

Mohammed Jaoui

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

4,532
citations

304368

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docs citations

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times ranked

2937
citing authors

#	ARTICLE	IF	CITATIONS
1	Cytotoxicity and oxidative stress induced by atmospheric mono-nitrophenols in human lung cells. <i>Environmental Pollution</i> , 2022, 301, 119010.	3.7	6
2	Relative contributions of selected multigeneration products to chamber SOA formed from photooxidation of a range (C ₁₀ –C ₁₇) of n-alkanes under high NO conditions. <i>Atmospheric Environment</i> , 2021, 244, 117976.	1.9	6
3	Rapid production of highly oxidized molecules in isoprene aerosol via peroxy and alkoxy radical isomerization pathways in low and high NO _x environments: Combined laboratory, computational and field studies. <i>Science of the Total Environment</i> , 2021, 775, 145592.	3.9	11
4	Organic Hydroxy Acids as Highly Oxygenated Molecular (HOM) Tracers for Aged Isoprene Aerosol. <i>Environmental Science & Technology</i> , 2019, 53, 14516-14527.	4.6	17
5	Chemical composition of isoprene SOA under acidic and non-acidic conditions: effect of relative humidity. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 18101-18121.	1.9	33
6	Characterization of aerosol nitroaromatic compounds: Validation of an experimental method. <i>Journal of Mass Spectrometry</i> , 2018, 53, 680-692.	0.7	8
7	Ozonolysis of α -farnesene mixture: Analysis of gas-phase and particulate reaction products. <i>Atmospheric Environment</i> , 2017, 169, 175-192.	1.9	8
8	Constraints on primary and secondary particulate carbon sources using chemical tracer and 14 C methods during CalNex-Bakersfield. <i>Atmospheric Environment</i> , 2017, 166, 204-214.	1.9	5
9	The Molecular Identification of Organic Compounds in the Atmosphere: State of the Art and Challenges. <i>Chemical Reviews</i> , 2015, 115, 3919-3983.	23.0	417
10	Constraining carbonaceous aerosol sources in a receptor model by including 14C data with redox species, organic tracers, and elemental/organic carbon measurements. <i>Atmospheric Environment</i> , 2013, 80, 216-225.	1.9	11
11	Epoxide Pathways Improve Model Predictions of Isoprene Markers and Reveal Key Role of Acidity in Aerosol Formation. <i>Environmental Science & Technology</i> , 2013, 47, 11056-11064.	4.6	222
12	Secondary organic aerosol formation from the oxidation of a series of sesquiterpenes: α -cedrene, β -caryophyllene, α -humulene and α -farnesene with O ₃ , OH and NO ₃ radicals. <i>Environmental Chemistry</i> , 2013, 10, 178.	0.7	75
13	Secondary organic aerosol characterisation at field sites across the United States during the spring–summer period. <i>International Journal of Environmental Analytical Chemistry</i> , 2013, 93, 1084-1103.	1.8	59
14	Formation of organic tracers for isoprene SOA under acidic conditions. <i>Atmospheric Environment</i> , 2010, 44, 1798-1805.	1.9	37
15	Influence of Aerosol Acidity on the Formation of Secondary Organic Aerosol from Biogenic Precursor Hydrocarbons. <i>Environmental Science & Technology</i> , 2009, 43, 7742-7747.	4.6	83
16	Formation of secondary organic aerosol from irradiated α -pinene/toluene/NO _x mixtures and the effect of isoprene and sulfur dioxide. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	108
17	Primary and Secondary Contributions to Ambient PM in the Midwestern United States. <i>Environmental Science & Technology</i> , 2008, 42, 3303-3309.	4.6	140
18	Organosulfate Formation in Biogenic Secondary Organic Aerosol. <i>Journal of Physical Chemistry A</i> , 2008, 112, 8345-8378.	1.1	594

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19	Ozone-isoprene reaction: Re-examination of the formation of secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	105
20	Effect of Acidity on Secondary Organic Aerosol Formation from Isoprene. <i>Environmental Science & Technology</i> , 2007, 41, 5363-5369.	4.6	457
21	Contributions of Toluene and α -Pinene to SOA Formed in an Irradiated Toluene/ α -Pinene/ NO_x / Air Mixture: A Comparison of Results Using ^{14}C Content and SOA Organic Tracer Methods. <i>Environmental Science & Technology</i> , 2007, 41, 3972-3976.	4.6	75
22	Evidence for Organosulfates in Secondary Organic Aerosol. <i>Environmental Science & Technology</i> , 2007, 41, 517-527.	4.6	591
23	β -caryophyllinic acid: An atmospheric tracer for β -caryophyllene secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	145
24	3-methyl-1,2,3-butanetricarboxylic acid: An atmospheric tracer for terpene secondary organic aerosol. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	268
25	Composition of PM _{2.5} during the summer of 2003 in Research Triangle Park, North Carolina. <i>Atmospheric Environment</i> , 2007, 41, 4073-4083.	1.9	91
26	Estimates of the contributions of biogenic and anthropogenic hydrocarbons to secondary organic aerosol at a southeastern US location. <i>Atmospheric Environment</i> , 2007, 41, 8288-8300.	1.9	459
27	Secondary Organic Carbon and Aerosol Yields from the Irradiations of Isoprene and α -Pinene in the Presence of NO_x and SO_2 . <i>Environmental Science & Technology</i> , 2006, 40, 3807-3812.	4.6	172
28	Analysis of Secondary Organic Aerosol Compounds from the Photooxidation of d-Limonene in the Presence of NO_x and their Detection in Ambient PM _{2.5} . <i>Environmental Science & Technology</i> , 2006, 40, 3819-3828.	4.6	91
29	Kinetic Mechanism for Predicting Secondary Organic Aerosol Formation from the Reaction of d-Limonene with Ozone. <i>Environmental Science & Technology</i> , 2005, 39, 9583-9594.	4.6	151
30	Mass balance of gaseous and particulate products analysis from α -pinene/ NO_x /air in the presence of natural sunlight. <i>Journal of Geophysical Research</i> , 2001, 106, 12541-12558.	3.3	87