

Evangelos Gerasopoulos

List of Publications by Year in descending order

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Version: 2024-02-01

104
papers

5,335
citations

66234

42
h-index

98622

67
g-index

110
all docs

110
docs citations

110
times ranked

4668
citing authors

#	ARTICLE	IF	CITATIONS
1	EARLINET observations of the 14 th -22-May long-range dust transport event during SAMUM 2006: validation of results from dust transport modelling. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 61, 325.	0.8	47
2	Characterization of black crust on archaeological marble from the Library of Hadrian in Athens and inferences about contributing pollution sources. <i>Journal of Cultural Heritage</i> , 2022, 53, 236-243.	1.5	5
3	Variability and sources of NMHCs at a coastal urban location in the Piraeus Port, Greece. <i>Atmospheric Pollution Research</i> , 2022, 13, 101386.	1.8	4
4	Multiphase processes in the EC-Earth model and their relevance to the atmospheric oxalate, sulfate, and iron cycles. <i>Geoscientific Model Development</i> , 2022, 15, 3079-3120.	1.3	9
5	Earth observation: An integral part of a smart and sustainable city. <i>Environmental Science and Policy</i> , 2022, 132, 296-307.	2.4	13
6	Assessing the contribution of regional sources to urban air pollution by applying 3D-PSCF modeling. <i>Atmospheric Research</i> , 2021, 248, 105187.	1.8	17
7	Retrieval and evaluation of tropospheric-aerosol extinction profiles using multi-axis differential optical absorption spectroscopy (MAX-DOAS) measurements over Athens, Greece. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 749-767.	1.2	4
8	Assessment of the COVID-19 Lockdown Effects on Spectral Aerosol Scattering and Absorption Properties in Athens, Greece. <i>Atmosphere</i> , 2021, 12, 231.	1.0	13
9	Meeting volunteer expectations – a review of volunteer motivations in citizen science and best practices for their retention through implementation of functional features in CS tools. <i>Journal of Environmental Planning and Management</i> , 2021, 64, 2089-2113.	2.4	19
10	The Atmospheric Aerosol over Western Greece-Six Years of Aerosol Observations at the Navarino Environmental Observatory. <i>Atmosphere</i> , 2021, 12, 445.	1.0	4
11	Evaluation of the LOTOS-EUROS NO ₂ and SO ₂ simulations using ground-based measurements and S5P/TROPOMI observations over Greece. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 5269-5288.	1.9	12
12	Variability and sources of non-methane hydrocarbons at a Mediterranean urban atmosphere: The role of biomass burning and traffic emissions. <i>Science of the Total Environment</i> , 2021, 800, 149389.	3.9	10
13	The UrbEm Hybrid Method to Derive High-Resolution Emissions for City-Scale Air Quality Modeling. <i>Atmosphere</i> , 2021, 12, 1404.	1.0	15
14	Online Chemical Characterization and Sources of Submicron Aerosol in the Major Mediterranean Port City of Piraeus, Greece. <i>Atmosphere</i> , 2021, 12, 1686.	1.0	7
15	Five Years of Spatially Resolved Ground-Based MAX-DOAS Measurements of Nitrogen Dioxide in the Urban Area of Athens: Synergies with In Situ Measurements and Model Simulations. <i>Atmosphere</i> , 2021, 12, 1634.	1.0	2
16	Spatial variability of aerosols over Greek archaeological sites using Space-Borne Remote Sensing. <i>Journal of Cultural Heritage</i> , 2020, 46, 207-217.	1.5	3
17	Yearlong measurements of monoterpenes and isoprene in a Mediterranean city (Athens): Natural vs anthropogenic origin. <i>Atmospheric Environment</i> , 2020, 243, 117803.	1.9	19
18	Field Evaluation of Low-Cost PM Sensors (Purple Air PA-II) Under Variable Urban Air Quality Conditions, in Greece. <i>Atmosphere</i> , 2020, 11, 926.	1.0	67

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19	Integrating in situ Measurements and City Scale Modelling to Assess the COVID-19 Lockdown Effects on Emissions and Air Quality in Athens, Greece. <i>Atmosphere</i> , 2020, 11, 1174.	1.0	45
20	A Decade of Aerosol Optical Properties Measurements over Athens, Greece. <i>Atmosphere</i> , 2020, 11, 154.	1.0	27
21	Carbonaceous Aerosols in Contrasting Atmospheric Environments in Greek Cities: Evaluation of the EC-tracer Methods for Secondary Organic Carbon Estimation. <i>Atmosphere</i> , 2020, 11, 161.	1.0	43
22	Implementation of an aggregate index to elucidate the influence of atmospheric synoptic conditions on air quality in Athens, Greece. <i>Air Quality, Atmosphere and Health</i> , 2020, 13, 447-458.	1.5	13
23	On the regional aspects of new particle formation in the Eastern Mediterranean: A comparative study between a background and an urban site based on long term observations. <i>Atmospheric Research</i> , 2020, 239, 104911.	1.8	14
24	Indoor Air Quality Assessment at the Library of the National Observatory of Athens, Greece. <i>Aerosol and Air Quality Research</i> , 2020, 20, 889-903.	0.9	11
25	Measuring the spatial variability of black carbon in Athens during wintertime. <i>Air Quality, Atmosphere and Health</i> , 2019, 12, 1405-1417.	1.5	34
26	Potential health and equity co-benefits related to the mitigation policies reducing air pollution from residential wood burning in Athens, Greece. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 1144-1151.	0.9	10
27	Sources and processes that control the submicron organic aerosol composition in an urban Mediterranean environment (Athens): a high temporal-resolution chemical composition measurement study. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 901-919.	1.9	62
28	Optical Properties of Near-Surface Urban Aerosols and their Chemical Tracing in a Mediterranean City (Athens). <i>Aerosol and Air Quality Research</i> , 2019, 19, 49-70.	0.9	28
29	Non-methane hydrocarbon variability in Athens during wintertime: the role of traffic and heating. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 16139-16154.	1.9	25
30	Multi-year chemical composition of the fine-aerosol fraction in Athens, Greece, with emphasis on the contribution of residential heating in wintertime. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 14371-14391.	1.9	57
31	Aerosol absorption profiling from the synergy of lidar and sun-photometry: the ACTRIS-2 campaigns in Germany, Greece and Cyprus. <i>EPJ Web of Conferences</i> , 2018, 176, 08005.	0.1	5
32	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
33	The combined effect of reduced fossil fuel consumption and increasing biomass combustion on Athens' air quality, as inferred from long term CO measurements. <i>Science of the Total Environment</i> , 2017, 592, 115-123.	3.9	62
34	Analysis of long-term variation of the annual number of warmer and colder days using Mahalanobis distance metrics – A case study for Athens. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2017, 487, 22-31.	1.2	8
35	Multi-tracer approach to characterize domestic wood burning in Athens (Greece) during wintertime. <i>Atmospheric Environment</i> , 2017, 148, 89-101.	1.9	91
36	Changes in domestic heating fuel use in Greece: effects on atmospheric chemistry and radiation. <i>Atmospheric Chemistry and Physics</i> , 2017, 17, 10597-10618.	1.9	38

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37	ERA-PLANET, a European Network for Observing Our Changing Planet. Sustainability, 2017, 9, 1040.	1.6	6
38	Dust impact on surface solar irradiance assessed with model simulations, satellite observations and ground-based measurements. Atmospheric Measurement Techniques, 2017, 10, 2435-2453.	1.2	89
39	Aerosol absorption retrieval at ultraviolet wavelengths in a complex environment. Atmospheric Measurement Techniques, 2016, 9, 5997-6011.	1.2	22
40	Slant column MAX-DOAS measurements of nitrogen dioxide, formaldehyde, glyoxal and oxygen dimer in the urban environment of Athens. Atmospheric Environment, 2016, 135, 118-131.	1.9	32
41	Long-term visibility variation in Athens (1931–2013): a proxy for local and regional atmospheric aerosol loads. Atmospheric Chemistry and Physics, 2016, 16, 11219-11236.	1.9	38
42	Long-range transport of Saharan dust and chemical transformations over the Eastern Mediterranean. Atmospheric Environment, 2016, 140, 592-604.	1.9	36
43	Variability of ozone in the Eastern Mediterranean during a 7-year study. Air Quality, Atmosphere and Health, 2016, 9, 461-470.	1.5	19
44	LIVAS: a 3-D multi-wavelength aerosol/cloud database based on CALIPSO and EARLINET. Atmospheric Chemistry and Physics, 2015, 15, 7127-7153.	1.9	94
45	Effect of Climate Change Projections on Forest Fire Behavior and Values-at-Risk in Southwestern Greece. Forests, 2015, 6, 2214-2240.	0.9	48
46	Sources of atmospheric aerosol from long-term measurements (5years) of chemical composition in Athens, Greece. Science of the Total Environment, 2015, 527-528, 165-178.	3.9	94
47	Smoke dispersion modeling over complex terrain using high resolution meteorological data and satellite observations – The FireHub platform. Atmospheric Environment, 2015, 119, 348-361.	1.9	29
48	Multi-modal analysis of aerosol robotic network size distributions for remote sensing applications: dominant aerosol type cases. Atmospheric Measurement Techniques, 2014, 7, 839-858.	1.2	8
49	Aerosol microphysical retrievals from precision filter radiometer direct solar radiation measurements and comparison with AERONET. Atmospheric Measurement Techniques, 2014, 7, 2013-2025.	1.2	16
50	Simulated air quality and pollutant budgets over Europe in 2008. Science of the Total Environment, 2014, 470-471, 270-281.	3.9	4
51	Fire risk, atmospheric chemistry and radiative forcing assessment of wildfires in eastern Mediterranean. Atmospheric Environment, 2014, 95, 113-125.	1.9	20
52	Long-term characterization of organic and elemental carbon in the PM _{2.5} fraction: the case of Athens, Greece. Atmospheric Chemistry and Physics, 2014, 14, 13313-13325.	1.9	86
53	Further evidence of important environmental information content in red-to-green ratios as depicted in paintings by great masters. Atmospheric Chemistry and Physics, 2014, 14, 2987-3015.	1.9	32
54	Mechanisms of Climate Variability, Air Quality and Impacts of Atmospheric Constituents in the Mediterranean Region. Advances in Global Change Research, 2013, , 119-156.	1.6	3

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55	Economic crisis detected from space: Air quality observations over Athens/Greece. <i>Geophysical Research Letters</i> , 2013, 40, 458-463.	1.5	88
56	Factors affecting O ₃ and NO ₂ photolysis frequencies measured in the eastern Mediterranean during the five-year period 2002–2006. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	23
57	Impact of the 2009 Attica wild fires on the air quality in urban Athens. <i>Atmospheric Environment</i> , 2012, 46, 536-544.	1.9	50
58	Summertime aerosol chemical composition in the Eastern Mediterranean and its sensitivity to temperature. <i>Atmospheric Environment</i> , 2012, 50, 164-173.	1.9	47
59	The impact of temperature changes on summer time ozone and its precursors in the Eastern Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 3847-3864.	1.9	97
60	Characterization of the aerosol type using simultaneous measurements of the lidar ratio and estimations of the single scattering albedo. <i>Atmospheric Research</i> , 2011, 101, 46-53.	1.8	13
61	Three-year ground based measurements of aerosol optical depth over the Eastern Mediterranean: the urban environment of Athens. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 2145-2159.	1.9	97
62	Megacities as hot spots of air pollution in the East Mediterranean. <i>Atmospheric Environment</i> , 2011, 45, 1223-1235.	1.9	239
63	A note on the comparison between total ozone from Oslo CTM2 and SBUV satellite data. <i>International Journal of Remote Sensing</i> , 2011, 32, 2535-2545.	1.3	4
64	Smoke injection heights from agricultural burning in Eastern Europe as seen by CALIPSO. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 11567-11576.	1.9	59
65	The potential of the synergistic use of passive and active remote sensing measurements for the validation of a regional dust model. <i>Annales Geophysicae</i> , 2009, 27, 3155-3164.	0.6	45
66	Simulated Summertime Regional Ground-Level Ozone Concentrations over Greece. <i>Water, Air, and Soil Pollution</i> , 2009, 196, 169-181.	1.1	23
67	Variability in regional background aerosols within the Mediterranean. <i>Atmospheric Chemistry and Physics</i> , 2009, 9, 4575-4591.	1.9	210
68	Dust specific extinction cross-sections over the Eastern Mediterranean using the BSC-DREAM model and sun photometer data: the case of urban environments. <i>Annales Geophysicae</i> , 2009, 27, 2903-2912.	0.6	25
69	Chemical composition and sources of fine and coarse aerosol particles in the Eastern Mediterranean. <i>Atmospheric Environment</i> , 2008, 42, 6542-6550.	1.9	191
70	The total solar eclipse of March 2006: overview. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 5205-5220.	1.9	74
71	Eclipse effects on field crops and marine zooplankton: the 29 March 2006 total solar eclipse. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 4665-4676.	1.9	18
72	Particle size distributions in the Eastern Mediterranean troposphere. <i>Atmospheric Chemistry and Physics</i> , 2008, 8, 6729-6738.	1.9	38

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73	The effect of the total solar eclipse of 29 March 2006 on meteorological variables in Greece. Atmospheric Chemistry and Physics, 2007, 7, 5543-5553.	1.9	99
74	Aerosol Lidar observations and model calculations of the Planetary Boundary Layer evolution over Greece, during the March 2006 Total Solar Eclipse. Atmospheric Chemistry and Physics, 2007, 7, 6181-6189.	1.9	58
75	Size-segregated mass distributions of aerosols over Eastern Mediterranean: seasonal variability and comparison with AERONET columnar size-distributions. Atmospheric Chemistry and Physics, 2007, 7, 2551-2561.	1.9	82
76	Two-years of NO ₂ radical observations in the boundary layer over the Eastern Mediterranean. Atmospheric Chemistry and Physics, 2007, 7, 315-327.	1.9	60
77	Evidence of gravity waves into the atmosphere during the March 2006 total solar eclipse. Atmospheric Chemistry and Physics, 2007, 7, 4943-4951.	1.9	48
78	Effects on surface atmospheric photo-oxidants over Greece during the total solar eclipse event of 29 March 2006. Atmospheric Chemistry and Physics, 2007, 7, 6061-6073.	1.9	27
79	Dust transport over the eastern Mediterranean derived from Total Ozone Mapping Spectrometer, Aerosol Robotic Network, and surface measurements. Journal of Geophysical Research, 2007, 112, .	3.3	133
80	Aerosol physical and optical properties in the Eastern Mediterranean Basin, Crete, from Aerosol Robotic Network data. Atmospheric Chemistry and Physics, 2006, 6, 5399-5413.	1.9	97
81	Photochemical ozone production in the Eastern Mediterranean. Atmospheric Environment, 2006, 40, 3057-3069.	1.9	88
82	A complex case study of down to the surface intrusions of persistent stratospheric air over the Eastern Mediterranean. Atmospheric Environment, 2006, 40, 4113-4125.	1.9	48
83	Origin and variability of particulate matter (PM ₁₀) mass concentrations over the Eastern Mediterranean. Atmospheric Environment, 2006, 40, 4679-4690.	1.9	199
84	Cesium-137 in grass from Chernobyl fallout. Journal of Environmental Radioactivity, 2005, 83, 253-257.	0.9	14
85	Cesium-137 in air late after the Chernobyl reactor accident. Journal of Radioanalytical and Nuclear Chemistry, 2005, 264, 699-700.	0.7	4
86	Direct spectral measurements with a Brewer spectroradiometer: absolute calibration and aerosol optical depth retrieval. Applied Optics, 2005, 44, 1681.	2.1	64
87	Ozone variability in the marine boundary layer of the eastern Mediterranean based on 7-year observations. Journal of Geophysical Research, 2005, 110, .	3.3	99
88	Accelerator mass spectrometry of particle-bound ¹⁰ Be. Nuclear Instruments & Methods in Physics Research B, 2004, 223-224, 601-607.	0.6	18
89	Study of the effect of different type of aerosols on UV-B radiation from measurements during EARLINET. Atmospheric Chemistry and Physics, 2004, 4, 307-321.	1.9	56
90	Radon concentrations and absorbed dose measurements in a Pleistocenic cave. Journal of Radioanalytical and Nuclear Chemistry, 2003, 258, 205-208.	0.7	15

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91	Low-frequency variability of beryllium-7 surface concentrations over the Eastern Mediterranean. Atmospheric Environment, 2003, 37, 1745-1756.	1.9	54
92	Raman lidar and sunphotometric measurements of aerosol optical properties over Thessaloniki, Greece during a biomass burning episode. Atmospheric Environment, 2003, 37, 4529-4538.	1.9	151
93	Stratosphere-troposphere exchange: A review, and what we have learned from STACCATO. Journal of Geophysical Research, 2003, 108, .	3.3	413
94	Observations of stratosphere-to-troposphere transport events over the eastern Mediterranean using a ground-based lidar system. Journal of Geophysical Research, 2003, 108, .	3.3	46
95	Climatological aspects of aerosol optical properties in Northern Greece. Atmospheric Chemistry and Physics, 2003, 3, 2025-2041.	1.9	120
96	Forecast, observation and modelling of a deep stratospheric intrusion event over Europe. Atmospheric Chemistry and Physics, 2003, 3, 763-777.	1.9	56
97	Physical properties and concentration of aerosol particles over the Amazon tropical forest during background and biomass burning conditions. Atmospheric Chemistry and Physics, 2003, 3, 951-967.	1.9	69
98	Spatial and temporal variability of tropospheric ozone (O ₃) in the boundary layer above the Aegean Sea (eastern Mediterranean). Journal of Geophysical Research, 2002, 107, PAU 4-1.	3.3	76
99	Radon measurements along active faults in the Langadas Basin, northern Greece. Natural Hazards and Earth System Sciences, 2001, 1, 159-164.	1.5	15
100	Coloured rain dust from Sahara Desert is still radioactive. Journal of Environmental Radioactivity, 2001, 55, 109-112.	0.9	32
101	Comparison of measured and modeled surface ozone concentrations at two different sites in Europe during the solar eclipse on August 11, 1999. Atmospheric Environment, 2001, 35, 4663-4673.	1.9	24
102	A climatology of ⁷ Be at four high-altitude stations at the Alps and the Northern Apennines. Atmospheric Environment, 2001, 35, 6347-6360.	1.9	86
103	Background radiation measurements in the lower atmosphere before and after Chernobyl. Journal of Environmental Radioactivity, 1999, 42, 87-92.	0.9	2
104	Soil-to-plant transfer of ¹³⁷ Cs, ⁴⁰ K and ⁷ Be. Journal of Environmental Radioactivity, 1999, 45, 59-65.	0.9	54