Christos Spyrou

List of Publications by Year
in descending order

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38 papers	1,298 citations	430442 18 h-index	377514 34 g-index
47 all docs	47 docs citations	47 times ranked	1667 citing authors

#	Article	IF	Citations
1	Long-Range Transport of Anthropogenically and Naturally Produced Particulate Matter in the Mediterranean and North Atlantic: Current State of Knowledge. Journal of Applied Meteorology and Climatology, 2007, 46, 1230-1251.	0.6	177
2	Assessing the European offshore wind and wave energy resource for combined exploitation. Renewable Energy, 2017, 101, 244-264.	4.3	98
3	Nature-based solutions efficiency evaluation against natural hazards: Modelling methods, advantages and limitations. Science of the Total Environment, 2021, 784, 147058.	3.9	87
4	Saharan dust levels in Greece and received inhalation doses. Atmospheric Chemistry and Physics, 2008, 8, 7181-7192.	1.9	86
5	An improved limited area model for describing the dust cycle in the atmosphere. Journal of Geophysical Research, 2010, 115, .	3.3	81
6	Hydro-meteorological risk assessment methods and management by nature-based solutions. Science of the Total Environment, 2019, 696, 133936.	3.9	76
7	An overview of monitoring methods for assessing the performance of nature-based solutions against natural hazards. Earth-Science Reviews, 2021, 217, 103603.	4.0	72
8	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
9	Modeling the radiative effects of desert dust on weather and regional climate. Atmospheric Chemistry and Physics, 2013, 13, 5489-5504.	1.9	62
10	A Multi-Platform Hydrometeorological Analysis of the Flash Flood Event of 15 November 2017 in Attica, Greece. Remote Sensing, 2019, 11, 45.	1.8	53
11	Profiling of Saharan dust from the Caribbean to western Africa â€“ PartÂ2: Shipborne lidar measurements versus forecasts. Atmospheric Chemistry and Physics, 2017, 17, 14987-15006.	1.9	43
12	Aerosol's optical and physical characteristics and direct radiative forcing during a shamal dust storm, a case study. Atmospheric Chemistry and Physics, 2014, 14, 3751-3769.	1.9	41
13	Impact of natural aerosols on atmospheric radiation and consequent feedbacks with the meteorological and photochemical state of the atmosphere. Journal of Geophysical Research D: Atmospheres, 2014, 119, 1463-1491.	1.2	39
14	Environmental public health risks in European metropolitan areas within the EURO-HEALTHY project. Science of the Total Environment, 2019, 658, 1630-1639.	3.9	39
15	Implementation of a Nowcasting Hydrometeorological System for Studying Flash Flood Events: The Case of Mandra, Greece. Remote Sensing, 2020, 12, 2784.	1.8	34
16	Modelling the chemically aged and mixed aerosols over the eastern central Atlantic Ocean â€“ potential impacts. Atmospheric Chemistry and Physics, 2010, 10, 5797-5822.	1.9	27
17	Wind gust estimation by combining a numerical weather prediction model and statistical post-processing. Energy Procedia, 2017, 125, 190-198.	1.8	23
18	Forecast errors in dust vertical distributions over Rome (Italy): Multiple particle size representation and cloud contributions. Journal of Geophysical Research, 2007, 112, .	3.3	22

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19	Investigating the impact of atmosphereâ€“waveâ€“ocean interactions on a Mediterranean tropical-like cyclone. Ocean Modelling, 2020, 153, 101675.	1.0	20
20	Natural and anthropogenic aerosols in the Eastern Mediterranean and Middle East: Possible impacts. Science of the Total Environment, 2014, 488-489, 389-397.	3.9	19
21	Direct radiative impacts of desert dust on atmospheric water content. Aerosol Science and Technology, 2018, 52, 693-701.	1.5	18
22	The Implementation of a Mineral Dust Wet Deposition Scheme in the GOCART-AFWA Module of the WRF Model. Remote Sensing, 2018, 10, 1595.	1.8	15
23	Development of a dynamic dust source map for NMME-DREAM v1.0 model based on MODIS Normalized Difference Vegetation Index (NDVI) over the Arabian Peninsula. Geoscientific Model Development, 2019, 12, 979-988.	1.3	15
24	Evaluating Nature-Based Solution for Flood Reduction in Spercheios River Basin under Current and Future Climate Conditions. Sustainability, 2021, 13, 3885.	1.6	12
25	Investigation of Volcanic Emissions in the Mediterranean: â€œThe Etnaâ€“Antikythera Connectionâ€. Atmosphere, 2021, 12, 40.	1.0	11
26	Characterization of Wind-Sea- and Swell-Induced Wave Energy along the Norwegian Coast. Atmosphere, 2020, 11, 166.	1.0	10
27	Assessing Sea-State Effects on Sea-Salt Aerosol Modeling in the Lower Atmosphere Using Lidar and In-Situ Measurements. Remote Sensing, 2021, 13, 614.	1.8	10
28	One-year assessment of the two-way coupled atmosphere-ocean wave modeling system CHAOS over the Mediterranean and Black Seas. Mediterranean Marine Science, 0, , .	0.6	8
29	Eta model simulations using two radiation schemes in clear-sky conditions. Meteorology and Atmospheric Physics, 2018, 130, 39-48.	0.9	7
30	On the Management of Nature-Based Solutions in Open-Air Laboratories: New Insights and Future Perspectives. Resources, 2021, 10, 36.	1.6	7
31	Development of a Dust Source Map for WRF-Chem Model Based on MODIS NDVI. Atmosphere, 2022, 13, 868.	1.0	6
32	The Hellenic Marine Observing, Forecasting and Technology Systemâ€”An Integrated Infrastructure for Marine Research. Journal of Marine Science and Engineering, 2022, 10, 329.	1.2	5
33	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
34	On the main characteristics of synoptic weather conditions associated with thunderstorm activity during the months of July and August in the city of Thessaloniki (Northern Greece). Theoretical and Applied Climatology, 2006, 83, 153-167.	1.3	1
35	Characterizing aerosol optical depth measurements and forecasts of Saharan dust events at CamagÃ¼ey, Cuba, during July 2009. Optica Pura Y Aplicada, 2012, 45, 415-421.	0.0	1
36	Chapter 1.5 Assessment of dust forecast errors by using lidar measurements over Rome. Developments in Environmental Science, 2007, 6, 44-54.	0.5	0

#	Article	IF	Citations
37	Highly Hygroscopic Particulate in Cloud Environment. Springer Proceedings in Complexity, 2018, , 579-585.	0.2	0
38	Multiplatform hydrometeorological analysis of a flash flood event. , 2022, , 689-741.		0