

Yee Jun Tham

List of Publications by Year in descending order

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33
papers

1,520
citations

361296
20
h-index

395590
33
g-index

69
all docs

69
docs citations

69
times ranked

1503
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular Composition of Oxygenated Organic Molecules and Their Contributions to Organic Aerosol in Beijing. <i>Environmental Science & Technology</i> , 2022, 56, 770-778.	4.6	16
2	Role of Iodine Recycling on Sea-Salt Aerosols in the Global Marine Boundary Layer. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	3
3	An evaluation of new particle formation events in Helsinki during a Baltic Sea cyanobacterial summer bloom. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6365-6391.	1.9	6
4	Determination of the collision rate coefficient between charged iodic acid clusters and iodic acid using the appearance time method. <i>Aerosol Science and Technology</i> , 2021, 55, 231-242.	1.5	18
5	Direct field evidence of autocatalytic iodine release from atmospheric aerosol. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	25
6	Role of iodine oxoacids in atmospheric aerosol nucleation. <i>Science</i> , 2021, 371, 589-595.	6.0	94
7	Differing Mechanisms of New Particle Formation at Two Arctic Sites. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091334.	1.5	70
8	Investigation of several proxies to estimate sulfuric acid concentration under volcanic plume conditions. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 4541-4560.	1.9	3
9	Measurement report: Molecular composition and volatility of gaseous organic compounds in a boreal forest " from volatile organic compounds to highly oxygenated organic molecules. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 8961-8977.	1.9	12
10	Measurement of iodine species and sulfuric acid using bromide chemical ionization mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 4187-4202.	1.2	13
11	Measurement report: The influence of traffic and new particle formation on the size distribution of 1-800-nm particles in Helsinki " a street canyon and an urban background station comparison. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9931-9953.	1.9	13
12	Atmospheric gaseous hydrochloric and hydrobromic acid in urban Beijing, China: detection, source identification and potential atmospheric impacts. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11437-11452.	1.9	12
13	The driving factors of new particle formation and growth in the polluted boundary layer. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 14275-14291.	1.9	38
14	Winter ClONO ₂ formation in the region of fresh anthropogenic emissions: seasonal variability and insights into daytime peaks in northern China. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15985-16000.	1.9	8
15	Chemical composition of nanoparticles from α -pinene nucleation and the influence of isoprene and relative humidity at low temperature. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17099-17114.	1.9	12
16	Unprecedented Ambient Sulfur Trioxide (SO ₃) Detection: Possible Formation Mechanism and Atmospheric Implications. <i>Environmental Science and Technology Letters</i> , 2020, 7, 809-818.	3.9	34
17	Rapid growth of new atmospheric particles by nitric acid and ammonia condensation. <i>Nature</i> , 2020, 581, 184-189.	13.7	169
18	Heterogeneous N ₂ O ₅ reactions on atmospheric aerosols at four Chinese sites: improving model representation of uptake parameters. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 4367-4378.	1.9	33

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19	Uptake selectivity of methanesulfonic acid (MSA) on fine particles over polynya regions of the Ross Sea, Antarctica. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 3259-3271.	1.9	18
20	Enhanced growth rate of atmospheric particles from sulfuric acid. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 7359-7372.	1.9	58
21	Photoinduced Production of Chlorine Molecules from Titanium Dioxide Surfaces Containing Chloride. <i>Environmental Science and Technology Letters</i> , 2020, 7, 70-75.	3.9	12
22	Molecular understanding of the suppression of new-particle formation by isoprene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 11809-11821.	1.9	49
23	Molecular Composition and Volatility of Nucleated Particles from Î±-Pinene Oxidation between $\hat{\sim}50 \hat{\sim}^{\circ}\text{C}$ and $+25 \hat{\sim}^{\circ}\text{C}$. <i>Environmental Science & Technology</i> , 2019, 53, 12357-12365.	4.6	32
24	Fast heterogeneous loss of N ₂ O ₅ leads to significant nighttime NO _x removal and nitrate aerosol formation at a coastal background environment of southern China. <i>Science of the Total Environment</i> , 2019, 677, 637-647.	3.9	38
25	Nighttime NO loss and ClNO ₂ formation in the residual layer of a polluted region: Insights from field measurements and an iterative box model. <i>Science of the Total Environment</i> , 2018, 622-623, 727-734.	3.9	28
26	Oxidizing capacity of the rural atmosphere in Hong Kong, Southern China. <i>Science of the Total Environment</i> , 2018, 612, 1114-1122.	3.9	69
27	Heterogeneous N ₂ O ₅ uptake coefficient and production yield of ClNO ₂ in polluted northern China: roles of aerosol water content and chemical composition. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 13155-13171.	1.9	67
28	Fast heterogeneous N ₂ O ₅ uptake and ClNO ₂ production in power plant and industrial plumes observed in the nocturnal residual layer over the North China Plain. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 12361-12378.	1.9	92
29	Significant concentrations of nitryl chloride sustained in the morning: investigations of the causes and impacts on ozone production in a polluted region of northern China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14959-14977.	1.9	146
30	Nighttime chemistry at a high altitude site above Hong Kong. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2457-2475.	1.2	78
31	Observations of nitryl chloride and modeling its source and effect on ozone in the planetary boundary layer of southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2476-2489.	1.2	118
32	Impacts of heterogeneous uptake of dinitrogen pentoxide and chlorine activation on ozone and reactive nitrogen partitioning: improvement and application of the WRF-Chem model in southern China. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14875-14890.	1.9	59
33	Presence of high nitryl chloride in Asian coastal environment and its impact on atmospheric photochemistry. <i>Science Bulletin</i> , 2014, 59, 356-359.	1.7	54