Claudio A Belis

List of Publications by Year
in descending order

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48	3,035	24	49
papers	citations	h-index	g-index
		257450	197818
54	54	54	4272
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Contributions to cities' ambient particulate matter (PM): A systematic review of local source contributions at global level. Atmospheric Environment, 2015, 120, 475-483.	4.1	717
2	Critical review and meta-analysis of ambient particulate matter source apportionment using receptor models in Europe. Atmospheric Environment, 2013, 69, 94-108.	4.1	472
3	ACTRIS ACSM intercomparison â€“ Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. Atmospheric Measurement Techniques, 2015, 8, 2555-2576.	3.1	118
4	Sources for PM air pollution in the Po Plain, Italy: II. Probabilistic uncertainty characterization and sensitivity analysis of secondary and primary sources. Atmospheric Environment, 2012, 50, 203-213.	4.1	108
5	ACTRIS ACSM intercomparison â€“ Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. Atmospheric Measurement Techniques, 2015, 8, 5063-5087.	3.1	104
6	SPECIEUROPE: The European data base for PM source profiles. Atmospheric Pollution Research, 2016, 7, 307-314.	3.8	94
7	Sources for PM air pollution in the Po Plain, Italy: I. Critical comparison of methods for estimating biomass burning contributions to benzo(a)pyrene. Atmospheric Environment, 2011, 45, 7266-7275.	4.1	89
8	Source apportionment and sensitivity analysis: two methodologies with two different purposes. Geoscientific Model Development, 2017, 10, 4245-4256.	3.6	84
9	Estimates of wood burning contribution to PM by the macro-tracer method using tailored emission factors. Atmospheric Environment, 2011, 45, 6642-6649.	4.1	83
10	Source apportionment to support air quality planning: Strengths and weaknesses of existing approaches. Environment International, 2019, 130, 104825.	10.0	83
11	Environmental and climatic conditions at a potential Glacial refugial site of tree species near the Southern Alpine glaciers. New insights from multiproxy sedimentary studies at Lago della Costa (Euganean Hills, Northeastern Italy). Quaternary Science Reviews, 2009, 28, 2647-2662.	3.0	69
12	PM2.5 source allocation in European cities: A SHERPA modelling study. Atmospheric Environment, 2018, 187, 93-106.	4.1	69
13	Ambient particulate matter source apportionment using receptor modelling in European and Central Asia urban areas. Environmental Pollution, 2020, 266, 115199.	7.5	66
14	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. Atmospheric Environment, 2015, 123, 240-250.	4.1	63
15	The environmental history of a mountain lake (Lago Paione Superiore, Central Alps, Italy) for the last c. 100 years: a multidisciplinary, palaeolimnological study. Journal of Paleolimnology, 1996, 15, 245-264.	1.6	58
16	Palaeolimnological studies of the eutrophication of volcanic Lake Albano (Central Italy). Journal of Paleolimnology, 1994, 10, 181-197.	1.6	53
17	Sources and geographic origin of particulate matter in urban areas of the Danube macro-region: The cases of Zagreb (Croatia), Budapest (Hungary) and Sofia (Bulgaria). Science of the Total Environment, 2018, 619-620, 1515-1529.	8.0	53
18	Sources of carbonaceous aerosol in the Amazon basin. Atmospheric Chemistry and Physics, 2011, 11, 2747-2764.	4.9	45

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19	Evaluation of receptor and chemical transport models for PM10 source apportionment. Atmospheric Environment: X, 2020, 5, 100053.	1.4	41
20	Model quality objectives based on measurement uncertainty. PartÂII:ÂNO2 and PM10. Atmospheric Environment, 2013, 79, 869-878.	4.1	38
21	Variations in the chemical composition of the submicron aerosol and in the sources of the organic fraction at a regional background site of the Po Valley (Italy). Atmospheric Chemistry and Physics, 2016, 16, 12875-12896.	4.9	38
22	A new methodology to assess the performance and uncertainty of source apportionment models in intercomparison exercises. Atmospheric Environment, 2015, 119, 35-44.	4.1	37
23	Vertical distribution of organochlorine pesticides in humus along Alpine altitudinal profiles in relation to ambiental parameters. Environmental Pollution, 2009, 157, 3238-3247.	7.5	30
24	A comparison of Alpine emissions to forest soil and spruce needle loads for persistent organic pollutants (POPs). Environmental Pollution, 2009, 157, 3185-3191.	7.5	26
25	Enhancing source apportionment with receptor models to foster the air quality directive implementation. International Journal of Environment and Pollution, 2012, 50, 190.	0.2	26
26	Title is missing!. Journal of Paleolimnology, 2000, 23, 117-127.	1.6	24
27	Temporal patterns in lacustrine stable isotopes as evidence for climate change during the late glacial in the Southern European Alps. Journal of Paleolimnology, 2008, 40, 885-895.	1.6	24
28	PCDD/F and PCB in spruce forests of the Alps. Environmental Pollution, 2009, 157, 3280-3289.	7.5	24
29	An interlaboratory comparison study on the measurement of elements in PM10. Atmospheric Environment, 2016, 125, 61-68.	4.1	24
30	Altitude profiles of total chlorinated paraffins in humus and spruce needles from the Alps (MONARPOP). Environmental Pollution, 2009, 157, 3225-3231.	7.5	23
31	Representativeness of an air quality monitoring station for PM2.5 and source apportionment over a small urban domain. Atmospheric Pollution Research, 2020, 11, 225-233.	3.8	23
32	Air quality integrated assessment modelling in the context of EU policy: A way forward. Environmental Science and Policy, 2016, 65, 22-28.	4.9	22
33	Title is missing!. Journal of Paleolimnology, 1999, 21, 151-169.	1.6	21
34	DeltaSA tool for source apportionment benchmarking, description and sensitivity analysis. Atmospheric Environment, 2018, 180, 138-148.	4.1	21
35	Source apportionment of fine PM by combining high time resolution organic and inorganic chemical composition datasets. Atmospheric Environment: X, 2019, 3, 100046.	1.4	21
36	Quantitative assessment of the variability in chemical profiles from source apportionment analysis of PM10 and PM2.5Âat different sites within a large metropolitan area. Environmental Research, 2021, 192, 110257.	7.5	20

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37	Influence of semi- and intermediate-volatile organic compounds (S/IVOC) parameterizations, volatility distributions and aging schemes on organic aerosol modelling in winter conditions. Atmospheric Environment, 2019, 213, 11-24.	4.1	19
38	Urban pollution in the Danube and Western Balkans regions: The impact of major PM2.5 sources. Environment International, 2019, 133, 105158.	10.0	17
39	Semivolatiles in the Forest Environment: The Case of PAHs. Plant Ecophysiology, 2011, , 47-73.	1.5	13
40	The influence of biological and environmental factors on the stable isotopic composition of ostracods â€" the Late Pleistocene record from Lake Albano, Central Italy. Journal of Limnology, 2004, 63, 219.	1.1	11
41	The late glacialâ€"Holocene transition as inferred from ostracod and pollen records in the Lago Piccolo di Avigliana (Northern Italy). Palaeogeography, Palaeoclimatology, Palaeoecology, 2008, 264, 306-317.	2.3	11
42	Current trends in the use of models for source apportionment of air pollutants in Europe. International Journal of Environment and Pollution, 2012, 50, 363.	0.2	11
43	Evaluation of a portable nephelometer against the Tapered Element Oscillating Microbalance method for monitoring PM2.5. Journal of Environmental Monitoring, 2012, 14, 2145.	2.1	11
44	Why air quality in the Alps remains a matter of concern. The impact of organic pollutants in the alpine area. Environmental Science and Pollution Research, 2014, 21, 252-267.	5.3	8
45	Strengths and Weaknesses of the Current EU Situation. SpringerBriefs in Applied Sciences and Technology, 2017, , 69-83.	0.4	6
46	Comparison of source apportionment approaches and analysis of non-linearity in a real case model application. Geoscientific Model Development, 2021, 14, 4731-4750.	3.6	4
47	Current European AQ Planning at Regional and Local Scale. SpringerBriefs in Applied Sciences and Technology, 2017, , 37-68.	0.4	1
48	Title is missing!. Water, Air, and Soil Pollution, 1997, 99, 593-600.	2.4	0