Hai-Jie Tong

List of Publications by Year
in descending order

31	1,784	377584 21	488211 31
papers	citations	h-index	g-index

44	44	44	2702
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmentally persistent free radicals in indoor particulate matter, dust, and on surfaces. Environmental Science Atmospheres, 2022, 2, 128-136.	0.9	3
2	Emerging investigator series: deposited particles and human lung lining fluid are dynamic, chemically-complex reservoirs leading to thirdhand smoke emissions and exposure. Environmental Science Atmospheres, 2022, 2, 943-963.	0.9	1
3	The maximum carbonyl ratio (MCR) as a new index for the structural classification of secondary organic aerosol components. Rapid Communications in Mass Spectrometry, 2021, 35, e9113.	0.7	13
4	Increase of nitrooxy organosulfates in firework-related urban aerosols during Chinese New Year's Eve. Atmospheric Chemistry and Physics, 2021, 21, 11453-11465.	1.9	14
5	Aqueous-phase reactive species formed by fine particulate matter from remote forests and polluted urban air. Atmospheric Chemistry and Physics, 2021, 21, 10439-10455.	1.9	6
6	Molecular characterization of firework-related urban aerosols using Fourier transform ion cyclotron resonance mass spectrometry. Atmospheric Chemistry and Physics, 2020, 20, 6803-6820.	1.9	27
7	Oxygenated and Nitrated Polycyclic Aromatic Hydrocarbons in Ambient Airâ€"Levels, Phase Partitioning, Mass Size Distributions, and Inhalation Bioaccessibility. Environmental Science & Technology, 2020, 54, 2615-2625.	4.6	69
8	Increase of High Molecular Weight Organosulfate With Intensifying Urban Air Pollution in the Megacity Beijing. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032200.	1.2	30
9	MIMiX: a Multipurpose In situ Microreactor system for X-ray microspectroscopy to mimic atmospheric aerosol processing. Atmospheric Measurement Techniques, 2020, 13, 3717-3729.	1.2	5
10	Radical Formation by Fine Particulate Matter Associated with Highly Oxygenated Molecules. Environmental Science & Technology, 2019, 53, 12506-12518.	4.6	45
11	Antioxidant activity of cerium dioxide nanoparticles and nanorods in scavenging hydroxyl radicals. RSC Advances, 2019, 9, 11077-11081.	1.7	48
12	Development of an antioxidant assay to study oxidative potential of airborne particulate matter. Atmospheric Measurement Techniques, 2019, 12, 6529-6539.	1.2	11
13	Reactive Oxygen Species Formed by Secondary Organic Aerosols in Water and Surrogate Lung Fluid. Environmental Science & Technology, 2018, 52, 11642-11651.	4.6	59
14	Reactive oxygen species formed in aqueous mixtures of secondary organic aerosols and mineral dust influencing cloud chemistry and public health in the Anthropocene. Faraday Discussions, 2017, 200, 251-270.	1.6	51
15	Atmospheric protein chemistry influenced by anthropogenic air pollutants: nitration and oligomerization upon exposure to ozone and nitrogen dioxide. Faraday Discussions, 2017, 200, 413-427.	1.6	37
16	Measurement of the Raman spectra and hygroscopicity of four pharmaceutical aerosols as they travel from pressurised metered dose inhalers (pMDI) to a model lung. International Journal of Pharmaceutics, 2017, 520, 59-69.	2.6	16
17	Release of free amino acids upon oxidation of peptides and proteins by hydroxyl radicals. Analytical and Bioanalytical Chemistry, 2017, 409, 2411-2420.	1.9	62
18	Aerosol Health Effects from Molecular to Global Scales. Environmental Science & Technology, 2017, 51, 13545-13567.	4.6	384

#	Article	IF	Citations
19	Mixing state of oxalic acid containing particles in the rural area of Pearl River Delta, China: implications for the formation mechanism of oxalic acid. Atmospheric Chemistry and Physics, 2017, 17, 9519-9533.	1.9	36
20	Molecular composition of organic aerosols at urban background and road tunnel sites using ultra-high resolution mass spectrometry. Faraday Discussions, 2016, 189, 51-68.	1.6	50
21	Fluorescence lifetime imaging of optically levitated aerosol: a technique to quantitatively map the viscosity of suspended aerosol particles. Physical Chemistry Chemical Physics, 2016, 18, 21710-21719.	1.3	30
22	Chemical exposure-response relationship between air pollutants and reactive oxygen species in the human respiratory tract. Scientific Reports, 2016, 6, 32916.	1.6	228
23	Hydroxyl radicals from secondary organic aerosol decomposition in water. Atmospheric Chemistry and Physics, 2016, 16, 1761-1771.	1.9	138
24	Quantification of environmentally persistent free radicals and reactive oxygen species in atmospheric aerosol particles. Atmospheric Chemistry and Physics, 2016, 16, 13105-13119.	1.9	110
25	A new electrodynamic balance (EDB) design for low-temperature studies: application to immersion freezing of pollen extract bioaerosols. Atmospheric Measurement Techniques, 2015, 8, 1183-1195.	1.2	28
26	Rapid interrogation of the physical and chemical characteristics of salbutamol sulphate aerosol from a pressurised metered-dose inhaler (pMDI). Chemical Communications, 2014, 50, 15499-15502.	2.2	16
27	Measurements of the timescales for the mass transfer of water in glassy aerosol at low relative humidity and ambient temperature. Atmospheric Chemistry and Physics, 2011, 11, 4739-4754.	1.9	149
28	High Temporal and Spatial Resolution Measurements of the Rapid Efflorescence of Sea Salt Droplets. Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica, 2011, 27, 2521-2527.	2.2	7
29	Studies of Single Aerosol Particles Containing Malonic Acid, Glutaric Acid, and Their Mixtures with Sodium Chloride. II. Liquid-State Vapor Pressures of the Acids. Journal of Physical Chemistry A, 2010, 114, 10156-10165.	1.1	54
30	Observation of Conformational Changes in 1-Propanolâ^'Water Complexes by FTIR Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 6795-6802.	1.1	31
31	Observation of the Crystallization and Supersaturation of Mixed Component NaNO₃â^'Na₂SO₄ Droplets by FTIR-ATR and Raman Spectroscopy. Journal of Physical Chemistry A, 2010, 114, 12237-12243.	1.1	25