

George Varlas

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

502
citations

687363

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713466

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33
docs citations

33
times ranked

464
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multi-Platform Hydrometeorological Analysis of the Flash Flood Event of 15 November 2017 in Attica, Greece. <i>Remote Sensing</i> , 2019, 11, 45.	4.0	53
2	Implementation of a two-way coupled atmosphere-ocean wave modeling system for assessing air-sea interaction over the Mediterranean Sea. <i>Atmospheric Research</i> , 2018, 208, 201-217.	4.1	50
3	Seasonal predictability of the 2010 Russian heat wave. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1531-1542.	3.6	37
4	A fully coupled atmosphere-ocean wave modeling system for the Mediterranean Sea: interactions and sensitivity to the resolved scales and mechanisms. <i>Geoscientific Model Development</i> , 2016, 9, 161-173.	3.6	35
5	Implementation of a Nowcasting Hydrometeorological System for Studying Flash Flood Events: The Case of Mandra, Greece. <i>Remote Sensing</i> , 2020, 12, 2784.	4.0	34
6	Flood Inundation Mapping at Ungauged Basins Using Coupled Hydrometeorological-Hydraulic Modelling: The Catastrophic Case of the 2006 Flash Flood in Volos City, Greece. <i>Water (Switzerland)</i> , 2019, 11, 2328.	2.7	26
7	Delineating the relative contribution of climate related variables to chlorophyll-a and phytoplankton biomass in lakes using the ERA5-Land climate reanalysis data. <i>Water Research</i> , 2021, 196, 117053.	11.3	22
8	Investigating the impact of atmosphere-wave-ocean interactions on a Mediterranean tropical-like cyclone. <i>Ocean Modelling</i> , 2020, 153, 101675.	2.4	20
9	Unravelling Precipitation Trends in Greece since 1950s Using ERA5 Climate Reanalysis Data. <i>Climate</i> , 2022, 10, 12.	2.8	19
10	Analysis of a Low-level Coastal Jet off the Western Coast of Norway. <i>Energy Procedia</i> , 2014, 53, 162-172.	1.8	17
11	Modeling the Effects of Anthropogenic Land Cover Changes to the Main Hydrometeorological Factors in a Regional Watershed, Central Greece. <i>Climate</i> , 2019, 7, 129.	2.8	17
12	Trends of lake temperature, mixing depth and ice cover thickness of European lakes during the last four decades. <i>Science of the Total Environment</i> , 2022, 830, 154709.	8.0	16
13	Offshore Wind Energy Analysis of Cyclone Xaver over North Europe. <i>Energy Procedia</i> , 2016, 94, 37-44.	1.8	14
14	Assessing the Implicit Rain Impact on Sea State During Hurricane Sandy (2012). <i>Geophysical Research Letters</i> , 2018, 45, 12,015.	4.0	12
15	Evaluating Nature-Based Solution for Flood Reduction in Spercheios River Basin under Current and Future Climate Conditions. <i>Sustainability</i> , 2021, 13, 3885.	3.2	12
16	An analysis of the synoptic and dynamical characteristics of hurricane Sandy (2012). <i>Meteorology and Atmospheric Physics</i> , 2019, 131, 443-453.	2.0	11
17	Evaluating the Forecast Skill of a Hydrometeorological Modelling System in Greece. <i>Atmosphere</i> , 2021, 12, 902.	2.3	11
18	Characterization of Wind-Sea- and Swell-Induced Wave Energy along the Norwegian Coast. <i>Atmosphere</i> , 2020, 11, 166.	2.3	10

#	ARTICLE	IF	CITATIONS
19	Assessing Sea-State Effects on Sea-Salt Aerosol Modeling in the Lower Atmosphere Using Lidar and In-Situ Measurements. <i>Remote Sensing</i> , 2021, 13, 614.	4.0	10
20	Investigating sea-state effects on flash flood hydrograph and inundation forecasting. <i>Hydrological Processes</i> , 2021, 35, e14151.	2.6	9
21	Spatiotemporal variability of marine renewable energy resources in Norway. <i>Energy Procedia</i> , 2017, 125, 180-189.	1.8	8
22	Four Decades of Surface Temperature, Precipitation, and Wind Speed Trends over Lakes of Greece. <i>Sustainability</i> , 2021, 13, 9908.	3.2	8
23	One-year assessment of the two-way coupled atmosphere-ocean wave modeling system CHAOS over the Mediterranean and Black Seas. <i>Mediterranean Marine Science</i> , 0, , .	1.6	8
24	On the Management of Nature-Based Solutions in Open-Air Laboratories: New Insights and Future Perspectives. <i>Resources</i> , 2021, 10, 36.	3.5	7
25	Assessment of Automatically Monitored Water Levels and Water Quality Indicators in Rivers with Different Hydromorphological Conditions and Pollution Levels in Greece. <i>Hydrology</i> , 2021, 8, 86.	3.0	7
26	Assessing the impact of Argo floats temperature measurements on the numerical weather prediction forecast skill. <i>Mediterranean Marine Science</i> , 2019, 20, 331.	1.6	6
27	Forecasting soil erosion and sediment yields during flash floods: The disastrous case of Mandra, Greece, 2017. <i>Earth Surface Processes and Landforms</i> , 2022, 47, 1744-1760.	2.5	6
28	Weather Systems Affecting the Meteorological Conditions over the Aegean Sea. <i>Handbook of Environmental Chemistry</i> , 2020, , 1.	0.4	5
29	Hydrographic effects of an intense "medicane" over the central-eastern Mediterranean Sea in 2018. <i>Dynamics of Atmospheres and Oceans</i> , 2021, 93, 101185.	1.8	5
30	Implementation of a Hybrid Surface Layer Parameterization Scheme for the Coupled Atmosphere-Ocean Wave System WEW. <i>Springer Atmospheric Sciences</i> , 2017, , 159-165.	0.3	3
31	Temperature Seasonal Predictability of the WRF Model. <i>Springer Atmospheric Sciences</i> , 2017, , 75-80.	0.3	1
32	Multiplatform hydrometeorological analysis of a flash flood event. , 2022, , 689-741.		0