

Sathiyamurthi Ramasamy

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

377
citations

1040056

9
h-index

940533

16
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17
all docs

17
docs citations

17
times ranked

680
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Investigation of OH-reactivity budget in the isoprene, α -pinene and m-xylene oxidation with OH under high NO _x conditions. <i>Atmospheric Environment</i> , 2022, 271, 118916. | 4.1 | 6 |
| 2 | Temperature and acidity dependence of secondary organic aerosol formation from α -pinene ozonolysis with a compact chamber system. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5983-6003. | 4.9 | 17 |
| 3 | Source contributions to multiple toxic potentials of atmospheric organic aerosols. <i>Science of the Total Environment</i> , 2021, 773, 145614. | 8.0 | 30 |
| 4 | Kinetics and impacting factors of HO ₂ uptake onto submicron atmospheric aerosols during the 2019 Air QUALity Study (AQUAS) in Yokohama, Japan. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 12243-12260. | 4.9 | 16 |
| 5 | 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. <i>Atmospheric Environment</i> , 2021, 267, 118754. | 4.1 | 2 |
| 6 | Nitrate radical, ozone and hydroxyl radical initiated aging of limonene secondary organic aerosol. <i>Atmospheric Environment: X</i> , 2021, 9, 100102. | 1.4 | 0 |
| 7 | Structural Characterisation of Dimeric Esters in α -Pinene Secondary Organic Aerosol Using N ₂ and CO ₂ Ion Mobility Mass Spectrometry. <i>Atmosphere</i> , 2021, 12, 17. | 2.3 | 5 |
| 8 | Four- and Five-Carbon Dicarboxylic Acids Present in Secondary Organic Aerosol Produced from Anthropogenic and Biogenic Volatile Organic Compounds. <i>Atmosphere</i> , 2021, 12, 1703. | 2.3 | 9 |
| 9 | Aerosol Liquid Water Promotes the Formation of Water-Soluble Organic Nitrogen in Submicrometer Aerosols in a Suburban Forest. <i>Environmental Science & Technology</i> , 2020, 54, 1406-1414. | 10.0 | 33 |
| 10 | Modeling the Effects of Dimerization and Bulk Diffusion on the Evaporative Behavior of Secondary Organic Aerosol Formed from α -Pinene and 1,3,5-Trimethylbenzene. <i>ACS Earth and Space Chemistry</i> , 2020, 4, 1931-1946. | 2.7 | 7 |
| 11 | Investigation of dark condition nitrate radical- and ozone-initiated aging of toluene secondary organic aerosol: Importance of nitrate radical reactions with phenolic products. <i>Atmospheric Environment</i> , 2019, 219, 117049. | 4.1 | 14 |
| 12 | Comprehensive measurements of atmospheric OH reactivity and trace species within a suburban forest near Tokyo during AQUAS-TAMA campaign. <i>Atmospheric Environment</i> , 2018, 184, 166-176. | 4.1 | 7 |
| 13 | Studying volatility from composition, dilution, and heating measurements of secondary organic aerosols formed during α -pinene ozonolysis. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 5455-5466. | 4.9 | 16 |
| 14 | Missing ozone-induced potential aerosol formation in a suburban deciduous forest. <i>Atmospheric Environment</i> , 2017, 171, 91-97. | 4.1 | 2 |
| 15 | Characterization of Chromophoric Water-Soluble Organic Matter in Urban, Forest, and Marine Aerosols by HR-ToF-AMS Analysis and Excitation-Dependent Emission Matrix Spectroscopy. <i>Environmental Science & Technology</i> , 2016, 50, 10351-10360. | 10.0 | 139 |
| 16 | Total OH reactivity measurement in a BVOC dominated temperate forest during a summer campaign, 2014. <i>Atmospheric Environment</i> , 2016, 131, 41-54. | 4.1 | 21 |
| 17 | Selective sensing of Hg ²⁺ ions by optical and colorimetric methods using gold nanorods embedded in a functionalized silicate sol-gel matrix. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8918. | 10.3 | 53 |