Iustinian Bejan

List of Publications by Year
in descending order

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53	1,506	279487	329751
papers	citations	23 h-index	37 g-index

59	59	59	1689
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigations into the gas-phase photolysis and OH radical kinetics of nitrocatechols: implications of intramolecular interactions on their atmospheric behaviour. Atmospheric Chemistry and Physics, 2022, 22, 2203-2219.	1.9	5
2	Kinetic study of the atmospheric oxidation of a series of epoxy compounds by OH radicals. Atmospheric Chemistry and Physics, 2022, 22, 6989-7004.	1.9	2
3	Experimental and theoretical study of the reactivity of a series of epoxides with chlorine atoms at 298 K. Physical Chemistry Chemical Physics, 2021, 23, 5176-5186.	1.3	3
4	Atmospheric oxidation of <i>Î±</i>,<i>Î²</i>-unsaturated ketones: kinetics and mechanism of the OH radical reaction. Atmospheric Chemistry and Physics, 2021, 21, 13667-13686.	1.9	5
5	Secondary Organic Aerosol Formation from Nitrophenols Photolysis under Atmospheric Conditions. Atmosphere, 2020, 11, 1346.	1.0	8
6	Kinetic Measurements of Cl Atom Reactions with C5â€“C8 Unsaturated Alcohols. Atmosphere, 2020, 11, 256.	1.0	8
7	Atmospheric fate of two relevant unsaturated ketoethers: kinetics, products and mechanisms for the reaction of hydroxyl radicals with (<i>E</i>)-4-methoxy-3-buten-2-one and (1<i>E</i>)-1-methoxy-2-methyl-1-penten-3-one. Atmospheric Chemistry and Physics, 2020, 20, 8939-8951.	1.9	3
8	Gasâ€phase rate coefficients for a series of alkyl cyclohexanes with OH radicals and Cl atoms. International Journal of Chemical Kinetics, 2018, 50, 544-555.	1.0	5
9	Atmospheric chemistry and the biosphere: general discussion. Faraday Discussions, 2017, 200, 195-228.	1.6	1
10	Direct measurements of OH and other product yields from the HO₂â€¯+â€¯CH₃C(O)O₂ reaction. Atmospheric Chemistry and Physics, 2016, 16, 4023-4042.	1.9	46
11	Revised structure activity parameters derived from new rate coefficient determinations for the reactions of chlorine atoms with a series of seven ketones at 290 K and 1 atm. Chemical Physics Letters, 2015, 640, 87-93.	1.2	16
12	Atmospheric Sink of (E)-3-Hexen-1-ol, (Z)-3-Hepten-1-ol, and (Z)-3-Octen-1-ol: Rate Coefficients and Mechanisms of the OH-Radical Initiated Degradation. Environmental Science & Technology, 2015, 49, 7717-7725.	4.6	10
13	Kinetic Study of the Gas-Phase Reactions of Chlorine Atoms with 2-Chlorophenol, 2-Nitrophenol, and Four Methyl-2-nitrophenol Isomers. Journal of Physical Chemistry A, 2015, 119, 4735-4745.	1.1	11
14	Tropospheric chemical degradation of vinyl and allyl acetate initiated by Cl atoms under high and low NO_xconditions. RSC Advances, 2015, 5, 48154-48163.	1.7	8
15	Pressure-dependent calibration of the OH and HO₂ channels of a FAGE HO_x instrument using the Highly Instrumented Reactor for Atmospheric Chemistry (HIRAC). Atmospheric Measurement Techniques, 2015, 8, 523-540.	1.2	25
16	Rate Coefficients for the Gas-Phase Reactions of Hydroxyl Radicals with a Series of Methoxylated Aromatic Compounds. Journal of Physical Chemistry A, 2015, 119, 6179-6187.	1.1	26
17	Temperature dependent rate coefficients for the reaction of OH radicals with dimethylbenzoquinones. Chemical Physics Letters, 2015, 639, 145-150.	1.2	1
18	FTIR gas kinetic study of the reactions of ozone with a series of hexenols at atmospheric pressure and 298K. Chemical Physics Letters, 2015, 618, 114-118.	1.2	7

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19	Capillary Atmospheric Pressure Electron Capture Ionization (cAPECI): A Highly Efficient Ionization Method for Nitroaromatic Compounds. Journal of the American Society for Mass Spectrometry, 2014, 25, 329-342.	1.2	7
20	Rate Coefficients for the Gas-Phase Reaction of Chlorine Atoms with a Series of Methoxylated Aromatic Compounds. Journal of Physical Chemistry A, 2014, 118, 1777-1784.	1.1	25
21	Products and Mechanism of the Reactions of OH Radicals and Cl Atoms with Methyl Methacrylate (CH₂â•C(CH₃)C(O)OCH₃) in the Presence of NOx. Environmental Science & Technology, 2014, 48, 1692-1699.	4.6	19
22	Rate coefficients at 298ÂK and 1Âatm for the tropospheric degradation of a series of C6, C7 and C8 biogenic unsaturated alcohols initiated by Cl atoms. Atmospheric Environment, 2014, 94, 564-572.	1.9	7
23	Development of a new LOPAP instrument for the detection of O3 in the atmosphere. Atmospheric Environment, 2013, 67, 112-119.	1.9	5
24	An Ionization Method Based on Photoelectron Induced Thermal Electron Generation: capillary Atmospheric Pressure Electron Capture Ionization (cAPECI). NATO Science for Peace and Security Series C: Environmental Security, 2013, , 239-248.	0.1	0
25	FT-IR Product Study of the Reactions of NO₃ Radicals With ortho-, meta-, and para-Cresol. Environmental Science & Technology, 2013, 47, 7729-7738.	4.6	27
26	NO2 Measurement Techniques: Pitfalls and New Developments. NATO Science for Peace and Security Series C: Environmental Security, 2013, , 15-28.	0.1	6
27	Interferences of commercial NO₂ instruments in the urban atmosphere and in a smog chamber. Atmospheric Measurement Techniques, 2012, 5, 149-159.	1.2	113
28	Total OH reactivity measurements in laboratory studies of the photooxidation of isoprene. Atmospheric Environment, 2012, 62, 243-247.	1.9	11
29	Atmospheric Oxidation of Vinyl and Allyl Acetate: Product Distribution and Mechanisms of the OH-Initiated Degradation in the Presence and Absence of NO_x. Environmental Science & Technology, 2012, 46, 8817-8825.	4.6	23
30	Kinetics and Mechanisms of the Tropospheric Reactions of Menthol, Borneol, Fenchol, Camphor, and Fenchone with Hydroxyl Radicals (OH) and Chlorine Atoms (Cl). Journal of Physical Chemistry A, 2012, 116, 4097-4107.	1.1	23
31	Gas phase reaction of OH radicals with (E)-Î²-farnesene at 296ÂÂ±Â2ÂK: Rate coefficient and carbonyl products. Atmospheric Environment, 2012, 46, 338-345.	1.9	14
32	Kinetics of the gasâ€phase reactions of OH radicals with a series of trimethylphenols. International Journal of Chemical Kinetics, 2012, 44, 117-124.	1.0	8
33	Daytime Reactions of 1,8â€Cineole in the Troposphere. ChemPhysChem, 2011, 12, 2145-2154.	1.0	8
34	Development of a new Long Path Absorption Photometer (LOPAP) instrument for the sensitive detection of NO₂ in the atmosphere. Atmospheric Measurement Techniques, 2011, 4, 1663-1676.	1.2	31
35	Relative kinetic measurements of rate coefficients for the gas-phase reactions of Cl atoms and OH radicals with a series of methyl alkyl esters. Atmospheric Environment, 2010, 44, 5407-5414.	1.9	19
36	FTIR Product Distribution Study of the Cl and OH Initiated Degradation of Methyl Acrylate at Atmospheric Pressure. Environmental Science & Technology, 2010, 44, 7031-7036.	4.6	12

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37	Atmospheric Photooxidation of Fluoroacetates as a Source of Fluorocarboxylic Acids. Environmental Science & Technology, 2010, 44, 2354-2359.	4.6	45
38	Atmospheric degradation of alkylfurans with chlorine atoms: Product and mechanistic study. Atmospheric Environment, 2009, 43, 2804-2813.	1.9	28
39	Gas-phase reaction of (E)-Î²-farnesene with ozone: Rate coefficient and carbonyl products. Atmospheric Environment, 2009, 43, 3182-3190.	1.9	29
40	Temperature-dependent rate coefficients for the reactions of Cl atoms with methyl methacrylate, methyl acrylate and butyl methacrylate at atmospheric pressure. Atmospheric Environment, 2009, 43, 5996-6002.	1.9	54
41	The Cl-initiated oxidation of CH3C(O)OCH=CH2, CH3C(O)OCH2CH=CH2, and CH2=CHC(O)O(CH2)3CH3 in the troposphere. Environmental Science and Pollution Research, 2009, 16, 641-648.	2.7	38
42	Temperature dependence of the gas-phase reactions of Cl atoms with propene and 1-butene between 285 <T< 313 K. Chemical Physics Letters, 2009, 484, 10-13.	1.2	26
43	OH-Initiated Degradation of Unsaturated Esters in the Atmosphere: Kinetics in the Temperature Range of 287â”313 K. Journal of Physical Chemistry A, 2009, 113, 5958-5965.	1.1	44
44	Kinetics of the reactions of chlorine atoms with selected fluoroacetates at atmospheric pressure and 298K. Chemical Physics Letters, 2008, 453, 18-23.	1.2	30
45	Atmospheric Chemistry of Acetylacetone. Environmental Science & Technology, 2008, 42, 7905-7910.	4.6	33
46	Investigations on the gas-phase photolysis and OH radical kinetics of methyl-2-nitrophenols. Physical Chemistry Chemical Physics, 2007, 9, 5686.	1.3	57
47	FT-IR Kinetic Study on the Gas-Phase Reactions of the OH Radical with a Series of Nitroaromatic Compounds. , 2006, , 155-162.		2
48	Kinetic Study of the Gas-Phase Reactions of OH and NO3Radicals and O3with Selected Vinyl Ethers. Journal of Physical Chemistry A, 2006, 110, 7386-7392.	1.1	48
49	The photolysis of ortho-nitrophenols: a new gas phase source of HONO. Physical Chemistry Chemical Physics, 2006, 8, 2028.	1.3	221
50	Product Study of the OH, NO3, and O3Initiated Atmospheric Photooxidation of Propyl Vinyl Ether. Environmental Science & Technology, 2006, 40, 5415-5421.	4.6	27
51	Reactions of NO3 radicals with limonene and Î±-pinene: Product and SOA formation. Atmospheric Environment, 2006, 40, 116-127.	1.9	122
52	Rate coefficients for the gas-phase reaction of NO3 radicals with selected dihydroxybenzenes. International Journal of Chemical Kinetics, 2004, 36, 577-583.	1.0	40
53	The tropospheric degradation of isoprene: an updated module for the regional atmospheric chemistry mechanism. Atmospheric Environment, 2003, 37, 1503-1519.	1.9	114