

Bo Yang

List of Publications by Year in descending order

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26
papers

436
citations

687363

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713466

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26
times ranked

457
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitration of particle-associated PAHs and their derivatives (nitro-, oxy-, and hydroxy-PAHs) with NO ₃ radicals. <i>Atmospheric Environment</i> , 2011, 45, 2515-2521.	4.1	71
2	Kinetic Studies of Heterogeneous Reactions of Polycyclic Aromatic Hydrocarbon Aerosols with NO ₃ Radicals. <i>Environmental Science & Technology</i> , 2012, 46, 7575-7580.	10.0	43
3	Vacuum-Ultraviolet-Excited and CH ₂ Cl ₂ /H ₂ O-Amplified Ionization-Coupled Mass Spectrometry for Oxygenated Organics Analysis. <i>Analytical Chemistry</i> , 2018, 90, 1301-1308.	6.5	31
4	Gas-Phase Reactions of Methoxyphenols with NO ₃ Radicals: Kinetics, Products, and Mechanisms. <i>Journal of Physical Chemistry A</i> , 2016, 120, 1213-1221.	2.5	25
5	Heterogeneous Reactivity of Suspended Pirimiphos-Methyl Particles with Ozone. <i>Environmental Science & Technology</i> , 2010, 44, 3311-3316.	10.0	24
6	Characterization of secondary organic aerosol from photo-oxidation of gasoline exhaust and specific sources of major components. <i>Environmental Pollution</i> , 2018, 232, 65-72.	7.5	22
7	Protonation enhancement by dichloromethane doping in low-pressure photoionization. <i>Scientific Reports</i> , 2016, 6, 36820.	3.3	21
8	Doping-assisted low-pressure photoionization mass spectrometry for the real-time detection of lung cancer-related volatile organic compounds. <i>Talanta</i> , 2017, 165, 98-106.	5.5	20
9	Comparison of secondary organic aerosol (SOA) formation during o-, m-, and p-xylene photooxidation. <i>Environmental Pollution</i> , 2019, 245, 20-28.	7.5	20
10	Formation mechanism of secondary organic aerosol from ozonolysis of gasoline vehicle exhaust. <i>Environmental Pollution</i> , 2018, 234, 960-968.	7.5	18
11	A rapid detection method for policy-sensitive amines real-time supervision. <i>Talanta</i> , 2018, 178, 636-643.	5.5	15
12	Ultrasensitive detection of explosives and chemical warfare agents by low-pressure photoionization mass spectrometry. <i>Talanta</i> , 2016, 156-157, 191-195.	5.5	13
13	Rapid detection of taste and odor compounds in water using the newly invented chemi-ionization technique coupled with time-of-flight mass spectrometry. <i>Analytica Chimica Acta</i> , 2018, 1035, 119-128.	5.4	13
14	Kinetic Understanding of the Ultrahigh Ionization Efficiencies (up to 28%) of Excited-State CH ₂ Cl ₂ -Induced Associative Ionization: A Case Study with Nitro Compounds. <i>Analytical Chemistry</i> , 2019, 91, 5605-5612.	6.5	13
15	Ultrasensitive detection of trace chemical warfare agent-related compounds by thermal desorption associative ionization time-of-flight mass spectrometry. <i>Talanta</i> , 2021, 235, 122788.	5.5	13
16	Ultrasensitive detection of volatile aldehydes with chemi-ionization-coupled time-of-flight mass spectrometry. <i>Talanta</i> , 2019, 194, 888-894.	5.5	11
17	Ozonation of trifluralin particles: An experimental investigation with a vacuum ultraviolet photoionization aerosol time-of-flight mass spectrometer. <i>Journal of Hazardous Materials</i> , 2009, 172, 390-394.	12.4	10
18	Heterogeneous reactions of particulate benzo[b]fluoranthene and benzo[k]fluoranthene with NO ₃ radicals. <i>Chemosphere</i> , 2014, 99, 34-40.	8.2	10

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19	Application of VUV-PIMS coupled with GC-MS in chemical characterization, identification and comparative analysis of organic components in both vehicular-derived SOA and haze particles. <i>Atmospheric Environment</i> , 2017, 164, 250-258.	4.1	9
20	Theoretical study on the atmospheric transformation mechanism of pirimiphos-methyl initiated by O ₃ . <i>Chemosphere</i> , 2015, 138, 966-972.	8.2	7
21	Emerging non-invasive detection methodologies for lung cancer (Review). <i>Oncology Letters</i> , 2020, 19, 3389-3399.	1.8	7
22	Exploring breath biomarkers in BLM-induced pulmonary fibrosis mice with associative ionization time-of-flight mass spectrometry. <i>Talanta</i> , 2022, 239, 123120.	5.5	7
23	Characterization of trace aerosol compositions produced during the OH radical-initiated photooxidation of β -pinene. <i>Atmospheric Environment</i> , 2019, 211, 1-5.	4.1	4
24	An ultrasensitive SPI/PAI ion source based on a high-flux VUV lamp and its applications for the online mass spectrometric detection of sub-pptv sulfur ethers. <i>Talanta</i> , 2022, 247, 123558.	5.5	4
25	Effect of the blocked-sites phenomenon on the heterogeneous reaction of pyrene with N ₂ O ₅ /NO ₃ /NO ₂ . <i>RSC Advances</i> , 2016, 6, 10358-10364.	3.6	3
26	Photoinduced Associative Ionization Time-of-Flight Mass Spectrometry for the Sensitive Determination of Monoterpenes. <i>Analytical Letters</i> , 2022, 55, 2170-2184.	1.8	2