

# Petros Katsafados

## List of Publications by Year in descending order

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Version: 2024-02-01

56  
papers

1,614  
citations

361413

20  
h-index

302126

39  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1956  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiplatform hydrometeorological analysis of a flash flood event. , 2022, , 689-741.		0
2	Unravelling Precipitation Trends in Greece since 1950s Using ERA5 Climate Reanalysis Data. <i>Climate</i> , 2022, 10, 12.	2.8	19
3	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
4	The Hellenic Marine Observing, Forecasting and Technology System—An Integrated Infrastructure for Marine Research. <i>Journal of Marine Science and Engineering</i> , 2022, 10, 329.	2.6	5
5	An assessment of the relative impacts of key stressors on the hydrology of Greek river water bodies. <i>Environmental Earth Sciences</i> , 2022, 81, 1.	2.7	2
6	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
7	Investigating sea-state effects on flash flood hydrograph and inundation forecasting. <i>Hydrological Processes</i> , 2021, 35, e14151.	2.6	9
8	Temperature and Relative Humidity Profile Retrieval from Fengyun-3D/HIRAS in the Arctic Region. <i>Remote Sensing</i> , 2021, 13, 1884.	4.0	5
9	Investigating the impact of atmosphere–wave–ocean interactions on a Mediterranean tropical-like cyclone. <i>Ocean Modelling</i> , 2020, 153, 101675.	2.4	20
10	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
11	Assessing Desert Dust Indirect Effects on Cloud Microphysics through a Cloud Nucleation Scheme: A Case Study over the Western Mediterranean. <i>Remote Sensing</i> , 2020, 12, 3473.	4.0	6
12	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
13	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
14	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
15	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
16	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
17	The Implementation of a Mineral Dust Wet Deposition Scheme in the GOCART-AFWA Module of the WRF Model. <i>Remote Sensing</i> , 2018, 10, 1595.	4.0	15
18	Assessing the Implicit Rain Impact on Sea State During Hurricane Sandy (2012). <i>Geophysical Research Letters</i> , 2018, 45, 12,015.	4.0	12

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19	Temperature Seasonal Predictability of the WRF Model. Springer Atmospheric Sciences, 2017, , 75-80.	0.3	1
20	Implementation of a Hybrid Surface Layer Parameterization Scheme for the Coupled Atmosphere-Ocean Wave System WEW. Springer Atmospheric Sciences, 2017, , 159-165.	0.3	3
21	Assessment of offshore wind power potential in the Aegean and Ionian Seas based on high-resolution hindcast model results. AIMS Energy, 2017, 5, 268-289.	1.9	23
22	A fully coupled atmosphere-ocean wave modeling system for the Mediterranean Sea: interactions and sensitivity to the resolved scales and mechanisms. Geoscientific Model Development, 2016, 9, 161-173.	3.6	35
23	Investigation of flash flood natural causes of Xirolaki Torrent, Northern Greece based on GIS modeling and geomorphological analysis. Natural Hazards, 2016, 84, 1015-1033.	3.4	22
24	Seasonal predictability of the 2010 Russian heat wave. Natural Hazards and Earth System Sciences, 2014, 14, 1531-1542.	3.6	37
25	Analysis of a Low-level Coastal Jet off the Western Coast of Norway. Energy Procedia, 2014, 53, 162-172.	1.8	17
26	Assessment of the Relationships among Catchments' Morphometric Parameters and Hydrologic Indices. International Journal of Geosciences, 2014, 05, 1571-1583.	0.6	14
27	High Resolution Gridded Meteorological Data Across the Mediterranean Basin. Springer Atmospheric Sciences, 2013, , 253-258.	0.3	0
28	Eine zusammenfassende Studie über die Beurteilung der natürlichen und anthropogenen Gründe für Flutereignisse in kleinen Einzugsgebieten, basierend auf geomorphologischen und meteorologischen Daten sowie Modelltechniken: Der Xerias Strom (Korinth, Griechenland) Une étude internationale pour l'évaluation des causes naturelles et anthropogéniques am?. Zeitschrift für Geomorphologie, 2012, 56, 45-67.	0.8	20
29	Mapping long-term atmospheric variables over Greece. Journal of Maps, 2012, 8, 181-184.	2.0	12
30	A 2-year intercomparison of the WAM-Cycle4 and the WAVEWATCH-III wave models implemented within the Mediterranean Sea. Mediterranean Marine Science, 2012, 12, 129.	1.6	26
31	Dynamic downscaling of the ERA-40 data using a mesoscale meteorological model. Mediterranean Marine Science, 2012, 12, 183.	1.6	5
32	Numerical simulation of a deep Mediterranean storm and its sensitivity on sea surface temperature. Natural Hazards and Earth System Sciences, 2011, 11, 1233-1246.	3.6	38
33	Verification of operational weather forecasts from the POSEIDON system across the Eastern Mediterranean. Natural Hazards and Earth System Sciences, 2009, 9, 1299-1306.	3.6	49
34	Ten-year operational dust forecasting - Recent model development and future plans. IOP Conference Series: Earth and Environmental Science, 2009, 7, 012012.	0.3	9
35	Improvements in wind speed forecasts for wind power prediction purposes using Kalman filtering. Journal of Wind Engineering and Industrial Aerodynamics, 2008, 96, 2348-2362.	3.9	329
36	Performance evaluation of an air quality forecast modeling system for a summer and winter season - Photochemical oxidants and their precursors. Atmospheric Environment, 2008, 42, 8585-8599.	4.1	29

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37	Air pollution modeling in the Mediterranean Region: Analysis and forecasting of episodes. Atmospheric Research, 2008, 89, 358-364.	4.1	35
38	Heterogeneous Chemical Processes and Their Role on Particulate Matter Formation in the Mediterranean Region. NATO Security Through Science Series C: Environmental Security, 2008, , 505-513.	0.1	4
39	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.	1.5	177
40	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
41	Chapter 5.7 Radiative effects of natural PMs on photochemical processes in the Mediterranean Region. Developments in Environmental Science, 2007, , 548-559.	0.5	1
42	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
43	Effect of wind variability on topographic waves: Lake Kinneret case. Journal of Geophysical Research, 2007, 112, .	3.3	17
44	Load Balancing for the Numerical Solution of the Navier-Stokes Equations. , 2007, , 764-773.		0
45	Transatlantic Saharan dust transport: Model simulation and results. Journal of Geophysical Research, 2006, 111, .	3.3	124
46	Applications of Kalman filters based on non-linear functions to numerical weather predictions. Annales Geophysicae, 2006, 24, 2451-2460.	1.6	86
47	Regional atmospheric response to tropical Pacific SST perturbations. Geophysical Research Letters, 2005, 32, n/a-n/a.	4.0	6
48	Contribution of Desert Dust Transport to Air Quality Degradation of Urban Environments Recent Model Developments. , 2004, , 279-287.		3
49	Satellite observations of Sahara dust events in the Mediterranean and its effect on surface phytoplankton biomass. , 2003, 4880, 40.		1
50	Model-derived seasonal amounts of dust deposited on Mediterranean Sea and Europe. Elsevier Oceanography Series, 2003, 69, 57-63.	0.1	2
51	Evaluation of POSEIDON forecasts in the Aegean Sea for a three-year period. Elsevier Oceanography Series, 2003, , 64-70.	0.1	1
52	The Weather Forecasting System for Poseidon - an Overview. Vital, 2002, 8, 219-237.	0.0	88
53	Towards an Ocean Forecasting System for the Aegean Sea. Vital, 2002, 8, 191-218.	0.0	36
54	Transboundary Atmospheric Lead Pollution. Environmental Science & Technology, 2002, 36, 3230-3233.	10.0	39

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55	Impact of coastal transportation emissions on inland air pollution over Israel: Utilizing numerical simulations, airborne measurements, and synoptic analyses. <i>Journal of Geophysical Research</i> , 2002, 107, ACL 5-1-ACL 5-14.	3.3	15
56	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