Evangelia Diapouli

List of Publications by Year
in descending order

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64	3,028	159358 30	168136 53
papers	citations	h-index	g-index

68	68	68	3688
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	AIRUSE-LIFE+: a harmonized PM speciation and source apportionment in fiveÂsouthern European cities. Atmospheric Chemistry and Physics, 2016, 16, 3289-3309.	1.9	267
2	Soot reference materials for instrument calibration and intercomparisons: a workshop summary with recommendations. Atmospheric Measurement Techniques, 2012, 5, 1869-1887.	1.2	197
3	Polycyclic aromatic hydrocarbons and their derivatives (nitro-PAHs, oxygenated PAHs, and azaarenes) in PM 2.5 from Southern European cities. Science of the Total Environment, 2017, 595, 494-504.	3.9	175
4	Assessment of PM2.5 sources and their corresponding level of uncertainty in a coastal urban area using EPA PMF 5.0 enhanced diagnostics. Science of the Total Environment, 2017, 574, 155-164.	3.9	166
5	Factors controlling air quality in different European subway systems. Environmental Research, 2016, 146, 35-46.	3.7	138
6	Estimating the concentration of indoor particles of outdoor origin: A review. Journal of the Air and Waste Management Association, 2013, 63, 1113-1129.	0.9	134
7	Indoor and outdoor PM mass and number concentrations at schools in the Athens area. Environmental Monitoring and Assessment, 2007, 136, 13-20.	1.3	108
8	Evolution of air pollution source contributions over one decade, derived by PM10 and PM2.5 source apportionment in two metropolitan urban areas in Greece. Atmospheric Environment, 2017, 164, 416-430.	1.9	103
9	ECOC comparison exercise with identical thermal protocols after temperature offset correction â€“ instrument diagnostics by in-depth evaluation of operational parameters. Atmospheric Measurement Techniques, 2015, 8, 779-792.	1.2	87
10	Levels of ultrafine particles in different microenvironments â€” Implications to children exposure. Science of the Total Environment, 2007, 388, 128-136.	3.9	80
11	On the quantification of atmospheric carbonate carbon by thermal/optical analysis protocols. Atmospheric Measurement Techniques, 2011, 4, 2409-2419.	1.2	69
12	AIRUSE-LIFE +: estimation of natural source contributions to urban ambient air PM₁₀ and PM_{2.â€‰5} concentrations in southern Europe â€“ implications to compliance with limit values. Atmospheric Chemistry and Physics, 2017, 17, 3673-3685.	1.9	67
13	Ambient particulate matter source apportionment using receptor modelling in European and Central Asia urban areas. Environmental Pollution, 2020, 266, 115199.	3.7	66
14	Physicochemical characterization of aged biomass burning aerosol after long-range transport to Greece from large scale wildfires in Russia and surrounding regions, Summer 2010. Atmospheric Environment, 2014, 96, 393-404.	1.9	64
15	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.	1.9	63
16	Indoor and Outdoor Particle Number and Mass Concentrations in Athens. Sources, Sinks and Variability of Aerosol Parameters. Aerosol and Air Quality Research, 2011, 11, 632-642.	0.9	61
17	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. Nuclear Instruments & Methods in Physics Research B, 2015, 349, 114-124.	0.6	60
18	Annual Variability of Black Carbon Concentrations Originating from Biomass and Fossil Fuel Combustion for the Suburban Aerosol in Athens, Greece. Atmosphere, 2017, 8, 234.	1.0	55

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19	Relationship between indoor and outdoor size-fractionated particulate matter in urban microenvironments: Levels, chemical composition and sources. Environmental Research, 2020, 183, 109203.	3.7	53
20	Source apportionment of the oxidative potential of fine ambient particulate matter (PM2.5) in Athens, Greece. Science of the Total Environment, 2019, 653, 1407-1416.	3.9	51
21	Impact of the 2009 Attica wild fires on the air quality in urban Athens. Atmospheric Environment, 2012, 46, 536-544.	1.9	50
22	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
23	Radioactive pollution in Athens, Greece due to the Fukushima nuclear accident. Journal of Environmental Radioactivity, 2012, 114, 100-104.	0.9	44
24	Indoor and Outdoor Particulate Matter Concentrations at Schools in the Athens Area. Indoor and Built Environment, 2007, 16, 55-61.	1.5	43
25	Particle exposure and inhaled dose while commuting in Lisbon. Environmental Pollution, 2020, 257, 113547.	3.7	43
26	Smoke aerosol chemistry and aging of Siberian biomass burning emissions in a large aerosol chamber. Atmospheric Environment, 2018, 185, 15-28.	1.9	41
27	Evaluation of receptor and chemical transport models for PM10 source apportionment. Atmospheric Environment: X, 2020, 5, 100053.	0.8	41
28	Children's exposure and dose assessment to particulate matter in Lisbon. Building and Environment, 2020, 171, 106666.	3.0	40
29	<scp>XRF</scp> characterization and source apportionment of <scp>PM10</scp> samples collected in a coastal city. X-Ray Spectrometry, 2018, 47, 190-200.	0.9	38
30	East Siberian Arctic background and black carbon polluted aerosols at HMO Tiksi. Science of the Total Environment, 2019, 655, 924-938.	3.9	37
31	Assessment of factors influencing PM mass concentration measured by gravimetric & beta attenuation techniques at a suburban site. Atmospheric Environment, 2016, 131, 409-417.	1.9	30
32	Small-Scale Study of Siberian Biomass Burning: I. Smoke Microstructure. Aerosol and Air Quality Research, 2015, 15, 117-128.	0.9	29
33	Aerosol Pollutants during Agricultural Biomass Burning: A Case Study in Ba Vi Region in Hanoi, Vietnam. Aerosol and Air Quality Research, 2017, 17, 2762-2779.	0.9	28
34	Source apportionment of PM10 and PM2.5 in major urban Greek agglomerations using a hybrid source-receptor modeling process. Science of the Total Environment, 2017, 601-602, 906-917.	3.9	26
35	Optical-microphysical and physical-chemical characteristics of Siberian biomass burning: Experiments in Aerosol Chamber. Atmospheric and Oceanic Optics, 2016, 29, 492-500.	0.6	25
36	Impact of Smoke Intensity on Size-Resolved Aerosol Composition and Microstructure during the Biomass Burning Season in Northwest Vietnam. Aerosol and Air Quality Research, 2016, 16, 2635-2654.	0.9	24

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37	Chemical characterisation of particulate matter in urban transport modes. Journal of Environmental Sciences, 2021, 100, 51-61.	3.2	23
38	Characterization of PM2.5 chemical composition at the Demokritos suburban station, in Athens Greece. The influence of Saharan dust. Environmental Science and Pollution Research, 2017, 24, 11836-11846.	2.7	21
39	A Pilot Investigation of PM Indoor/Outdoor Mass Concentration and Chemical Analysis during a Period of Extensive Fireplace Use in Athens. Aerosol and Air Quality Research, 2015, 15, 2485-2495.	0.9	21
40	Assessing PM₁₀source reduction in urban agglomerations for air quality compliance. Journal of Environmental Monitoring, 2012, 14, 266-278.	2.1	20
41	Summertime particulate matter and its composition in Greece. Atmospheric Environment, 2019, 213, 597-607.	1.9	20
42	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.	3.7	20
43	PM10 and Elemental Concentrations in a Dismantling Plant for Waste of Electrical and Electronic Equipment in Greece. Aerosol and Air Quality Research, 2018, 18, 1457-1469.	0.9	19
44	PM10 and Ultrafine Particles Counts In-Vehicle and On-Road in the Athens Area. Water, Air and Soil Pollution, 2008, 8, 89-97.	0.8	17
45	Analysis of spatial factors, time-activity and infiltration on outdoor generated PM2.5 exposures of school children in five European cities. Science of the Total Environment, 2021, 785, 147111.	3.9	16
46	Study on particulate matter air pollution, source origin, and human health risk based of PM10 metal content in Volos City, Greece. Toxicological and Environmental Chemistry, 2017, 99, 691-709.	0.6	15
47	A new method to retrieve the real part of the equivalent refractive index of atmospheric aerosols. Journal of Aerosol Science, 2018, 117, 54-62.	1.8	15
48	Aerosol microphysics and chemistry reveal the COVID19 lockdown impact on urban air quality. Scientific Reports, 2021, 11, 14477.	1.6	14
49	Long Term Flux of Saharan Dust to the Aegean Sea around the Attica Region, Greece. Frontiers in Marine Science, 2017, 4, .	1.2	13
50	Estimation of the Personal Deposited Dose of Particulate Matter and Particle-Bound Metals Using Data from Selected European Cities. Atmosphere, 2018, 9, 248.	1.0	13
51	The oxidative potential of particulate matter (PM) in different regions around the world and its relation to air pollution sources. Environmental Science Atmospheres, 2022, 2, 1076-1086.	0.9	13
52	Aerosol carbonaceous, elemental and ionic composition variability and origin at the Siberian High Arctic, Cape Baranova. Tellus, Series B: Chemical and Physical Meteorology, 2022, 72, 1803708.	0.8	12
53	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. Science of the Total Environment, 2022, 835, 155496.	3.9	12
54	CONTINUOUS FIELD MEASUREMENTS OF ORGANIC AND ELEMENTAL CARBON CONCENTRATIONS IN ATHENS, GREECE. Journal of Aerosol Science, 2004, 35, S1077-S1078.	1.8	8

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55	Contribution of locally-produced and transported air pollution to particulate matter in a small insular coastal city. Atmospheric Pollution Research, 2020, 11, 667-678.	1.8	8
56	First-Time Source Apportionment Analysis of Deposited Particulate Matter from a Moss Biomonitoring Study in Northern Greece. Atmosphere, 2021, 12, 208.	1.0	8
57	Source apportionment of children daily exposure to particulate matter. Science of the Total Environment, 2022, 835, 155349.	3.9	8
58	An overview from hygroscopic aerosols to cloud droplets: The HygrA-CD campaign in the Athens basin. Science of the Total Environment, 2017, 574, 216-233.	3.9	7
59	Assessment of children's exposure to carbonaceous matter and to PM major and trace elements. Science of the Total Environment, 2021, 807, 151021.	3.9	7
60	Scenario analysis of strategies to control air pollution. Urban Climate, 2022, 44, 101201.	2.4	7
61	Integrated Human Exposure to Air Pollution. International Journal of Environmental Research and Public Health, 2021, 18, 2233.	1.2	6
62	An iterative method for evaluating the inter-comparability between chemical mass balance and multivariate receptor models. Chemometrics and Intelligent Laboratory Systems, 2016, 155, 97-108.	1.8	4
63	Case Studies of Source Apportionment and Suggested Measures at Southern European Cities. Issues in Environmental Science and Technology, 2016, , 168-263.	0.4	4
64	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