Abdelkhaleq Chakir

List of Publications by Year
in descending order

61	1,510	430874	345221
papers	citations	18 h-index	36 g-index

62	62	62	1507
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ozone UV spectroscopy. II. Absorption cross-sections and temperature dependence. Journal of Atmospheric Chemistry, 1995, 21, 263-273.	3.2	324
2	High-resolution laboratory absorption cross section of O3. Temperature effect. Chemical Physics Letters, 1993, 213, 610-612.	2.6	191
3	Absorption Spectra Measurements for the Ozone Molecule in the 350â€“830 nm Region. Journal of Atmospheric Chemistry, 1998, 30, 291-299.	3.2	167
4	Kinetic study ofn-heptane oxidation. International Journal of Chemical Kinetics, 1992, 24, 385-410.	1.6	108
5	KINETIC STUDY OFN-BUTANE OXIDATION. Combustion Science and Technology, 1989, 65, 207-230.	2.3	52
6	Kinetic Study of N-Pentane Oxidation. Combustion Science and Technology, 1991, 77, 239-260.	2.3	31
7	Kinetic study of 1-butene oxidation in a jet-stirred flow reactor. Proceedings of the Combustion Institute, 1989, 22, 873-881.	0.3	28
8	Heterogeneous Ozonolysis of Folpet and Dimethomorph: A Kinetic and Mechanistic Study. Journal of Physical Chemistry A, 2013, 117, 2908-2915.	2.5	28
9	Gas-phase rate coefficients for the reaction of 3-hydroxy-2-butanone and 4-hydroxy-2-butanone with OH and Cl. Atmospheric Environment, 2013, 77, 951-958.	4.1	27
10	Gas phase UV absorption cross-sections for a series of hydroxycarbonyls. Chemical Physics Letters, 2012, 529, 16-22.	2.6	26
11	Kinetics of the reactions of the OH radical with 2-methyl-1-propanol, 3-methyl-1-butanol and 3-methyl-2-butanol between 241 and 373 K. Physical Chemistry Chemical Physics, 2004, 6, 2951.	2.8	24
12	Gas phase UV absorption cross-sections for a series of amides. Chemical Physics Letters, 2005, 404, 74-78.	2.6	23
13	A quantum cascade laser absorption spectrometer devoted to the in situ measurement of atmospheric N2O and CH4 emission fluxes. Review of Scientific Instruments, 2013, 84, 023103.	1.3	22
14	A mechanistic and kinetic study of the heterogeneous degradation of chlorpyrifos and chlorpyrifos oxon under the influence of atmospheric oxidants: ozone and OH-radicals. RSC Advances, 2014, 4, 24786-24795.	3.6	22
15	UVâ€“visible spectra and gas-phase rate coefficients for the reaction of 2,3-pentanedione and 2,4-pentanedione with OH radicals. Chemical Physics Letters, 2015, 626, 73-79.	2.6	22
16	UV-absorption cross sections of benzaldehyde, ortho-, meta-, and para-tolualdehyde. Journal of Photochemistry and Photobiology A: Chemistry, 2004, 162, 273-281.	3.9	21
17	Electrochemical degradation of buprofezin insecticide in aqueous solutions by anodic oxidation at boron-doped diamond electrode. Research on Chemical Intermediates, 2013, 39, 505-516.	2.7	21
18	The heterogeneous photo-oxidation of difenoconazole in the atmosphere. Atmospheric Environment, 2011, 45, 5997-6003.	4.1	20

#	Article	IF	Citations
19	Heterogeneous oxidation of folpet and dimethomorph by OH radicals: A kinetic and mechanistic study. Atmospheric Environment, 2014, 82, 164-171.	4.1	19
20	Temporal and seasonal variation of atmospheric concentrations of currently used pesticides in Champagne in the centre of Reims from 2012 to 2015. Atmospheric Environment, 2018, 174, 82-91.	4.1	19
21	Temperature-dependence study of the gas-phase reactions of atmospheric NO3 radicals with a series of amides. Atmospheric Environment, 2007, 41, 5887-5896.	4.1	18
22	Kinetic of the gas-phase reactions of OH radicals and Cl atoms with diethyl ethylphosphonate and triethyl phosphate. Atmospheric Environment, 2016, 126, 250-257.	4.1	18
23	Study of Benzylperoxy Radical Using Laser Photolysis:Â Ultraviolet Spectrum, Self-Reaction, and Reaction with HO2Kinetics. Journal of Physical Chemistry A, 2006, 110, 7848-7857.	2.5	17
24	First Experimental Determination of the Absolute Gas-Phase Rate Coefficient for the Reaction of OH with 4-Hydroxy-2-Butanone (4H2B) at 294 K by Vapor Pressure Measurements of 4H2B. Journal of Physical Chemistry A, 2013, 117, 117-125.	2.5	17
25	Gas-phase UV absorption spectra of pyrazine, pyrimidine and pyridazine. Chemical Physics Letters, 2020, 751, 137469.	2.6	17
26	Heterogeneous oxidation of two triazole pesticides (diniconazole and tebuconazole) by OH-radicals and ozone. Science of the Total Environment, 2019, 694, 133745.	8.0	16
27	Theoretical study of the methyl peroxy self-reaction: the intermediate structure. Chemical Physics Letters, 1997, 264, 557-564.	2.6	15
28	Atmospheric degradation of pyridine: UV absorption spectrum and reaction with OH radicals and O3. Chemical Physics Letters, 2016, 662, 141-145.	2.6	13
29	Reactivity of 3-hydroxy-3-methyl-2-butanone: Photolysis and OH reaction kinetics. Atmospheric Environment, 2014, 98, 540-548.	4.1	12
30	An experimental and theoretical study of the kinetics of the reaction between 3-hydroxy-3-methyl-2-butanone and OH radicals. RSC Advances, 2015, 5, 26559-26568.	3.6	12
31	UV spectra and OH-oxidation kinetics of gaseous phase morpholinic compounds. Atmospheric Environment, 2014, 88, 261-268.	4.1	11
32	Kinetics of the heterogeneous photo oxidation of the pesticide bupirimate by OH-radicals and ozone under atmospheric conditions. Chemosphere, 2015, 134, 301-306.	8.2	11
33	UV absorption spectra of trans-2-pentenal, trans-2-hexenal and 2-methyl-2-pentenal. Chemical Physics Letters, 2019, 718, 22-26.	2.6	10
34	Rate Coefficients for the Gasâ€Phase Reaction of Ozone with C5 and C6 Unsaturated Aldehydes. International Journal of Chemical Kinetics, 2018, 50, 47-56.	1.6	9
35	Study of a Benzoylperoxy Radical in the Gas Phase: Ultraviolet Spectrum and C₆H₅C(O)O₂+ HO₂Reaction between 295 and 357 K. Journal of Physical Chemistry A, 2010, 114, 10367-10379.	2.5	8
36	Kinetics and Mechanism of the Tropospheric Reaction of 3-Hydroxy-3-methyl-2-butanone with Cl Atoms. Journal of Physical Chemistry A, 2014, 118, 6163-6170.	2.5	7

#	Article	IF	Citations
37	Kinetics of the photolysis and OH reaction of 4-hydroxy-4-methyl-2-pentanone: Atmospheric implications. Atmospheric Environment, 2017, 150, 256-263.	4.1	7
38	Gas-phase UV absorption spectra and OH-oxidation kinetics of 1H-1,2,3-triazole and pyrazole. RSC Advances, 2019, 9, 27361-27368.	3.6	7
39	N,N-dimethylformamide (DMF), and N,N-dimethylacetamide (DMA) reactions with NO3, OH and Cl: A theoretical study of the kinetics and mechanisms. Arabian Journal of Chemistry, 2019, 12, 4957-4970.	4.9	7
40	Temperature dependent kinetic study of the gas phase reaction of ozone with 1-penten-3-ol, cis-2-penten-1-ol and trans-3-hexen-1-ol: Experimental and theoretical data. Atmospheric Environment, 2020, 223, 117306.	4.1	7
41	Kinetic study of the reaction of chlorine atoms with hydroxyacetone in gas-phase. Chemical Physics Letters, 2013, 590, 221-226.	2.6	6
42	Influence of the coating level on the heterogeneous ozonolysis kinetics and product yields of chlorpyrifos ethyl adsorbed on sand particles. Chemosphere, 2016, 165, 304-310.	8.2	6
43	First Experimental and Theoretical Kinetic Study of the Reaction of 4â€Hydroxyâ€4â€methyl 2â€pentanone as a Function of Temperature. International Journal of Chemical Kinetics, 2016, 48, 584-600.	1.6	6
44	Atmospheric Reaction of Cl with 4-Hydroxy-2-pentanone (4H2P): A Theoretical Study. Journal of Physical Chemistry A, 2018, 122, 2135-2143.	2.5	6
45	Gas-phase reaction of the Cl atoms with dimethylbenzaldehyde isomers. Chemical Physics Letters, 2008, 455, 151-155.	2.6	5
46	Kinetic study of the reaction of nitrate radicals with ethylperoxy radicals between 277 and 358 K. Chemical Physics Letters, 2016, 644, 14-19.	2.6	5
47	Atmospheric degradation of 2- nitrobenzaldehyde: Photolysis and reaction with OH radicals. Atmospheric Environment, 2017, 171, 221-228.	4.1	5
48	An experimental and theoretical study on the kinetics of the reaction between 4â€hydroxyâ€3â€hexanone CH₃CH₂C(O)CH(OH)CH₂CH₃ and OH radicals. International Journal of Chemical Kinetics, 2018, 50, 556-567.	1.6	5
49	Atmospheric reactivity of nitrate radicals: Reaction with peroxy radicals. Atmospheric Environment, 2018, 190, 308-316.	4.1	4
50	Gas-phase ozonolysis of trans-2-hexenal: Kinetics, products, mechanism and SOA formation. Atmospheric Environment, 2021, 253, 118344.	4.1	4
51	Study of ClCH2CH2O2 using modulated photolysis: Ultra-violet spectrum and self-reaction kinetics. Physical Chemistry Chemical Physics, 2003, 5, 2573.	2.8	3
52	Pesticide residue levels in peppers cultivated in Souss Masa valley (Morocco) after multiple applications of azoxystrobin and chlorothalonil. International Journal of Environmental Analytical Chemistry, 2013, 93, 499-510.	3.3	3
53	Gas-phase UV absorption cross-sections and photolysis kinetics of 4-hydroxy-3-hexanone: Atmospheric implications. Chemical Physics Letters, 2017, 688, 43-46.	2.6	3
54	Product investigation of the gas phase ozonolysis of 1-penten-3-ol, cis-2-penten-1-ol and trans-3-hexen-1-ol. Atmospheric Environment, 2020, 238, 117732.	4.1	3

#	Article	IF	Citations
55	Gas-phase UV absorption spectra of a series of of terpenic oxygenated VOC: Nopinone, Myrtenal, Ketolimonene, Limononaldehyde and Caronaldehyde. Chemical Physics Letters, 2022, 803, 139832.	2.6	3
56	Study of (CH3)2C(OH)CH2O2 using modulated photolysis: ultra-violet spectrum and self-reaction kinetics. Physical Chemistry Chemical Physics, 2004, 6, 3389.	2.8	2
57	UV Absorption Cross-Sections of a Series of Dimethylbenzaldehydes. Journal of Physical Chemistry A, 2008, 112, 8731-8736.	2.5	2
58	Gasâ€phase OH oxidation kinetics of pyrazine, pyrimidine, and pyridazine. International Journal of Chemical Kinetics, 2021, 53, 834-844.	1.6	2
59	Study of C2H5O2 using modulated photolysis: ultra-violet spectrum and self-reaction kinetics in the temperature range 233-363 K. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1997, 94, 484-502.	0.2	2
60	Experimental and Theoretical Studies of Trans-2-Pentenal Atmospheric Ozonolysis. Atmosphere, 2022, 13, 291.	2.3	1
61	High-Resolution Measurements of the Absorption Cross-Sections for O3 and NO2. , 1997, , 157-161.		0