

Konstantinos Eleftheriadis

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8265778/publications.pdf>

Version: 2024-02-01

208
papers

7,956
citations

38720

50
h-index

71651

76
g-index

263
all docs

263
docs citations

263
times ranked

7896
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition of size-resolved atmospheric aerosols in the eastern Mediterranean during summer and winter. <i>Atmospheric Environment</i> , 2003, 37, 195-208.	1.9	274
2	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in five southern European cities. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 3289-3309.	1.9	267
3	Soot reference materials for instrument calibration and intercomparisons: a workshop summary with recommendations. <i>Atmospheric Measurement Techniques</i> , 2012, 5, 1869-1887.	1.2	197
4	Aerosol black carbon in the European Arctic: Measurements at Zeppelin station, Ny-Ålesund, Svalbard from 1998 to 2007. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	196
5	Associations between Fine and Coarse Particles and Mortality in Mediterranean Cities: Results from the MED-PARTICLES Project. <i>Environmental Health Perspectives</i> , 2013, 121, 932-938.	2.8	193
6	Short-term Associations between Fine and Coarse Particulate Matter and Hospitalizations in Southern Europe: Results from the MED-PARTICLES Project. <i>Environmental Health Perspectives</i> , 2013, 121, 1026-1033.	2.8	180
7	Polycyclic aromatic hydrocarbons and their derivatives (nitro-PAHs, oxygenated PAHs, and azaarenes) in PM 2.5 from Southern European cities. <i>Science of the Total Environment</i> , 2017, 595, 494-504.	3.9	175
8	Assessment of PM2.5 sources and their corresponding level of uncertainty in a coastal urban area using EPA PMF 5.0 enhanced diagnostics. <i>Science of the Total Environment</i> , 2017, 574, 155-164.	3.9	166
9	16-year simulation of Arctic black carbon: Transport, source contribution, and sensitivity analysis on deposition. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 943-964.	1.2	154
10	Desert Dust Outbreaks in Southern Europe: Contribution to Daily PM ₁₀ Concentrations and Short-Term Associations with Mortality and Hospital Admissions. <i>Environmental Health Perspectives</i> , 2016, 124, 413-419.	2.8	148
11	Indoor air quality bioaerosol measurements in domestic and office premises. <i>Journal of Aerosol Science</i> , 2005, 36, 751-761.	1.8	147
12	Factors controlling air quality in different European subway systems. <i>Environmental Research</i> , 2016, 146, 35-46.	3.7	138
13	Assessment of source apportionment by Positive Matrix Factorization analysis on fine and coarse urban aerosol size fractions. <i>Atmospheric Environment</i> , 2009, 43, 3385-3395.	1.9	131
14	Characterization of Emissions from a Desktop 3D Printer. <i>Journal of Industrial Ecology</i> , 2017, 21, S94.	2.8	109
15	Size distribution and sources of trace metals and n-alkanes in the Athens urban aerosol during summer. <i>Atmospheric Environment</i> , 2007, 41, 2368-2381.	1.9	103
16	Evolution of air pollution source contributions over one decade, derived by PM10 and PM2.5 source apportionment in two metropolitan urban areas in Greece. <i>Atmospheric Environment</i> , 2017, 164, 416-430.	1.9	103
17	Short-term effects of particulate matter constituents on daily hospitalizations and mortality in five South-European cities: Results from the MED-PARTICLES project. <i>Environment International</i> , 2015, 75, 151-158.	4.8	100
18	Organic and elemental carbon associated to PM10 and PM2.5 at urban sites of northern Greece. <i>Environmental Science and Pollution Research</i> , 2014, 21, 1769-1785.	2.7	89

#	ARTICLE	IF	CITATIONS
19	Short-term effects of particulate matter on mortality during forest fires in Southern Europe: results of the MED-PARTICLES Project. <i>Occupational and Environmental Medicine</i> , 2015, 72, 323-329.	1.3	81
20	Which specific causes of death are associated with short term exposure to fine and coarse particles in Southern Europe? Results from the MED-PARTICLES project. <i>Environment International</i> , 2014, 67, 54-61.	4.8	80
21	Seasonality of aerosol optical properties in the Arctic. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 11599-11622.	1.9	80
22	“European aerosol phenomenology 6: scattering properties of atmospheric aerosol particles from 28 ACTRIS sites. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 7877-7911.	1.9	76
23	Association Between Short-term Exposure to Ultrafine Particles and Mortality in Eight European Urban Areas. <i>Epidemiology</i> , 2017, 28, 172-180.	1.2	73
24	Atmospheric aerosol and gaseous species in Athens, Greece. <i>Atmospheric Environment</i> , 1998, 32, 2183-2191.	1.9	71
25	Multidecadal trends in aerosol radiative forcing over the Arctic: Contribution of changes in anthropogenic aerosol to Arctic warming since 1980. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 3573-3594.	1.2	70
26	On Aethalometer measurement uncertainties and an instrument correction factor for the Arctic. <i>Atmospheric Measurement Techniques</i> , 2017, 10, 5039-5062.	1.2	70
27	On the quantification of atmospheric carbonate carbon by thermal/optical analysis protocols. <i>Atmospheric Measurement Techniques</i> , 2011, 4, 2409-2419.	1.2	69
28	Air and seawater pollution and air-sea gas exchange of persistent toxic substances in the Aegean Sea: spatial trends of PAHs, PCBs, OCPs and PBDEs. <i>Environmental Science and Pollution Research</i> , 2015, 22, 11301-11313.	2.7	69
29	Sources and chemical characterization of organic aerosol during the summer in the eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 11355-11371.	1.9	68
30	A characterization of Arctic aerosols on the basis of aerosol optical depth and black carbon measurements. <i>Elementa</i> , 2014, 2, .	1.1	68
31	Implications of the aerosol size distribution modal structure of trace and major elements on human exposure, inhaled dose and relevance to the PM _{2.5} and PM ₁₀ metrics in a European pollution hotspot urban area. <i>Journal of Aerosol Science</i> , 2017, 103, 38-52.	1.8	67
32	AIRUSE-LIFE +: estimation of natural source contributions to urban ambient air PM ₁₀ and PM _{2.5} concentrations in southern Europe – implications to compliance with limit values. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 3673-3685.	1.9	67
33	Ambient particulate matter source apportionment using receptor modelling in European and Central Asia urban areas. <i>Environmental Pollution</i> , 2020, 266, 115199.	3.7	66
34	Effects of mixing state on optical and radiative properties of black carbon in the European Arctic. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14037-14057.	1.9	65
35	A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 4353-4392.	1.2	65
36	Physicochemical characterization of aged biomass burning aerosol after long-range transport to Greece from large scale wildfires in Russia and surrounding regions, Summer 2010. <i>Atmospheric Environment</i> , 2014, 96, 393-404.	1.9	64

#	ARTICLE	IF	CITATIONS
37	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. <i>Atmospheric Environment</i> , 2015, 123, 240-250.	1.9	63
38	Assessment of wood burning versus fossil fuel contribution to wintertime black carbon and carbon monoxide concentrations in Athens, Greece. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 10219-10236.	1.9	61
39	Indoor and Outdoor Particle Number and Mass Concentrations in Athens. Sources, Sinks and Variability of Aerosol Parameters. <i>Aerosol and Air Quality Research</i> , 2011, 11, 632-642.	0.9	61
40	Source apportionment by PMF on elemental concentrations obtained by PIXE analysis of PM10 samples collected at the vicinity of lignite power plants and mines in Megalopolis, Greece. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 349, 114-124.	0.6	60
41	Multidecadal trend analysis of in situ aerosol radiative properties around the world. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8867-8908.	1.9	58
42	Size distribution, composition and origin of the submicron aerosol in the marine boundary layer during the eastern Mediterranean "SUB-AERO" experiment. <i>Atmospheric Environment</i> , 2006, 40, 6245-6260.	1.9	57
43	Lung deposition of fine and ultrafine particles outdoors and indoors during a cooking event and a no activity period. <i>Indoor Air</i> , 2007, 17, 143-152.	2.0	57
44	Pan-Eurasian Experiment (PEEX): towards a holistic understanding of the feedbacks and interactions in the land-atmosphere-ocean-society continuum in the northern Eurasian region. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 14421-14461.	1.9	57
45	PM10 and PM2.5 Levels in the Eastern Mediterranean (Akrotiri Research Station, Crete, Greece). <i>Water, Air, and Soil Pollution</i> , 2008, 189, 85-101.	1.1	55
46	Annual Variability of Black Carbon Concentrations Originating from Biomass and Fossil Fuel Combustion for the Suburban Aerosol in Athens, Greece. <i>Atmosphere</i> , 2017, 8, 234.	1.0	55
47	International Arctic Systems for Observing the Atmosphere: An International Polar Year Legacy Consortium. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1033-1056.	1.7	54
48	Size Distributions of Airborne Radionuclides from the Fukushima Nuclear Accident at Several Places in Europe. <i>Environmental Science & Technology</i> , 2013, 47, 10995-11003.	4.6	53
49	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). <i>Science of the Total Environment</i> , 2018, 619-620, 1515-1529.	3.9	53
50	Characterization of Human Health Risks from Particulate Air Pollution in Selected European Cities. <i>Atmosphere</i> , 2019, 10, 96.	1.0	53
51	Relationship between indoor and outdoor size-fractionated particulate matter in urban microenvironments: Levels, chemical composition and sources. <i>Environmental Research</i> , 2020, 183, 109203.	3.7	53
52	Influence of local and regional sources on the observed spatial and temporal variability of size resolved atmospheric aerosol mass concentrations and water-soluble species in the Athens metropolitan area. <i>Atmospheric Environment</i> , 2014, 97, 252-261.	1.9	52
53	Source apportionment of the oxidative potential of fine ambient particulate matter (PM2.5) in Athens, Greece. <i>Science of the Total Environment</i> , 2019, 653, 1407-1416.	3.9	51
54	Size resolved mass concentration and elemental composition of atmospheric aerosols over the Eastern Mediterranean area. <i>Atmospheric Chemistry and Physics</i> , 2003, 3, 2207-2216.	1.9	50

#	ARTICLE	IF	CITATIONS
55	Impact of the 2009 Attica wild fires on the air quality in urban Athens. Atmospheric Environment, 2012, 46, 536-544.	1.9	50
56	Concentration levels of ²¹⁰ Pb and ²¹⁰ Po in dry tobacco leaves in Greece. Journal of Environmental Radioactivity, 2006, 85, 94-102.	0.9	47
57	The risks of acute exposure to black carbon in Southern Europe: results from the MED-PARTICLES project. Occupational and Environmental Medicine, 2015, 72, 123-129.	1.3	46
58	The traffic signature on the vertical PM profile: Environmental and health risks within an urban roadside environment. Science of the Total Environment, 2019, 646, 448-459.	3.9	46
59	Dynamics of fine particles and photo-oxidants in the Eastern Mediterranean (SUB-AERO). Atmospheric Environment, 2006, 40, 6214-6228.	1.9	44
60	Implementation of road and soil dust emission parameterizations in the aerosol model CAMx: Applications over the greater Athens urban area affected by natural sources. Journal of Geophysical Research, 2010, 115, .	3.3	44
61	Radioactive pollution in Athens, Greece due to the Fukushima nuclear accident. Journal of Environmental Radioactivity, 2012, 114, 100-104.	0.9	44
62	Airborne concentrations and chemical considerations of radioactive ruthenium from an undeclared major nuclear release in 2017. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 16750-16759.	3.3	44
63	Determination of water-soluble and insoluble elements in PM _{2.5} by ICP-MS. Science of the Total Environment, 2014, 493, 694-700.	3.9	43
64	Black Carbon Sources Constrained by Observations in the Russian High Arctic. Environmental Science & Technology, 2017, 51, 3871-3879.	4.6	43
65	Particle exposure and inhaled dose while commuting in Lisbon. Environmental Pollution, 2020, 257, 113547.	3.7	43
66	Smoke aerosol chemistry and aging of Siberian biomass burning emissions in a large aerosol chamber. Atmospheric Environment, 2018, 185, 15-28.	1.9	41
67	Evaluation of receptor and chemical transport models for PM ₁₀ source apportionment. Atmospheric Environment: X, 2020, 5, 100053.	0.8	41
68	Children's exposure and dose assessment to particulate matter in Lisbon. Building and Environment, 2020, 171, 106666.	3.0	40
69	Changes in black carbon emissions over Europe due to COVID-19 lockdowns. Atmospheric Chemistry and Physics, 2021, 21, 2675-2692.	1.9	40
70	Pan-Arctic seasonal cycles and long-term trends of aerosol properties from 10 observatories. Atmospheric Chemistry and Physics, 2022, 22, 3067-3096.	1.9	40
71	Optical properties of aerosols over the eastern Mediterranean. Atmospheric Environment, 2006, 40, 6229-6244.	1.9	39
72	<sc>XRF</sc> characterization and source apportionment of <sc>PM ₁₀ </sc> samples collected in a coastal city. X-Ray Spectrometry, 2018, 47, 190-200.	0.9	38

#	ARTICLE	IF	CITATIONS
73	Comparative study of pretreatment methods for the determination of metals in atmospheric aerosol by electrothermal atomic absorption spectrometry. <i>Talanta</i> , 2005, 65, 1196-1202.	2.9	37
74	Indirect evidence of the composition of nucleation mode atmospheric particles in the high Arctic. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 965-975.	1.2	37
75	East Siberian Arctic background and black carbon polluted aerosols at HMO Tiksi. <i>Science of the Total Environment</i> , 2019, 655, 924-938.	3.9	37
76	Physico-chemical characteristics of particulate matter in the Eastern Mediterranean. <i>Atmospheric Research</i> , 2012, 106, 93-107.	1.8	36
77	Particulate matter and health effects in offices - A review. <i>Building and Environment</i> , 2019, 156, 62-73.	3.0	35
78	Ground-based aerosol optical depth trends at three high-altitude sites in Switzerland and southern Germany from 1995 to 2010. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	33
79	Mesoscale modeling of combined aerosol and photo-oxidant processes in the Eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2005, 5, 927-940.	1.9	32
80	Particulate matter and gaseous pollutants in the Mediterranean Basin: Results from the MED-PARTICLES project. <i>Science of the Total Environment</i> , 2014, 488-489, 297-315.	3.9	32
81	Influence of Biogenic Organics on the Chemical Composition of Arctic Aerosols. <i>Global Biogeochemical Cycles</i> , 2019, 33, 1238-1250.	1.9	32
82	Inorganic and Carbonaceous Components in Indoor/Outdoor Particulate Matter in Two Residential Houses in Oslo, Norway. <i>Journal of the Air and Waste Management Association</i> , 2008, 58, 346-356.	0.9	31
83	Chemical composition and hygroscopic properties of aerosol particles over the Aegean Sea. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 11595-11608.	1.9	31
84	Seasonality of the particle number concentration and size distribution: a global analysis retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 17185-17223.	1.9	31
85	Equal abundance of summertime natural and wintertime anthropogenic Arctic organic aerosols. <i>Nature Geoscience</i> , 2022, 15, 196-202.	5.4	31
86	Airborne Lidar and in-situ Aerosol Observations of an Elevated Layer, Leeward of the European Alps and Apennines. <i>Geophysical Research Letters</i> , 2002, 29, 33-1-33-4.	1.5	30
87	Assessment of factors influencing PM mass concentration measured by gravimetric & beta attenuation techniques at a suburban site. <i>Atmospheric Environment</i> , 2016, 131, 409-417.	1.9	30
88	Potential Source Apportionment and Meteorological Conditions Involved in Airborne $¹³¹$ I Detections in January/February 2017 in Europe. <i>Environmental Science & Technology</i> , 2018, 52, 8488-8500.	4.6	29
89	Small-Scale Study of Siberian Biomass Burning: I. Smoke Microstructure. <i>Aerosol and Air Quality Research</i> , 2015, 15, 117-128.	0.9	29
90	The distribution of snow black carbon observed in the Arctic and compared to the GISS-PUCCINI model. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 7995-8007.	1.9	28

#	ARTICLE	IF	CITATIONS
91	Aerosol Pollutants during Agricultural Biomass Burning: A Case Study in Ba Vi Region in Hanoi, Vietnam. <i>Aerosol and Air Quality Research</i> , 2017, 17, 2762-2779.	0.9	28
92	Source apportionment of PM10 and PM2.5 in major urban Greek agglomerations using a hybrid source-receptor modeling process. <i>Science of the Total Environment</i> , 2017, 601-602, 906-917.	3.9	26
93	Overview: Integrative and Comprehensive Understanding on Polar Environments (iCUPE) – concept and initial results. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 8551-8592.	1.9	26
94	Optical-microphysical and physical-chemical characteristics of Siberian biomass burning: Experiments in Aerosol Chamber. <i>Atmospheric and Oceanic Optics</i> , 2016, 29, 492-500.	0.6	25
95	Correlation between inorganic pollutants in the suspended particulate matter (SPM) and fine particulate matter (PM2.5) collected from industrial and residential areas in Greater Cairo, Egypt. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 241-250.	1.5	25
96	Multi-city comparative PM2.5 source apportionment for fifteen sites in Europe: The ICARUS project. <i>Science of the Total Environment</i> , 2021, 751, 141855.	3.9	25
97	Industrial and wildfire aerosol pollution over world heritage Lake Baikal. <i>Journal of Environmental Sciences</i> , 2021, 107, 49-64.	3.2	25
98	Structure and magnetic properties of Zn _{1-x} In _x Fe ₂ O ₄ and Zn _{1-x} Fe _{2-x} O ₄ nanoparticles prepared by coprecipitation. <i>Ceramics International</i> , 2013, 39, 3235-3242.	2.3	24
99	Impact of Smoke Intensity on Size-Resolved Aerosol Composition and Microstructure during the Biomass Burning Season in Northwest Vietnam. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2635-2654.	0.9	24
100	Atmospheric composition in the European Arctic and 30 years of the Zeppelin Observatory, Ny-Ålesund. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3321-3369.	1.9	24
101	Heterogeneous nucleation on rough surfaces: implications to atmospheric aerosols. <i>Atmospheric Research</i> , 2000, 55, 103-113.	1.8	23
102	Coarse atmospheric aerosol: size distributions of trace elements. <i>Atmospheric Environment</i> , 2001, 35, 5321-5330.	1.9	23
103	Particulate matter pollution from aviation-related activity at a small airport of the Aegean Sea Insular Region. <i>Science of the Total Environment</i> , 2017, 596-597, 187-193.	3.9	23
104	Chemical characterisation of particulate matter in urban transport modes. <i>Journal of Environmental Sciences</i> , 2021, 100, 51-61.	3.2	23
105	Remote sensing and in-situ measurements of tropospheric aerosol, a PAMARCMiP case study. <i>Atmospheric Environment</i> , 2012, 52, 56-66.	1.9	22
106	Characterization of PM2.5 chemical composition at the Demokritos suburban station, in Athens Greece. The influence of Saharan dust. <i>Environmental Science and Pollution Research</i> , 2017, 24, 11836-11846.	2.7	21
107	Seasonal variability of carbon in humic-like matter of ambient size-segregated water soluble organic aerosols from urban background environment. <i>Atmospheric Environment</i> , 2018, 173, 239-247.	1.9	21
108	The effect of meteorological conditions and atmospheric composition in the occurrence and development of new particle formation (NPF) events in Europe. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 3345-3370.	1.9	21

#	ARTICLE	IF	CITATIONS
109	A Pilot Investigation of PM Indoor/Outdoor Mass Concentration and Chemical Analysis during a Period of Extensive Fireplace Use in Athens. <i>Aerosol and Air Quality Research</i> , 2015, 15, 2485-2495.	0.9	21
110	Assessing PM ₁₀ source reduction in urban agglomerations for air quality compliance. <i>Journal of Environmental Monitoring</i> , 2012, 14, 266-278.	2.1	20
111	Computational modeling as part of alternative testing strategies in the respiratory and cardiovascular systems: Inhaled nanoparticle dose modeling based on representative aerosol measurements and corresponding toxicological analysis. <i>Nanotoxicology</i> , 2015, 9, 106-115.	1.6	20
112	The role of PIXE in the AIRUSE project –testing and development of air quality mitigation measures in Southern Europe. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2015, 363, 92-98.	0.6	20
113	Summertime particulate matter and its composition in Greece. <i>Atmospheric Environment</i> , 2019, 213, 597-607.	1.9	20
114	Quantitative assessment of the variability in chemical profiles from source apportionment analysis of PM ₁₀ and PM _{2.5} at different sites within a large metropolitan area. <i>Environmental Research</i> , 2021, 192, 110257.	3.7	20
115	Detailed characterization of the CAPS single-scattering albedo monitor (CAPS PM _{ssa}) as a field-deployable instrument for measuring aerosol light absorption with the extinction-minus-scattering method. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 819-851.	1.2	20
116	Formation and Transport of Atmospheric Aerosol over Athens, Greece. <i>Water, Air and Soil Pollution</i> , 2002, 2, 223-235.	0.8	19
117	Evaluation of a statistical forecast model for size-fractionated urban particle number concentrations using data from five European cities. <i>Journal of Aerosol Science</i> , 2013, 66, 96-110.	1.8	19
118	Concentration levels and source apportionment of ultrafine particles in road microenvironments. <i>Atmospheric Environment</i> , 2016, 129, 68-78.	1.9	19
119	Particle number size distribution statistics at City-Centre Urban Background, urban background, and remote stations in Greece during summer. <i>Atmospheric Environment</i> , 2019, 213, 711-726.	1.9	19
120	Bioaerosols in the Athens Metro: Metagenetic insights into the PM ₁₀ microbiome in a naturally ventilated subway station. <i>Environment International</i> , 2021, 146, 106186.	4.8	19
121	Characterization of PM ₁₀ Sources and Ambient Air Concentration Levels at Megalopolis City (Southern Greece) Located in the Vicinity of Lignite-Fired Plants. <i>Aerosol and Air Quality Research</i> , 2013, 13, 804-817.	0.9	19
122	Estimates of mass absorption cross sections of black carbon for filter-based absorption photometers in the Arctic. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 6723-6748.	1.2	19
123	The dynamics and structure of smoke aerosols. <i>Journal of Aerosol Science</i> , 1989, 20, 875-878.	1.8	18
124	MODELING OF THE DISPERSION OF DEPLETED URANIUM AEROSOL. <i>Health Physics</i> , 2003, 84, 538-544.	0.3	18
125	Polybrominated diphenyl ethers (PBDEs) in background air around the Aegean: implications for phase partitioning and size distribution. <i>Environmental Science and Pollution Research</i> , 2017, 24, 28102-28120.	2.7	17
126	Deposition of ionic species and black carbon to the Arctic snowpack: combining snow pit observations with modeling. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 10361-10377.	1.9	17

#	ARTICLE	IF	CITATIONS
127	Monitoring of air pollution levels related to Charilaos Trikoupis Bridge. <i>Science of the Total Environment</i> , 2017, 609, 1451-1463.	3.9	16
128	Airborne ultrafine particles in a naturally ventilated metro station: Dominant sources and mixing state determined by particle size distribution and volatility measurements. <i>Environmental Pollution</i> , 2018, 239, 82-94.	3.7	16
129	Analysis of spatial factors, time-activity and infiltration on outdoor generated PM _{2.5} exposures of school children in five European cities. <i>Science of the Total Environment</i> , 2021, 785, 147111.	3.9	16
130	Study on particulate matter air pollution, source origin, and human health risk based of PM ₁₀ metal content in Volos City, Greece. <i>Toxicological and Environmental Chemistry</i> , 2017, 99, 691-709.	0.6	15
131	A new method to retrieve the real part of the equivalent refractive index of atmospheric aerosols. <i>Journal of Aerosol Science</i> , 2018, 117, 54-62.	1.8	15
132	Three-Year Long Source Apportionment Study of Airborne Particles in Ulaanbaatar Using X-Ray Fluorescence and Positive Matrix Factorization. <i>Aerosol and Air Quality Research</i> , 2019, 19, 1056-1067.	0.9	15
133	Model evaluation of short-lived climate forcers for the Arctic Monitoring and Assessment Programme: a multi-species, multi-model study. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5775-5828.	1.9	15
134	Aerosol microphysics and chemistry reveal the COVID19 lockdown impact on urban air quality. <i>Scientific Reports</i> , 2021, 11, 14477.	1.6	14
135	Cascade Epiphaniometer: An instrument for aerosol surface area size distribution measurements. <i>Journal of Aerosol Science</i> , 2013, 63, 87-102.	1.8	13
136	Exposure and dose to particulate matter inside the subway system of Athens, Greece. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 1015-1028.	1.5	13
137	Long Term Flux of Saharan Dust to the Aegean Sea around the Attica Region, Greece. <i>Frontiers in Marine Science</i> , 2017, 4, .	1.2	13
138	Estimation of the Personal Deposited Dose of Particulate Matter and Particle-Bound Metals Using Data from Selected European Cities. <i>Atmosphere</i> , 2018, 9, 248.	1.0	13
139	A phenomenology of new particle formation (NPF) at 13 European sites. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 11905-11925.	1.9	13
140	The oxidative potential of particulate matter (PM) in different regions around the world and its relation to air pollution sources. <i>Environmental Science Atmospheres</i> , 2022, 2, 1076-1086.	0.9	13
141	Performance comparison of two thermodenuders in Volatility Tandem DMA measurements. <i>Journal of Aerosol Science</i> , 2016, 92, 38-52.	1.8	12
142	Aerosol carbonaceous, elemental and ionic composition variability and origin at the Siberian High Arctic, Cape Baranova. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 72, 1803708.	0.8	12
143	Absorption instruments inter-comparison campaign at the Arctic Pallas station. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 5397-5413.	1.2	12
144	Europe-Wide Atmospheric Radionuclide Dispersion by Unprecedented Wildfires in the Chernobyl Exclusion Zone, April 2020. <i>Environmental Science & Technology</i> , 2021, 55, 13834-13848.	4.6	12

#	ARTICLE	IF	CITATIONS
145	Overview of aerosol microphysics at Arctic sunrise: measurements during the NICE renoxification study. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2005, 57, 40-50.	0.8	12
146	A new on-line SPE LC-HRMS method for the analysis of Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) in PM _{2.5} and its application for screening atmospheric particulates from Dublin and Enniscorthy, Ireland. <i>Science of the Total Environment</i> , 2022, 835, 155496.	3.9	12
147	Shipboard Measurements of Nitrogen Dioxide, Nitrous Acid, Nitric Acid and Ozone in the Eastern Mediterranean Sea. <i>Water, Air and Soil Pollution</i> , 2008, 8, 117-125.	0.8	11
148	Characterization of carbon fractal-like aggregates by size distribution measurements and theoretical calculations. <i>Aerosol Science and Technology</i> , 2016, 50, 133-147.	1.5	11
149	Source Apportionment and Assessment of Air Quality Index of PM _{2.5} and PM _{2.5} in at Two Different Sites in Urban Background Area in Senegal. <i>Atmosphere</i> , 2021, 12, 182.	1.0	11
150	Large seasonal and interannual variations of biogenic sulfur compounds in the Arctic atmosphere (Svalbard; 78.9°N, 11.9°E). <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 9761-9777.	1.9	11
151	Number Concentrations and Modal Structure of Indoor/Outdoor Fine Particles in Four European Cities. <i>Aerosol and Air Quality Research</i> , 2017, 17, 131-146.	0.9	11
152	Background Aerosol Properties in the European Arctic. <i>Water, Air and Soil Pollution</i> , 2004, 4, 23-30.	0.8	10
153	Modelling and evaluation of size-resolved aerosol characteristics in the Eastern Mediterranean during the SUB-AERO project. <i>Atmospheric Environment</i> , 2006, 40, 6261-6275.	1.9	10
154	Global deposition and transport efficiencies of radioactive species with respect to modelling credibility after Fukushima (Japan, 2011). <i>Journal of Environmental Radioactivity</i> , 2015, 149, 164-175.	0.9	10
155	CCN Activity, Variability and Influence on Droplet Formation during the HygrA-Cd Campaign in Athens. <i>Atmosphere</i> , 2017, 8, 108.	1.0	10
156	Activity size distribution of radioactive nuclide ⁷ Be at different locations and under different meteorological conditions. <i>Atmospheric Environment</i> , 2019, 212, 272-280.	1.9	10
157	Mass size distributions, composition and dose estimates of particulate matter in Saharan dust outbreaks. <i>Environmental Pollution</i> , 2022, 298, 118768.	3.7	10
158	Siberian Arctic black carbon: gas flaring and wildfire impact. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 5983-6000.	1.9	10
159	06.O.02 Metal aerosol concentrations at a refuse site. <i>Journal of Aerosol Science</i> , 1994, 25, 49-50.	1.8	9
160	A Comparative Study of the Main Mechanisms Controlling Indoor Air Pollution in Residential Flats. <i>Water, Air, and Soil Pollution</i> , 2009, 204, 333-350.	1.1	9
161	Assessment of the Personal Dose Received by School Children due to PM ₁₀ Air Pollution in Lisbon. <i>Aerosol and Air Quality Research</i> , 2020, 20, 1384-1397.	0.9	9
162	Elucidating the present-day chemical composition, seasonality and source regions of climate-relevant aerosols across the Arctic land surface. <i>Environmental Research Letters</i> , 2022, 17, 034032.	2.2	9

#	ARTICLE	IF	CITATIONS
163	Overview: Recent advances in the understanding of the northern Eurasian environments and of the urban air quality in China – a Pan-Eurasian Experiment (PEEX) programme perspective. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4413-4469.	1.9	9
164	Population Health Risks Assessment from Air Pollution Exposure in an Industrialized Residential Area in Greece. <i>Atmosphere</i> , 2022, 13, 615.	1.0	9
165	Determining the ventilation and aerosol deposition rates from routine indoor-air measurements. <i>Environmental Monitoring and Assessment</i> , 2014, 186, 151-163.	1.3	8
166	Contribution of locally-produced and transported air pollution to particulate matter in a small insular coastal city. <i>Atmospheric Pollution Research</i> , 2020, 11, 667-678.	1.8	8
167	First-Time Source Apportionment Analysis of Deposited Particulate Matter from a Moss Biomonitoring Study in Northern Greece. <i>Atmosphere</i> , 2021, 12, 208.	1.0	8
168	Large Circulation Patterns Strongly Modulate Long-Term Variability of Arctic Black Carbon Levels and Areas of Origin. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092876.	1.5	8
169	Source apportionment of children daily exposure to particulate matter. <i>Science of the Total Environment</i> , 2022, 835, 155349.	3.9	8
170	Dynamics of Atmospheric Aerosol Number Size Distributions in the Eastern Mediterranean During the ‘‘SUB-AERO’’ Project. <i>Water, Air, and Soil Pollution</i> , 2011, 214, 133-146.	1.1	7
171	An overview from hygroscopic aerosols to cloud droplets: The HygrA-CD campaign in the Athens basin. <i>Science of the Total Environment</i> , 2017, 574, 216-233.	3.9	7
172	Investigation of an Intense Dust Outbreak in the Mediterranean Using XMed-Dry Network, Multiplatform Observations, and Numerical Modeling. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 1566.	1.3	7
173	Inter-laboratory comparison of ED-XRF/PIXE analytical techniques in the elemental analysis of filter-deposited multi-elemental certified reference materials representative of ambient particulate matter. <i>Science of the Total Environment</i> , 2021, 780, 146449.	3.9	7
174	Linking indoor particulate matter and black carbon with sick building syndrome symptoms in a public office building. <i>Atmospheric Pollution Research</i> , 2022, 13, 101292.	1.8	7
175	Overview of aerosol microphysics at Arctic sunrise: measurements during the NICE renoxification study. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 57, 40.	0.8	6
176	Comparison and complementary use of in situ and remote sensing aerosol measurements in the Athens Metropolitan Area. <i>Atmospheric Environment</i> , 2020, 228, 117439.	1.9	6
177	Experimental and numerical investigations of under-expanded gas flows for optimal operation of a novel multipole differential ion mobility filter in the first vacuum-stage of a mass spectrometer. <i>International Journal of Mass Spectrometry</i> , 2021, 465, 116605.	0.7	6
178	The particle collection efficiency of rectangular strips by inertial impaction. <i>Journal of Aerosol Science</i> , 1992, 23, 35-38.	1.8	5
179	Modeling of Combined Aerosol and Photooxidant Processes in the Mediterranean Area. <i>Water, Air and Soil Pollution</i> , 2004, 4, 3-21.	0.8	5
180	Size Distribution of Inorganic Species and Their Inhaled Dose in a Detergent Industrial Workplace. <i>Water, Air and Soil Pollution</i> , 2008, 8, 71-76.	0.8	5

#	ARTICLE	IF	CITATIONS
181	Environmental measurements and inspections on imported foods and feedstuffs in Greece after the Fukushima accident. Radiation Protection Dosimetry, 2013, 156, 465-474.	0.4	5
182	Long-term variability of the air pollution sources reflected on the state of mixing of the urban aerosol. Current Opinion in Environmental Science and Health, 2019, 8, 36-39.	2.1	5
183	Dark Glacier Surface of Greenland's Largest Floating Tongue Governed by High Local Deposition of Dust. Remote Sensing, 2020, 12, 3793.	1.8	5
184	Blueprint for a self-sustained European Centre for service provision in safe and sustainable innovation for nanotechnology. NanolImpact, 2021, 23, 100337.	2.4	5
185	Aerosol volatility measurements at the GAW stations Jungfraujoch and Ny Ålesund. Journal of Aerosol Science, 2000, 31, 366-367.	1.8	4
186	Case Studies of Source Apportionment and Suggested Measures at Southern European Cities. Issues in Environmental Science and Technology, 2016, , 168-263.	0.4	4
187	Radioactive aerosol analysis. , 2020, , 263-313.		3
188	Size distributions of atmospheric coarse aerosol species by a tunnel sampler employing single stage impactors. Journal of Aerosol Science, 1991, 22, S321-S324.	1.8	2
189	Organic and black carbon in background atmospheric aerosols. Journal of Aerosol Science, 2000, 31, 178-179.	1.8	2
190	Airborne lidar and aerosol studies over the adriatic sea: II. Aerosol volatility studies. Journal of Aerosol Science, 2000, 31, 586-587.	1.8	2
191	THE FRACTIONATION OF ATMOSPHERIC COARSE AEROSOL BY A TUNNEL SAMPLER EMPLOYING SINGLE STAGE IMPACTORS. Journal of Aerosol Science, 2000, 31, 321-334.	1.8	2
192	Fine and coarse particle mass concentrations and emission rates in the workplace of a detergent industry. Indoor and Built Environment, 2014, 23, 881-889.	1.5	2
193	Formation and Transport of Atmospheric Aerosol over Athens, Greece. , 2002, , 223-235.		2
194	Characterisation of Airborne Particulate Matter in Different European Subway Systems. , 2017, ,		1
195	Long-range transported biomass-burning aerosols from large-scale wildfires in Russia and surrounding regions with respect to radioactive tracers. Air Quality, Atmosphere and Health, 2019, 12, 627-634.	1.5	1
196	Efficiency calibration of a well-type HPGe detector using experimental and Monte Carlo simulation techniques. Nuclear Technology and Radiation Protection, 2020, 35, 121-129.	0.3	1
197	Development of a New On-Line Spe Lc-Hrms Method for the Analysis of Perfluoroalkyl and Polyfluoroalkyl Substances (Pfas) in Pm2.5 and its Application for Screening Atmospheric Particulates from Dublin and Enniscorthy, Ireland. SSRN Electronic Journal, 0, ,	0.4	1
198	35 P 19 Intercomparison between measurements by pxe and ion chromatography on atmospheric aerosol samples. Journal of Aerosol Science, 1993, 24, S417-S418.	1.8	0

#	ARTICLE	IF	CITATIONS
199	Influence of wind direction on atmospheric aerosol and gaseous species in Athens, Greece. Journal of Aerosol Science, 1996, 27, S107-S108.	1.8	0
200	Arctic black carbon measurements at NYÅ...lesund, Svalbard. Journal of Aerosol Science, 1999, 30, S843-S844.	1.8	0
201	Airborne lidar and aerosol studies over the adriatic sea: I. Characterisation of the MBL. Journal of Aerosol Science, 2000, 31, 293-294.	1.8	0
202	IMPACT OF INDOOR HOUSHOLD ACTIVITIES ON THE SIZE DISTRIBUTION OF FINE AEROSOL NUMBER CONCENTRATION AND CASE SPECIFIC CALCULATED INHALED DOSE. Journal of Aerosol Science, 2004, 35, S849-S850.	1.8	0
203	Aerosol Activity and Hygroscopicity Combined with Lidar Data in the Urban Atmosphere of Athens, Greece in the Frame of the HYGRA_CD Campaign. EPJ Web of Conferences, 2016, 119, 15008.	0.1	0
204	Searching for the "smoking gun" of the miscarried 2019 Nenoksa nuclear cruise missile test: a null result. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 350-358.	0.6	0
205	Ground-Based Aerosol Optical Depth Inter-Comparison Campaigns at EUSAAR Sites in Athens, Greece. Springer Atmospheric Sciences, 2013, , 1141-1146.	0.4	0
206	Hazardous aerosol emissions during agriculture biomass burning season in Son La and Ba Vi regions, Vietnam. Tá»p ChÁ-Khoa Há»c VÁ CÁ»ng Nghá»† Biá»fn, 2017, 17, 21-30.	0.1	0
207	Air Quality and sick building syndrome symptoms in a public building in Athens, Greece. ISEE Conference Abstracts, 2020, 2020, .	0.0	0
208	Source Apportionment of Children Daily Exposure to Particulate Matter. SSRN Electronic Journal, 0, , .	0.4	0