

Patrice Coddeville

List of Publications by Year in descending order

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61
papers

1,345
citations

430754

18
h-index

377752

34
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62
all docs

62
docs citations

62
times ranked

2044
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and Theoretical Studies of Trans-2-Pentenal Atmospheric Ozonolysis. <i>Atmosphere</i> , 2022, 13, 291.	1.0	1
2	A versatile method for the quantification of 100 SVOCs from various families: Application to indoor air, dust and bioaccessibility evaluation. <i>Microchemical Journal</i> , 2021, 169, 106574.	2.3	6
3	Phosphate Buffer Solubility and Oxidative Potential of Single Metals or Multielement Particles of Welding Fumes. <i>Atmosphere</i> , 2021, 12, 30.	1.0	4
4	Development and validation of a thermally regulated atmospheric simulation chamber (THALAMOS): A versatile tool to simulate atmospheric processes. <i>Journal of Environmental Sciences</i> , 2020, 95, 141-154.	3.2	7
5	Kinetic Measurements of Cl Atom Reactions with C5-C8 Unsaturated Alcohols. <i>Atmosphere</i> , 2020, 11, 256.	1.0	8
6	Identification of indoor air quality events using a K-means clustering analysis of gas sensors data. <i>Sensors and Actuators B: Chemical</i> , 2019, 297, 126709.	4.0	18
7	Investigation of indoor air quality in a low energy high school building combining micro gas sensors and unsupervised learning. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 609, 042027.	0.3	0
8	Air pollution-derived PM2.5 impairs mitochondrial function in healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells. <i>Environmental Pollution</i> , 2018, 243, 1434-1449.	3.7	102
9	Transcriptomic alterations induced by air pollution-derived PM2.5 reflect the shift from healthy to COPD-diseased human bronchial epithelium. , 2018, , .		0
10	Mitochondrion: a critical target for the toxicity of air pollution-derived PM2.5 in healthy and COPD human bronchial epithelial cells. , 2018, , .		0
11	Indoor particle dynamics in schools: Determination of air exchange rate, size-resolved particle deposition rate and penetration factor in real-life conditions. <i>Indoor and Built Environment</i> , 2017, 26, 1335-1350.	1.5	28
12	Particulate metal bioaccessibility in physiological fluids and cell culture media: Toxicological perspectives. <i>Environmental Research</i> , 2017, 156, 148-157.	3.7	40
13	Effects of scavengers of Criegee intermediates and OH radicals on the formation of secondary organic aerosol in the ozonolysis of limonene. <i>Journal of Aerosol Science</i> , 2017, 110, 70-83.	1.8	17
14	Tenax-TA Spiking Approach of Thermal Desorption Coupled to GC-MSMS for the Quantification of PAHs in Indoor Air and Dust. <i>Polycyclic Aromatic Compounds</i> , 2017, 37, 170-177.	1.4	8
15	Kinetics of the photolysis and OH reaction of 4-hydroxy-4-methyl-2-pentanone: Atmospheric implications. <i>Atmospheric Environment</i> , 2017, 150, 256-263.	1.9	7
16	Atmospheric Chemistry of \hat{I} -diketones: Kinetics of C ₅ and C ₆ Compounds with Cl Atoms and OH Radicals. <i>International Journal of Chemical Kinetics</i> , 2017, 49, 112-118.	1.0	4
17	Gas-phase UV absorption cross-sections and photolysis kinetics of 4-hydroxy-3-hexanone: Atmospheric implications. <i>Chemical Physics Letters</i> , 2017, 688, 43-46.	1.2	3
18	Experimental and theoretical investigations of the kinetics and mechanism of the Cl ⁺ -4-hydroxy-4-methyl-2-pentanone reaction. <i>Atmospheric Environment</i> , 2017, 166, 315-326.	1.9	12

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19	Genetic and epigenetic alterations in normal and sensitive COPD-diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM 2.5. <i>Environmental Pollution</i> , 2017, 230, 163-177.	3.7	73
20	Unsupervised K-means learning applied to the investigation of indoor air quality events with electronic gas sensors networks. , 2017, , .		0
21	UV-light induced solid-phase photodegradation in PANI nanocomposites. , 2017, , .		0
22	Performances and limitations of electronic gas sensors to investigate an indoor air quality event. <i>Building and Environment</i> , 2016, 107, 19-28.	3.0	42
23	Acid-dopant effects in the formation and properties of polycarbonate-polyaniline composites. <i>Synthetic Metals</i> , 2016, 217, 266-275.	2.1	13
24	Influence of Dispersed Nanoparticles on the Kinetics of Formation and Molecular Mass of Polyaniline. <i>Journal of Physical Chemistry B</i> , 2016, 120, 10106-10113.	1.2	7
25	The PANI-DBSA content and dispersing solvent as influencing parameters in sensing performances of TiO ₂ /PANI-DBSA hybrid nanocomposites to ammonia. <i>RSC Advances</i> , 2016, 6, 82625-82634.	1.7	11
26	Differential responses of healthy and chronic obstructive pulmonary diseased human bronchial epithelial cells repeatedly exposed to air pollution-derived PM4. <i>Environmental Pollution</i> , 2016, 218, 1074-1088.	3.7	58
27	Variability of mineral dust deposition in the western Mediterranean basin and south-east of France. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8749-8766.	1.9	51
28	Contrasted spatial and long-term trends in precipitation chemistry and deposition fluxes at rural stations in France. <i>Atmospheric Environment</i> , 2016, 146, 28-43.	1.9	38
29	Ozonolysis of a Series of Methylated Alkenes: Reaction Rate Coefficients and Gas-Phase Products. <i>International Journal of Chemical Kinetics</i> , 2015, 47, 596-605.	1.0	1
30	Ammonia/amine electronic gas sensors based on hybrid polyaniline-TiO ₂ nanocomposites. The effects of titania and the surface active doping acid. <i>RSC Advances</i> , 2015, 5, 20218-20226.	1.7	45
31	Recent developments of passive samplers for measuring material emission rates: Toward simple tools to help improving indoor air quality. <i>Building and Environment</i> , 2015, 93, 106-114.	3.0	7
32	Investigation of the Gas-Phase Photolysis and Temperature-Dependent OH Reaction Kinetics of 4-Hydroxy-2-butanone. <i>Environmental Science & Technology</i> , 2015, 49, 12178-12186.	4.6	15
33	Low-Pressure Photolysis of 2,3-Pentanedione in Air: Quantum Yields and Reaction Mechanism. <i>Journal of Physical Chemistry A</i> , 2015, 119, 12781-12789.	1.1	15
34	Reactivity of 3-hydroxy-3-methyl-2-butanone: Photolysis and OH reaction kinetics. <i>Atmospheric Environment</i> , 2014, 98, 540-548.	1.9	12
35	Indoor-outdoor behavior and sources of size-resolved airborne particles in French classrooms. <i>Building and Environment</i> , 2014, 81, 183-191.	3.0	29
36	Experimental Study of the Reactions of Limonene with OH and OD Radicals: Kinetics and Products. <i>Journal of Physical Chemistry A</i> , 2014, 118, 9482-9490.	1.1	16

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37	Investigation of formaldehyde sources in French schools using a passive flux sampler. Building and Environment, 2014, 71, 111-120.	3.0	32
38	Photolysis of 2,3-pentanedione and 2,3-hexanedione: Kinetics, quantum yields, and product study in a simulation chamber. Atmospheric Environment, 2014, 82, 250-257.	1.9	18
39	Development of a New Flow Reactor for Kinetic Studies. Application to the Ozonolysis of a Series of Alkenes. Journal of Physical Chemistry A, 2012, 116, 6169-6179.	1.1	13
40	Elemental characterization and source identification of size resolved atmospheric particles in French classrooms. Atmospheric Environment, 2012, 54, 250-259.	1.9	52
41	First Direct Detection of HONO in the Reaction of Methylnitrite (CH ₃ ONO) with OH Radicals. Environmental Science & Technology, 2011, 45, 608-614.	4.6	11
42	Atmospheric Chemistry of 2,3-Pentanedione: Photolysis and Reaction with OH Radicals. Journal of Physical Chemistry A, 2011, 115, 9160-9168.	1.1	16
43	First Cavity Ring-Down Spectroscopy HO ₂ Measurements in a Large Photoreactor. Zeitschrift Fur Physikalische Chemie, 2011, 225, 938-992.	1.4	8
44	Long term measurement and source apportionment of non-methane hydrocarbons in three French rural areas. Atmospheric Environment, 2009, 43, 2430-2441.	1.9	80
45	Kinetics of the •OH-radical initiated reactions of acetic acid and its deuterated isomers. Reaction Kinetics and Catalysis Letters, 2009, 96, 299-309.	0.6	8
46	Near-surface ozone levels and trends at rural stations in France over the 1995–2003 period. Environmental Monitoring and Assessment, 2009, 156, 141-157.	1.3	45
47	European surface ozone in the extreme summer 2003. Journal of Geophysical Research, 2008, 113, .	3.3	174
48	Trends in Chemical Composition of Wet-only Precipitation at Rural French Monitoring Stations Over the 1990–2003 Period. Water, Air and Soil Pollution, 2007, 7, 49-58.	0.8	19
49	Trends in Chemical Composition of Wet-only Precipitation at Rural French Monitoring Stations Over the 1990–2003 Period. , 2007, , 49-58.		0
50	Trends and sources identification of non-methane hydrocarbons (NMHC) concentration in rural areas in France. WIT Transactions on Ecology and the Environment, 2007, , .	0.0	0
51	Use of cw-CRDS for studying the atmospheric oxidation of acetic acid in a simulation chamber. Applied Physics B: Lasers and Optics, 2006, 85, 467-476.	1.1	16
52	Characterising sources and sinks of rural VOC in eastern France. Chemosphere, 2004, 57, 931-942.	4.2	43
53	Biological fluxes conversion and SXRF experiment with a new active biomonitoring tool for atmospheric metals and trace element deposition. Environmental Pollution, 2002, 120, 47-58.	3.7	17
54	Possible source areas and influential factors for sulphur compounds in Morvan, France. Atmospheric Environment, 2001, 35, 1387-1393.	1.9	5

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55	A study of the source–receptor relationships influencing the acidity of precipitation collected at a rural site in France. <i>Atmospheric Environment</i> , 2000, 34, 3665-3674.	1.9	34
56	A Comparison of Precipitation Sensors Used on the Wet-Only Collectors. <i>Environmental Monitoring and Assessment</i> , 1998, 51, 657-671.	1.3	8
57	Intercomparison between three receptor-oriented models applied to acidic species in precipitation. <i>Science of the Total Environment</i> , 1998, 223, 53-63.	3.9	15
58	Dynamic Validation Procedure for the Mera and French WMO-GAW Precipitation Chemistry Networks. <i>Water, Air, and Soil Pollution</i> , 1997, 93, 267-284.	1.1	0
59	Spatial variability and source identification of rural precipitation chemistry in France. <i>Science of the Total Environment</i> , 1996, 180, 257-270.	3.9	15
60	A Qualitative Determination of the Source Locations of Precipitation Constituents in Morvan, France. <i>Environmental Technology (United Kingdom)</i> , 1996, 17, 977-986.	1.2	13
61	Effect of clouds on photolysis rates at the surface: A practical method of estimation and its application to a modeling study of the formation of photochemical oxidants. <i>Atmospheric Environment Part A General Topics</i> , 1990, 24, 1705-1711.	1.3	5