

Antonis Gkikas

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,196
citations

393982

19
h-index

395343

33
g-index

78
all docs

78
docs citations

78
times ranked

1321
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantification of the dust optical depth across spatiotemporal scales with the MIDAS global dataset (2003–2017). <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 3553-3578.	1.9	19
2	15-Year Analysis of Direct Effects of Total and Dust Aerosols in Solar Radiation/Energy over the Mediterranean Basin. <i>Remote Sensing</i> , 2022, 14, 1535.	1.8	7
3	Dust Climatology of Turkey as a Part of the Eastern Mediterranean Basin via 9-Year CALIPSO-Derived Product. <i>Atmosphere</i> , 2022, 13, 733.	1.0	7
4	Multi-sectoral impact assessment of an extreme African dust episode in the Eastern Mediterranean in March 2018. <i>Science of the Total Environment</i> , 2022, 843, 156861.	3.9	20
5	ModIs Dust AeroSol (MIDAS): a global fine-resolution dust optical depth data set. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 309-334.	1.2	51
6	Effects of Aerosols and Clouds on the Levels of Surface Solar Radiation and Solar Energy in Cyprus. <i>Remote Sensing</i> , 2021, 13, 2319.	1.8	17
7	A Climatological Assessment of Intense Desert Dust Episodes over the Broader Mediterranean Basin Based on Satellite Data. <i>Remote Sensing</i> , 2021, 13, 2895.	1.8	6
8	Global Clear-Sky Aerosol Speciated Direct Radiative Effects over 40 Years (1980–2019). <i>Atmosphere</i> , 2021, 12, 1254.	1.0	16
9	Forecasting dust impact on solar energy using remote sensing and modeling techniques. <i>Solar Energy</i> , 2021, 228, 317-332.	2.9	14
10	A Global Climatology of Dust Aerosols Based on Satellite Data: Spatial, Seasonal and Inter-Annual Patterns over the Period 2005–2019. <i>Remote Sensing</i> , 2021, 13, 359.	1.8	18
11	15-year variability of desert dust optical depth on global and regional scales. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 16499-16529.	1.9	22
12	Optical Properties and Direct Radiative Effects of Aerosol Species at the Global Scale Based on the Synergistic Use of MERRA-2 Optical Properties and the FORTH Radiative Transfer Model. <i>Environmental Sciences Proceedings</i> , 2021, 4, 4.	0.3	0
13	A 15-Year Climatology of Desert Dust Episodes in the Broader Mediterranean Basin. <i>Environmental Sciences Proceedings</i> , 2021, 4, 1.	0.3	0
14	Estimation of cloud optical thickness, single scattering albedo and effective droplet radius using a shortwave radiative closure study in Payerne. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 907-923.	1.2	2
15	A Decade of Aerosol Optical Properties Measurements over Athens, Greece. <i>Atmosphere</i> , 2020, 11, 154.	1.0	27
16	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
17	Is the near-spherical shape the “new black” for smoke?. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14005-14021.	1.9	16
18	Assessing the radiative impacts of an extreme desert dust outbreak and the potential improvements on short-term weather forecasts: The case of February 2015. <i>Atmospheric Research</i> , 2019, 226, 152-170.	1.8	14

#	ARTICLE	IF	CITATIONS
19	A Climatological Satellite Assessment of Absorbing Carbonaceous Aerosols on a Global Scale. <i>Atmosphere</i> , 2019, 10, 671.	1.0	3
20	Earth-Observation-Based Estimation and Forecasting of Particulate Matter Impact on Solar Energy in Egypt. <i>Remote Sensing</i> , 2018, 10, 1870.	1.8	39
21	Evaluation of the BSC-DREAM8b regional dust model using the 3D LIVAS-CALIPSO product. <i>Atmospheric Environment</i> , 2018, 195, 46-62.	1.9	19
22	An Assessment of Atmospheric and Meteorological Factors Regulating Red Sea Phytoplankton Growth. <i>Remote Sensing</i> , 2018, 10, 673.	1.8	22
23	Direct radiative effects during intense Mediterranean desert dust outbreaks. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 8757-8787.	1.9	41
24	From Tropospheric Folding to Khamsin and Foehn Winds: How Atmospheric Dynamics Advanced a Record-Breaking Dust Episode in Crete. <i>Atmosphere</i> , 2018, 9, 240.	1.0	49
25	Mediterranean intense desert dust outbreaks and their vertical structure based on remote sensing data. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 8609-8642.	1.9	85
26	Characterization of aerosol episodes in the greater Mediterranean Sea area from satellite observations (2000–2007). <i>Atmospheric Environment</i> , 2016, 128, 286-304.	1.9	19
27	Cyclone contribution to dust transport over the Mediterranean region. <i>Atmospheric Science Letters</i> , 2015, 16, 473-478.	0.8	41
28	The regime of aerosol asymmetry parameter over Europe, the Mediterranean and the Middle East based on MODIS satellite data: evaluation against surface AERONET measurements. <i>Atmospheric Chemistry and Physics</i> , 2015, 15, 13113-13132.	1.9	18
29	Atmospheric circulation evolution related to desert dust episodes over the Mediterranean. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 1634-1645.	1.0	46
30	Satellite retrieval of aerosol microphysical and optical parameters using neural networks: a new methodology applied to the Sahara desert dust peak. <i>Atmospheric Measurement Techniques</i> , 2014, 7, 3151-3175.	1.2	23
31	Estimating Aerosol Optical Depth Over the Broader Greek Area from MODIS Satellite. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	1.1	4
32	Optimizing CALIPSO Saharan dust retrievals. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12089-12106.	1.9	120
33	The regime of intense desert dust episodes in the Mediterranean based on contemporary satellite observations and ground measurements. <i>Atmospheric Chemistry and Physics</i> , 2013, 13, 12135-12154.	1.9	103
34	Aerosol Size over the Broader Greek Area Based on Satellite and Ground Measurements. <i>Springer Atmospheric Sciences</i> , 2013, , 1055-1061.	0.4	0
35	Synoptic conditions favouring the occurrence of aerosol episodes over the broader Mediterranean basin. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 932-949.	1.0	53
36	On the atmospheric circulation characteristics associated with fog in Ioannina, north-western Greece. <i>International Journal of Climatology</i> , 2012, 32, 1847-1862.	1.5	26

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37	Weather forecast in north-western Greece: RISKMED warnings and verification of MM5 model. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 383-394.	1.5	12
38	The RISKMED project: philosophy, methods and products. <i>Natural Hazards and Earth System Sciences</i> , 2010, 10, 1393-1401.	1.5	6
39	Aerosol events in the broader Mediterranean basin based on 7-year (2000–2007) MODIS C005 data. <i>Annales Geophysicae</i> , 2009, 27, 3509-3522.	0.6	55
40	Natural versus anthropogenic aerosols in the eastern Mediterranean basin derived from multiyear TOMS and MODIS satellite data. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	69