

# Karine Deboudt

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

42  
papers

950  
citations

18  
h-index

30  
g-index

45  
ext. papers

1,065  
ext. citations

5.8  
avg, IF

3.92  
L-index

#	Paper	IF	Citations
42	Development and Characterization of a Time-Sequenced Cascade Impactor: Application to Transient PM <sub>2.5</sub> Pollution Events in Urbanized and Industrialized Environments. <i>Atmosphere</i> , <b>2022</b> , 13, 244	2.7	0
41	Laboratory study of iron isotope fractionation during dissolution of mineral dust and industrial ash in simulated cloud water.. <i>Chemosphere</i> , <b>2022</b> , 134472	8.4	0
40	Key Factors explaining severe air pollution episodes in Hanoi during 2019 winter season. <i>Atmospheric Pollution Research</i> , <b>2021</b> , 12, 101068	4.5	5
39	Insights into size-segregated particulate chemistry and sources in urban environment over central Indo-Gangetic Plain. <i>Chemosphere</i> , <b>2021</b> , 263, 128030	8.4	11
38	Characterization and source apportionment of single particles from metalworking activities. <i>Environmental Pollution</i> , <b>2021</b> , 270, 116078	9.3	2
37	Sources, Composition, and Mixing State of Submicron Particulates over the Central Indo-Gangetic Plain. <i>ACS Earth and Space Chemistry</i> , <b>2021</b> , 5, 2052-2065	3.2	0
36	In-cloud processing as a possible source of isotopically light iron from anthropogenic aerosols: New insights from a laboratory study. <i>Atmospheric Environment</i> , <b>2021</b> , 259, 118505	5.3	3
35	Formation of secondary organic aerosols from the reaction of $\beta$ -terpinene with ozone: yields and morphology. <i>Atmospheric Environment</i> , <b>2021</b> , 262, 118600	5.3	1
34	Impact of Sea Breeze Dynamics on Atmospheric Pollutants and Their Toxicity in Industrial and Urban Coastal Environments. <i>Remote Sensing</i> , <b>2020</b> , 12, 648	5	7
33	Evaluation of first-type sampler and PM <sub>10</sub> impactor for investigating adhesion of atmospheric particles onto allergenic pollen grains. <i>Aerobiologia</i> , <b>2020</b> , 36, 657-668	2.4	4
32	Investigation on the near-field evolution of industrial plumes from metalworking activities. <i>Science of the Total Environment</i> , <b>2019</b> , 668, 443-456	10.2	14
31	Aerosol variability induced by atmospheric dynamics in a coastal area of Senegal, North-Western Africa. <i>Atmospheric Environment</i> , <b>2019</b> , 203, 228-241	5.3	4
30	FILTER-FREE LIGHT ABSORPTION MEASUREMENT OF VOLCANIC ASHES AND AMBIENT PARTICULATE MATTER USING MULTI-WAVELENGTH PHOTOACOUSTIC SPECTROSCOPY. <i>Progress in Electromagnetics Research</i> , <b>2019</b> , 166, 59-74	3.8	7
29	Microscopic Observations of Core-Shell Particle Structure and Implications for Atmospheric Aerosol Remote Sensing. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 13,944	4.4	6
28	Aerosol chemistry, transport, and climatic implications during extreme biomass burning emissions over the Indo-Gangetic Plain. <i>Atmospheric Chemistry and Physics</i> , <b>2018</b> , 18, 14197-14215	6.8	39
27	Organic aerosols over Indo-Gangetic Plain: Sources, distributions and climatic implications. <i>Atmospheric Environment</i> , <b>2017</b> , 157, 59-74	5.3	52
26	Effect of sea breeze circulation on aerosol mixing state and radiative properties in a desert setting. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 11331-11353	6.8	15

25	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> , <b>2016</b> , 210, 9-17	9.3	18
24	Review of pollutant lead decline in urban air and human blood: A case study from northwestern Europe. <i>Comptes Rendus - Geoscience</i> , <b>2015</b> , 347, 247-256	1.4	9
23	Fine and Ultrafine Particles in the Vicinity of Industrial Activities: A Review. <i>Critical Reviews in Environmental Science and Technology</i> , <b>2015</b> , 45, 2305-2356	11.1	40
22	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> , <b>2014</b> , 86, 155-163	5.3	76
21	Fe and Mn oxidation states by TEM-EELS in fine-particle emissions from a Fe-Mn alloy making plant. <i>Environmental Science &amp; Technology</i> , <b>2013</b> , 47, 10832-40	10.3	32
20	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> , <b>2012</b> , 427-428, 126-38	10.2	44
19	Red-ox speciation and mixing state of iron in individual African dust particles. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		21
18	Mineral dust and carbonaceous aerosols in West Africa: Source assessment and characterization. <i>Atmospheric Environment</i> , <b>2011</b> , 45, 3742-3749	5.3	13
17	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> , <b>2010</b> , 115,		55
16	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> , <b>2010</b> , 209, 93-107	2.6	29
15	Zn isotope study of atmospheric emissions and dry depositions within a 5 km radius of a PbZn refinery. <i>Atmospheric Environment</i> , <b>2009</b> , 43, 1265-1272	5.3	106
14	Iron isotopic fractionation in industrial emissions and urban aerosols. <i>Chemosphere</i> , <b>2008</b> , 73, 1793-8	8.4	40
13	Single-particle analysis of atmospheric aerosols at Cape Gris-Nez, English Channel: Influence of steel works on iron apportionment. <i>Atmospheric Environment</i> , <b>2007</b> , 41, 2820-2830	5.3	41
12	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> , <b>2005</b> , 77, 5686-92	7.8	46
11	Evidencing lead deposition at the urban scale using short-lived isotopic signatures of the source term (PbZn refinery). <i>Atmospheric Environment</i> , <b>2004</b> , 38, 5157-5168	5.3	14
10	Cd, Cu, Pb and Zn Concentrations in Atmospheric Wet Deposition at a Coastal Station in Western Europe. <i>Water, Air, and Soil Pollution</i> , <b>2004</b> , 151, 335-359	2.6	38
9	European isotopic signatures for lead in atmospheric aerosols: a source apportionment based upon 206Pb/207Pb ratios. <i>Science of the Total Environment</i> , <b>2002</b> , 296, 35-57	10.2	77
8	Assessment of pollution aerosols sources above the Straits of Dover using lead isotope geochemistry. <i>Science of the Total Environment</i> , <b>1999</b> , 236, 57-74	10.2	36

7	The lead content of atmospheric aerosols above the eastern channel: seasonal variability and solubility in a coastal seawater. <i>Hydrobiologia</i> , <b>1998</b> , 373/374, 317-332	2.4	1
6	The lead content of atmospheric aerosols above the eastern channel: seasonal variability and solubility in a coastal seawater <b>1998</b> , 317-332		1
5	Changes in the lead content of atmospheric aerosols above the Eastern Channel between 1982/83 and 1994. <i>Science of the Total Environment</i> , <b>1996</b> , 192, 193-206	10.2	19
4	Copolymers of N-vinyl-2-pyrrolidone and 2-(dimethylamino)ethyl methacrylate, 1. Synthesis, characterization, quaternization. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 279-290	2.6	14
3	Copolymers of N-vinyl-2-pyrrolidone and 2-(dimethylamino)ethyl methacrylate, 2. Quaternization with octyl bromide kinetic studies. <i>Macromolecular Chemistry and Physics</i> , <b>1995</b> , 196, 291-302	2.6	3
2	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> , <b>1995</b> , 196, 303-314	2.6	6
1	Atmospheric particulate matter deposition on birch catkins and pollen grains before pollination. <i>Aerobiologia</i> ,1	2.4	