

Dasa Gu

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,014
citations

471509

17
h-index

552781

26
g-index

46
all docs

46
docs citations

46
times ranked

1773
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Reconciling Observed and Predicted Tropical Rainforest OH Concentrations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, . | 3.3 | 6 |
| 2 | Effects of light on the emissions of biogenic isoprene and monoterpenes: A review. <i>Atmospheric Pollution Research</i> , 2022, 13, 101397. | 3.8 | 6 |
| 3 | Simulation of Isoprene Emission with Satellite Microwave Emissivity Difference Vegetation Index as Water Stress Factor in Southeastern China during 2008. <i>Remote Sensing</i> , 2022, 14, 1740. | 4.0 | 2 |
| 4 | The role of a suburban forest in controlling vertical trace gas and OH reactivity distributions – a case study for the Seoul metropolitan area. <i>Faraday Discussions</i> , 2021, 226, 537-550. | 3.2 | 3 |
| 5 | Contributions to OH reactivity from unexplored volatile organic compounds measured by PTR-ToF-MS – a case study in a suburban forest of the Seoul metropolitan area during the Korea–United States Air Quality Study (KORUS-AQ) 2016. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 6331-6345. | 4.9 | 6 |
| 6 | Modeling sensitivities of BVOCs to different versions of MEGAN emission schemes in WRF-Chem (v3.6) and its impacts over eastern China. <i>Geoscientific Model Development</i> , 2021, 14, 6155-6175. | 3.6 | 17 |
| 7 | A sampler for atmospheric volatile organic compounds by copter unmanned aerial vehicles. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 3123-3135. | 3.1 | 40 |
| 8 | Intermediate-scale horizontal isoprene concentrations in the near-canopy forest atmosphere and implications for emission heterogeneity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19318-19323. | 7.1 | 28 |
| 9 | Evaluation of semi-static enclosure technique for rapid surveys of biogenic volatile organic compounds (BVOCs) emission measurements. <i>Atmospheric Environment</i> , 2019, 212, 1-5. | 4.1 | 14 |
| 10 | Urban pollution greatly enhances formation of natural aerosols over the Amazon rainforest. <i>Nature Communications</i> , 2019, 10, 1046. | 12.8 | 131 |
| 11 | Integration of airborne and ground observations of nitryl chloride in the Seoul metropolitan area and the implications on regional oxidation capacity during KORUS-AQ 2016. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 12779-12795. | 4.9 | 24 |
| 12 | Regional to Global Biogenic Isoprene Emission Responses to Changes in Vegetation From 2000 to 2015. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 3757-3771. | 3.3 | 38 |
| 13 | Biomass burning emission disturbances of isoprene oxidation in a tropical forest. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 12715-12734. | 4.9 | 12 |
| 14 | Leaf phenology as one important driver of seasonal changes in isoprene emissions in central Amazonia. <i>Biogeosciences</i> , 2018, 15, 4019-4032. | 3.3 | 22 |
| 15 | Airborne observations reveal elevational gradient in tropical forest isoprene emissions. <i>Nature Communications</i> , 2017, 8, 15541. | 12.8 | 53 |
| 16 | Airborne measurements of isoprene and monoterpene emissions from southeastern U.S. forests. <i>Science of the Total Environment</i> , 2017, 595, 149-158. | 8.0 | 18 |
| 17 | Sensitivity of biogenic volatile organic compounds to land surface parameterizations and vegetation distributions in California. <i>Geoscientific Model Development</i> , 2016, 9, 1959-1976. | 3.6 | 34 |
| 18 | Inverse modelling of NO _x emissions over eastern China: uncertainties due to chemical non-linearity. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5193-5201. | 3.1 | 22 |

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|----|--|------|-----------|
| 19 | Seasonality of isoprenoid emissions from a primary rainforest in Central Amazonia. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3903-3925. | 4.9 | 52 |
| 20 | Anthropogenic emissions of NO _x over China: Reconciling the difference of inverse modeling results using GOME-2 and OMI measurements. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7732-7740. | 3.3 | 45 |
| 21 | Surface and free tropospheric sources of methanesulfonic acid over the tropical Pacific Ocean. <i>Geophysical Research Letters</i> , 2014, 41, 5239-5245. | 4.0 | 10 |
| 22 | Reduction in NO _x Emission Trends over China: Regional and Seasonal Variations. <i>Environmental Science & Technology</i> , 2013, 47, 12912-12919. | 10.0 | 97 |
| 23 | Summertime photochemistry during CAREBeijing-2007: RO _x budgets and O ₃ formation. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7737-7752. | 4.9 | 150 |
| 24 | Estimate of anthropogenic halocarbon emission based on measured ratio relative to CO in the Pearl River Delta region, China. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 5011-5025. | 4.9 | 72 |
| 25 | Sources, transport, and sinks of SO ₂ over the equatorial Pacific during the Pacific Atmospheric Sulfur Experiment. <i>Journal of Atmospheric Chemistry</i> , 2011, 68, 27-53. | 3.2 | 21 |
| 26 | Evidence of Reactive Aromatics As a Major Source of Peroxy Acetyl Nitrate over China. <i>Environmental Science & Technology</i> , 2010, 44, 7017-7022. | 10.0 | 84 |