

VÃ©ronique DaÃle

List of Publications by Year in descending order

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59
papers

1,211
citations

331670

21
h-index

434195

31
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62
all docs

62
docs citations

62
times ranked

1557
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic de-pollution in the Leopold II tunnel in Brussels: NO _x abatement results. <i>Building and Environment</i> , 2015, 84, 125-133.	6.9	78
2	Kinetics of OH Radical Reactions with Methane in the Temperature Range 295~660 K and with Dimethyl Ether and Methyl-tert-butyl Ether in the Temperature Range 295~618 K. <i>Journal of Physical Chemistry A</i> , 2002, 106, 4384-4389.	2.5	69
3	Seasonal and diurnal variations of BTEX compounds in the semi-urban environment of Orleans, France. <i>Science of the Total Environment</i> , 2017, 574, 1659-1664.	8.0	56
4	Ozone Formation from Illuminated Titanium Dioxide Surfaces. <i>Journal of the American Chemical Society</i> , 2010, 132, 8234-8235.	13.7	49
5	Construction of a photocatalytic de-polluting field site in the Leopold II tunnel in Brussels. <i>Journal of Environmental Management</i> , 2015, 155, 136-144.	7.8	47
6	Rate Coefficients for the Reaction of OH with a Series of Unsaturated Alcohols between 263 and 371 K. <i>Journal of Physical Chemistry A</i> , 2008, 112, 4444-4450.	2.5	43
7	Is the reaction between CH ₃ C(O)O ₂ and NO ₃ important in the night-time troposphere?. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1996, 92, 2211-2222.	1.7	41
8	Rate coefficients for the reactions of OH radicals with the keto/enol tautomers of 2,4-pentanedione and 3-methyl-2,4-pentanedione, allyl alcohol and methyl vinyl ketone using the enols and methyl nitrite as photolytic sources of OH. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005, 176, 183-190.	3.9	39
9	Photocatalytic abatement results from a model street canyon. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18185-18196.	5.3	39
10	Kinetics and Products of Gas-Phase Reactions of Ozone with Methyl Methacrylate, Methyl Acrylate, and Ethyl Acrylate. <i>Journal of Physical Chemistry A</i> , 2010, 114, 8376-8383.	2.5	38
11	Investigation of the reaction of ozone with isoprene, methacrolein and methyl vinyl ketone using the HELIOS chamber. <i>Faraday Discussions</i> , 2017, 200, 289-311.	3.2	36
12	Kinetics of the Reactions CH ₃ O + NO, CH ₃ O + NO ₃ , and CH ₃ O ₂ + NO ₃ . <i>The Journal of Physical Chemistry</i> , 1995, 99, 1470-1477.	2.9	34
13	On-road measurements of NMVOCs and NO _x : Determination of light-duty vehicles emission factors from tunnel studies in Brussels city center. <i>Atmospheric Environment</i> , 2015, 122, 799-807.	4.1	31
14	Gas phase reaction of allyl alcohol (2-propen-1-ol) with OH radicals and ozone. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7619.	2.8	30
15	Studies of the Gas Phase Reactions of Linalool, 6-Methyl-5-hepten-2-ol and 3-Methyl-1-penten-3-ol with O ₃ and OH Radicals. <i>Journal of Physical Chemistry A</i> , 2012, 116, 6113-6126.	2.5	29
16	The near UV absorption cross-sections and the rate coefficients for the ozonolysis of a series of styrene-like compounds. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 195, 54-63.	3.9	25
17	Measurements of nitrous acid (HONO) in urban area of Shanghai, China. <i>Environmental Science and Pollution Research</i> , 2016, 23, 5818-5829.	5.3	25
18	Seasonal, diurnal and nocturnal variations of carbonyl compounds in the semi-urban environment of Orleans, France. <i>Journal of Environmental Sciences</i> , 2016, 40, 84-91.	6.1	25

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19	Studies on atmospheric degradation of diazinon in the EUPHORE simulation chamber. <i>Chemosphere</i> , 2011, 85, 724-730.	8.2	24
20	Kinetic Study of the Reactions of C ₂ H ₅ O and C ₂ H ₅ O ₂ with NO ₃ at 298 K. <i>The Journal of Physical Chemistry</i> , 1996, 100, 5737-5744.	2.9	23
21	Kinetics of the Reactions of NO ₃ Radical with Methacrylate Esters. <i>Journal of Physical Chemistry A</i> , 2017, 121, 4464-4474.	2.5	22
22	Marine organic matter in the remote environment of the Cape Verde islands – an introduction and overview to the MarParCloud campaign. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 6921-6951.	4.9	21
23	Kinetic study of reactions of C ₂ H ₅ O ₂ with NO at 298 K and 0.55 - 2 torr. <i>International Journal of Chemical Kinetics</i> , 1995, 27, 1121-1133.	1.6	19
24	Thresholds of secondary organic aerosol formation by ozonolysis of monoterpenes measured in a laminar flow aerosol reactor. <i>Journal of Aerosol Science</i> , 2012, 43, 14-30.	3.8	19
25	Reaction Rate Coefficients of OH Radicals and Cl Atoms with Ethyl Propanoate, <i>n</i> -Propyl Propanoate, Methyl 2-Methylpropanoate, and Ethyl <i>n</i> -Butanoate. <i>Journal of Physical Chemistry A</i> , 2009, 113, 10745-10752.	2.5	18
26	A tunable diode laser absorption spectrometer for formaldehyde atmospheric measurements validated by simulation chamber instrumentation. <i>Journal of Environmental Sciences</i> , 2012, 24, 22-33.	6.1	18
27	Atmospheric Chemistry of Benzyl Alcohol: Kinetics and Mechanism of Reaction with OH Radicals. <i>Environmental Science & Technology</i> , 2013, 47, 3182-3189.	10.0	18
28	Atmospheric degradation of lindane and 1,3-dichloroacetone in the gas phase. Studies at the EUPHORE simulation chamber. <i>Chemosphere</i> , 2015, 138, 112-119.	8.2	17
29	Fine particles at a background site in Central France: Chemical compositions, seasonal variations and pollution events. <i>Science of the Total Environment</i> , 2018, 612, 1159-1170.	8.0	17
30	Kinetics of OH radical reactions with a series of symmetric acetals in the temperature range 293-617 K. <i>Physical Chemistry Chemical Physics</i> , 2001, 3, 4939-4945.	2.8	16
31	Kinetics of the reactions of CH ₃ O with Br and BrO at 298 K. <i>International Journal of Chemical Kinetics</i> , 1998, 30, 249-255.	1.6	14
32	NitroMAC: An instrument for the measurement of HONO and intercomparison with a long-path absorption photometer. <i>Journal of Environmental Sciences</i> , 2016, 40, 105-113.	6.1	14
33	Atmospheric Degradation Initiated by OH Radicals of the Potential Foam Expansion Agent, CF ₃ (CF ₂) ₂ CH ₂ CH ₂ (HFC-1447fz): Kinetics and Formation of Gaseous Products and Secondary Organic Aerosols. <i>Environmental Science & Technology</i> , 2016, 50, 1234-1242.	10.0	14
34	Atmospheric Fate and Impact of Perfluorinated Butanone and Pentanone. <i>Environmental Science & Technology</i> , 2019, 53, 8862-8871.	10.0	13
35	Absolute and relative rate constants for the reactions of OH and Cl with pentanols. <i>Chemical Physics Letters</i> , 2013, 582, 38-43.	2.6	12
36	Rate coefficients for the reaction of ozone with 2- and 3-carene. <i>Chemical Physics Letters</i> , 2015, 621, 71-77.	2.6	12

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37	Atmospheric chemistry of (CF ₃) ₂ CH ₂ : OH radicals, Cl atoms and O ₃ rate coefficients, oxidation end-products and IR spectra. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 25607-25620.	2.8	12
38	Kinetics of the reactions of NO ₃ radical with alkanes. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 4246-4257.	2.8	12
39	NO ₃ ; chemistry of wildfire emissions: a kinetic study of the gas-phase reactions of furans with the NO ₃ radical. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 1761-1772.	4.9	12
40	Rate coefficients for the reactions of OH radical and ozone with a series of unsaturated esters. <i>Atmospheric Environment</i> , 2019, 200, 243-253.	4.1	11
41	The fate of methyl salicylate in the environment and its role as signal in multitrophic interactions. <i>Science of the Total Environment</i> , 2020, 749, 141406.	8.0	11
42	Kinetic studies of Cl reactions with 3-buten-1-ol and 2-buten-1-ol over the temperature range 298â€“363K. <i>Chemical Physics Letters</i> , 2011, 502, 154-158.	2.6	9
43	Reaction of NO ₂ with Selected Conjugated Alkenes. <i>Journal of Physical Chemistry A</i> , 2013, 117, 14132-14140.	2.5	9
44	Kinetic and product studies of Cl atoms reactions with a series of branched Ketones. <i>Journal of Environmental Sciences</i> , 2018, 71, 271-282.	6.1	9
45	Photochemical reaction playing a key role in particulate matter pollution over Central France: Insight from the aerosol optical properties. <i>Science of the Total Environment</i> , 2019, 657, 1074-1084.	8.0	9
46	Rate Coefficients for Reactions of OH and Cl with Esters. <i>ChemPhysChem</i> , 2010, 11, 4097-4102.	2.1	8
47	Diurnal variation and potential sources of indoor formaldehyde at elementary school, high school and university in the Centre Val de Loire region of France. <i>Science of the Total Environment</i> , 2022, 811, 152271.	8.0	8
48	Kinetic and product studies of the reactions of NO ₃ with a series of unsaturated organic compounds. <i>Journal of Environmental Sciences</i> , 2020, 95, 111-120.	6.1	7
49	Reactions of NO ₃ with aromatic aldehydes: gas-phase kinetics and insights into the mechanism of the reaction. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13537-13551.	4.9	7
50	Gas-phase reaction of the Cl atoms with dimethylbenzaldehyde isomers. <i>Chemical Physics Letters</i> , 2008, 455, 151-155.	2.6	5
51	Atmospheric Chemistry of 1-Methoxy 2-Propyl Acetate: UV Absorption Cross Sections, Rate Coefficients, and Products of Its Reactions with OH Radicals and Cl Atoms. <i>Journal of Physical Chemistry A</i> , 2016, 120, 9049-9062.	2.5	5
52	Reactive uptake of NO ₂ on volcanic particles: A possible source of HONO in the atmosphere. <i>Journal of Environmental Sciences</i> , 2020, 95, 155-164.	6.1	5
53	Gas-Phase Rate Coefficient of OH + 1,2-Epoxybutane Determined between 220 and 950 K. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 960-968.	2.7	5
54	Atmospheric chemistry of ketones: Reaction of OH radicals with 2-methyl-3-pentanone, 3-methyl-2-pentanone and 4-methyl-2-pentanone. <i>Science of the Total Environment</i> , 2021, 780, 146249.	8.0	5

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55	Ambient BTEX Concentrations during the COVID-19 Lockdown in a Peri-Urban Environment (Orléans, France). <i>Environmental Science and Technology</i> , 2021, 55, 10784-10791.	10.7843	145
56	Atmospheric loss of nitrous oxide (N ₂ O) is not influenced by its potential reactions with OH and NO ₃ radicals. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 24592-24600.	2.8	4
57	Reactions of OH and Cl with isopropyl formate, isobutyl formate, n-propyl isobutyrate and isopropyl isobutyrate. <i>Chemical Physics Letters</i> , 2014, 602, 68-74.	2.6	3
58	Gas-phase rate coefficient of OH + cyclohexene oxide measured from 251 to 373 K. <i>Chemical Physics Letters</i> , 2021, 783, 139056.	2.6	3
59	Size Distribution and Optical Properties of Ambient Aerosols during Autumn in Orleans, France. <i>Aerosol and Air Quality Research</i> , 2014, 14, 744-755.	2.1	2