

Karine Deboudt

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

1,187
citations

430442

18
h-index

377514

34
g-index

45
all docs

45
docs citations

45
times ranked

1914
citing authors

#	ARTICLE	IF	CITATIONS
1	Zn isotope study of atmospheric emissions and dry depositions within a 5 km radius of a Pb-Zn refinery. <i>Atmospheric Environment</i> , 2009, 43, 1265-1272.	1.9	121
2	Atmospheric reactivity of hydroxyl radicals with guaiacol (2-methoxyphenol), a biomass burning emitted compound: Secondary organic aerosol formation and gas-phase oxidation products. <i>Atmospheric Environment</i> , 2014, 86, 155-163.	1.9	93
3	European isotopic signatures for lead in atmospheric aerosols: a source apportionment based upon 206Pb/207Pb ratios. <i>Science of the Total Environment</i> , 2002, 296, 35-57.	3.9	85
4	Organic aerosols over Indo-Gangetic Plain: Sources, distributions and climatic implications. <i>Atmospheric Environment</i> , 2017, 157, 59-74.	1.9	76
5	Mixing state of aerosols and direct observation of carbonaceous and marine coatings on African dust by individual particle analysis. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	62
6	Aerosol chemistry, transport, and climatic implications during extreme biomass burning emissions over the Indo-Gangetic Plain. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14197-14215.	1.9	60
7	Quantitative Determination of Low-Z Elements in Single Atmospheric Particles on Boron Substrates by Automated Scanning Electron Microscopy-Energy-Dispersive X-ray Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 5686-5692.	3.2	55
8	Fine and Ultrafine Particles in the Vicinity of Industrial Activities: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , 2015, 45, 2305-2356.	6.6	50
9	Cd, Cu, Pb and Zn Concentrations in Atmospheric Wet Deposition at a Coastal Station in Western Europe. <i>Water, Air, and Soil Pollution</i> , 2004, 151, 335-359.	1.1	48
10	Single-particle analysis of atmospheric aerosols at Cape Gris-Nez, English Channel: Influence of steel works on iron apportionment. <i>Atmospheric Environment</i> , 2007, 41, 2820-2830.	1.9	48
11	Fast changes in chemical composition and size distribution of fine particles during the near-field transport of industrial plumes. <i>Science of the Total Environment</i> , 2012, 427-428, 126-138.	3.9	47
12	Iron isotopic fractionation in industrial emissions and urban aerosols. <i>Chemosphere</i> , 2008, 73, 1793-1798.	4.2	44
13	Assessment of pollution aerosols sources above the Straits of Dover using lead isotope geochemistry. <i>Science of the Total Environment</i> , 1999, 236, 57-74.	3.9	40
14	Fe and Mn Oxidation States by TEM-EELS in Fine-Particle Emissions from a Fe-Mn Alloy Making Plant. <i>Environmental Science & Technology</i> , 2013, 47, 10832-10840.	4.6	36
15	Development of Time-Resolved Description of Aerosol Properties at the Particle Scale During an Episode of Industrial Pollution Plume. <i>Water, Air, and Soil Pollution</i> , 2010, 209, 93-107.	1.1	32
16	Redox speciation and mixing state of iron in individual African dust particles. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	24
17	Scanning electron microscopy-energy dispersive X-ray spectrometry (SEM-EDX) and aerosol time-of-flight mass spectrometry (ATOFMS) single particle analysis of metallurgy plant emissions. <i>Environmental Pollution</i> , 2016, 210, 9-17.	3.7	24
18	Changes in the lead content of atmospheric aerosols above the Eastern Channel between 1982/83 and 1994. <i>Science of the Total Environment</i> , 1996, 192, 193-206.	3.9	21

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19	Impact of Sea Breeze Dynamics on Atmospheric Pollutants and Their Toxicity in Industrial and Urban Coastal Environments. <i>Remote Sensing</i> , 2020, 12, 648.	1.8	20
20	Mineral dust and carbonaceous aerosols in West Africa: Source assessment and characterization. <i>Atmospheric Environment</i> , 2011, 45, 3742-3749.	1.9	18
21	Insights into size-segregated particulate chemistry and sources in urban environment over central Indo-Gangetic Plain. <i>Chemosphere</i> , 2021, 263, 128030.	4.2	18
22	Copolymers of N-vinyl-2-pyrrolidone and 2-(dimethylamino)ethyl methacrylate, 1. Synthesis, characterization, quaternization. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 279-290.	1.1	17
23	Review of pollutant lead decline in urban air and human blood: A case study from northwestern Europe. <i>Comptes Rendus - Geoscience</i> , 2015, 347, 247-256.	0.4	17
24	Effect of sea breeze circulation on aerosol mixing state and radiative properties in a desert setting. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 11331-11353.	1.9	17
25	Investigation on the near-field evolution of industrial plumes from metalworking activities. <i>Science of the Total Environment</i> , 2019, 668, 443-456.	3.9	16
26	Evidencing lead deposition at the urban scale using "short-lived" isotopic signatures of the source term (Pb-Zn refinery). <i>Atmospheric Environment</i> , 2004, 38, 5157-5168.	1.9	15
27	Key factors explaining severe air pollution episodes in Hanoi during 2019 winter season. <i>Atmospheric Pollution Research</i> , 2021, 12, 101068.	1.8	13
28	Microscopic Observations of Core-Shell Particle Structure and Implications for Atmospheric Aerosol Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 13,944.	1.2	12
29	FILTER-FREE LIGHT ABSORPTION MEASUREMENT OF VOLCANIC ASHES AND AMBIENT PARTICULATE MATTER USING MULTI-WAVELENGTH PHOTOACOUSTIC SPECTROSCOPY. <i>Progress in Electromagnetics Research</i> , 2019, 166, 59-74.	1.6	10
30	Characterization and source apportionment of single particles from metalworking activities. <i>Environmental Pollution</i> , 2021, 270, 116078.	3.7	7
31	Copolymers of N-vinyl-2-pyrrolidone and 2-(dimethylamino)ethyl methacrylate, 3. Viscosity of quaternized copolymers in aqueous solution. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 303-314.	1.1	6
32	Aerosol variability induced by atmospheric dynamics in a coastal area of Senegal, North-Western Africa. <i>Atmospheric Environment</i> , 2019, 203, 228-241.	1.9	6
33	Sources, Composition, and Mixing State of Submicron Particulates over the Central Indo-Gangetic Plain. <i>ACS Earth and Space Chemistry</i> , 2021, 5, 2052-2065.	1.2	6
34	In-cloud processing as a possible source of isotopically light iron from anthropogenic aerosols: New insights from a laboratory study. <i>Atmospheric Environment</i> , 2021, 259, 118505.	1.9	6
35	Copolymers of N-vinyl-2-pyrrolidone and 2-(dimethylamino)ethyl methacrylate, 2. Quaternization with octyl bromide " kinetic studies. <i>Macromolecular Chemistry and Physics</i> , 1995, 196, 291-302.	1.1	4
36	Evaluation of hirst-type sampler and PM10 impactor for investigating adhesion of atmospheric particles onto allergenic pollen grains. <i>Aerobiologia</i> , 2020, 36, 657-668.	0.7	4

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37	The lead content of atmospheric aerosols above the eastern channel: seasonal variability and solubility in a coastal seawater. , 1998, , 317-332.		2
38	Development and Characterization of a Time-Sequenced Cascade Impactor: Application to Transient PM2.5 Pollution Events in Urbanized and Industrialized Environments. Atmosphere, 2022, 13, 244.	1.0	2
39	Laboratory study of iron isotope fractionation during dissolution of mineral dust and industrial ash in simulated cloud water. Chemosphere, 2022, 299, 134472.	4.2	2
40	Title is missing!. Hydrobiologia, 1998, 373/374, 317-332.	1.0	1
41	Formation of secondary organic aerosols from the reaction of $\hat{1}^3$ -terpinene with ozone: yields and morphology. Atmospheric Environment, 2021, 262, 118600.	1.9	1
42	Atmospheric particulate matter deposition on birch catkins and pollen grains before pollination. Aerobiologia, 0, , 1.	0.7	0