

BÃ©nÃ©dicte Picquet-Varrault

List of Publications by Year in descending order

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Version: 2024-02-01

13
papers

578
citations

933447

10
h-index

1125743

13
g-index

29
all docs

29
docs citations

29
times ranked

1105
citing authors

#	ARTICLE	IF	CITATIONS
1	Nitrate radicals and biogenic volatile organic compounds: oxidation, mechanisms, and organic aerosol. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 2103-2162.	4.9	307
2	Database for the kinetics of the gas-phase atmospheric reactions of organic compounds. <i>Earth System Science Data</i> , 2020, 12, 1203-1216.	9.9	50
3	Prediction of Rate Constants for Gas-Phase Reactions of Nitrate Radical with Organic Compounds: A New Structure-Activity Relationship. <i>ChemPhysChem</i> , 2010, 11, 3909-3920.	2.1	49
4	Structure-activity relationship for the gas-phase reactions of NO ₃ radical with organic compounds: Update and extension to aldehydes. <i>Atmospheric Environment</i> , 2014, 84, 363-372.	4.1	36
5	Kinetic and Mechanistic Study of the Gas-Phase Reactions of a Series of Vinyl Ethers with the Nitrate Radical. <i>Journal of Physical Chemistry A</i> , 2006, 110, 11074-11081.	2.5	25
6	High-NO _x Photooxidation of <i>n</i> -Dodecane: Temperature Dependence of SOA Formation. <i>Environmental Science & Technology</i> , 2017, 51, 192-201.	10.0	22
7	Measurement of alkyl and multifunctional organic nitrates by proton-transfer-reaction mass spectrometry. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 1445-1463.	3.1	21
8	An Experimental Study of the Gas-Phase Reactions of NO ₃ Radicals with a Series of Unsaturated Aldehydes: <i>trans</i> -2-Hexenal, <i>trans</i> -2-Heptenal, and <i>trans</i> -2-Octenal. <i>Journal of Physical Chemistry A</i> , 2012, 116, 10135-10142.	2.5	20
9	Implementation of an incoherent broadband cavity-enhanced absorption spectroscopy technique in an atmospheric simulation chamber for in situ NO ₃ monitoring: characterization and validation for kinetic studies. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 6311-6323.	3.1	14
10	Photolysis and oxidation by OH radicals of two carbonyl nitrates: 4-nitrooxy-2-butanone and 5-nitrooxy-2-pentanone. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 487-498.	4.9	12
11	Nighttime chemistry of biomass burning emissions in urban areas: A dual mobile chamber study. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 15337-15349.	4.9	10
12	A comparative and experimental study of the reactivity with nitrate radical of two terpenes: <i>trans</i> - <i>trans</i> -terpinene and <i>trans</i> - <i>trans</i> -terpinene. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 15167-15189.	4.9	5
13	An experimental study of the reactivity of terpinolene and <i>trans</i> - <i>trans</i> -caryophyllene with the nitrate radical. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 6411-6434.	4.9	2