprehensive measurements of atmospheric OH reactivity and trace species within a suburban forest near Tokyo during AQUAS-TAMA campaign. Atmospheric Environment, 2018, 184, 166-176.	4.1	7
12	Modeling the Effects of Dimerization and Bulk Diffusion on the Evaporative Behavior of Secondary Organic Aerosol Formed from Î±-Pinene and 1,3,5-Trimethylbenzene. ACS Earth and Space Chemistry, 2020, 4, 1931-1946.	2.7	7
13	Investigation of OH-reactivity budget in the isoprene, Î±-pinene and m-xylene oxidation with OH under high NOx conditions. Atmospheric Environment, 2022, 271, 118916.	4.1	6
14	Structural Characterisation of Dimeric Esters in Î±-Pinene Secondary Organic Aerosol Using N2 and CO2 Ion Mobility Mass Spectrometry. Atmosphere, 2021, 12, 17.	2.3	5
15	Missing ozone-induced potential aerosol formation in a suburban deciduous forest. Atmospheric Environment, 2017, 171, 91-97.	4.1	2
16	A quantitative understanding of total OH reactivity and ozone production in a coastal industrial area during the Yokohama air quality study (AQUAS) campaign of summer 2019. Atmospheric Environment, 2021, 267, 118754.	4.1	2
17	Nitrate radical, ozone and hydroxyl radical initiated aging of limonene secondary organic aerosol. Atmospheric Environment: X, 2021, 9, 100102.	1.4	0