

Ioannis Pytharoulis

List of Publications by Year in descending order

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34
papers

1,447
citations

430442

18
h-index

360668

35
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36
all docs

36
docs citations

36
times ranked

1936
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvements in wind speed forecasts for wind power prediction purposes using Kalman filtering. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2008, 96, 2348-2362.	1.7	329
2	Regional climate hindcast simulations within EURO-CORDEX: evaluation of a WRF multi-physics ensemble. <i>Geoscientific Model Development</i> , 2015, 8, 603-618.	1.3	175
3	The Low-Level Structure of African Easterly Waves in 1995. <i>Monthly Weather Review</i> , 1999, 127, 2266-2280.	0.5	121
4	Applications of Kalman filters based on non-linear functions to numerical weather predictions. <i>Annales Geophysicae</i> , 2006, 24, 2451-2460.	0.6	86
5	Reviews and perspectives of high impact atmospheric processes in the Mediterranean. <i>Atmospheric Research</i> , 2018, 208, 4-44.	1.8	85
6	The hurricane-like Mediterranean cyclone of January 1995. <i>Meteorological Applications</i> , 2000, 7, 261-279.	0.9	73
7	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
8	Analysis of a Mediterranean tropical-like cyclone and its sensitivity to the sea surface temperatures. <i>Atmospheric Research</i> , 2018, 208, 167-179.	1.8	49
9	Regional climate feedback of anthropogenic aerosols over Europe using RegCM3. <i>Climate Research</i> , 2012, 52, 267-278.	0.4	49
10	Numerical simulation of a deep Mediterranean storm and its sensitivity on sea surface temperature. <i>Natural Hazards and Earth System Sciences</i> , 2011, 11, 1233-1246.	1.5	38
11	A deep stratospheric intrusion event down to the earth's surface of the megacity of Athens. <i>Meteorology and Atmospheric Physics</i> , 2010, 109, 9-18.	0.9	35
12	A deep stratosphere-to-troposphere ozone transport event over Europe simulated in CAMS global and regional forecast systems: analysis and evaluation. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 15515-15534.	1.9	34
13	A Dynamical Approach to Seasonal Prediction of Atlantic Tropical Cyclone Activity. <i>Weather and Forecasting</i> , 2001, 16, 725-734.	0.5	30
14	A Study of Fog Characteristics Using a Coupled WRF-COBEL Model Over Thessaloniki Airport, Greece. <i>Pure and Applied Geophysics</i> , 2012, 169, 961-981.	0.8	27
15	Evaluating the impact of chemical boundary conditions on near surface ozone in regional climate air quality simulations over Europe. <i>Atmospheric Research</i> , 2013, 134, 116-130.	1.8	25
16	Numerical modeling and analysis of the effect of complex Greek topography on tornadogenesis. <i>Natural Hazards and Earth System Sciences</i> , 2014, 14, 1905-1919.	1.5	24
17	Sensitivity of a Mediterranean Tropical-Like Cyclone to Physical Parameterizations. <i>Atmosphere</i> , 2018, 9, 436.	1.0	23
18	Unravelling Precipitation Trends in Greece since 1950s Using ERA5 Climate Reanalysis Data. <i>Climate</i> , 2022, 10, 12.	1.2	19

#	ARTICLE	IF	CITATIONS
19	Study of the tornado event in Greece on March 25, 2009: Synoptic analysis and numerical modeling using modified topography. Atmospheric Research, 2016, 169, 566-583.	1.8	18
20	Numerical modeling of an intense precipitation event and its associated lightning activity over northern Greece. Atmospheric Research, 2016, 169, 523-538.	1.8	18
21	Modeling the Effects of Anthropogenic Land Cover Changes to the Main Hydrometeorological Factors in a Regional Watershed, Central Greece. Climate, 2019, 7, 129.	1.2	17
22	The anomalous low and high temperatures of 2012 over Greece – an explanation from a meteorological and climatological perspective. Natural Hazards and Earth System Sciences, 2014, 14, 501-507.	1.5	15
23	Numerical investigation of atmosphere-fire interactions during high-impact wildland fire events in Greece. Atmospheric Research, 2021, 247, 105253.	1.8	13
24	Raindrops keep falling on my head. Weather, 1995, 50, 367-370.	0.6	12
25	Analysis of waterspout environmental conditions and of parent storm behaviour based on satellite data over the southern Aegean Sea of Greece. International Journal of Climatology, 2017, 37, 1022-1039.	1.5	12
26	Investigation of Volcanic Emissions in the Mediterranean: “The Etna–Antikythera Connection”. Atmosphere, 2021, 12, 40.	1.0	11
27	Development and validation of a novel-based combination operational air quality forecasting system in Greece. Meteorology and Atmospheric Physics, 2010, 106, 127-133.	0.9	10
28	Analysis and numerical simulation of a real cell merger using a three-dimensional cloud resolving model. Atmospheric Research, 2016, 169, 547-555.	1.8	9
29	Numerical simulation of airborne cloud seeding over Greece, using a convective cloud model. Asia-Pacific Journal of Atmospheric Sciences, 2015, 51, 11-27.	1.3	7
30	Mercury budget estimates for the State of New York. Environmental Fluid Mechanics, 2005, 5, 87-107.	0.7	5
31	Numerical modeling analysis of the mesoscale environment conducive to two tornado events using the COSMO.Gr model over Greece. Atmospheric Research, 2018, 208, 148-155.	1.8	5
32	The anomalous high temperatures of November 2010 over Greece: meteorological and climatological aspects. Natural Hazards and Earth System Sciences, 2011, 11, 2705-2714.	1.5	4
33	Observations and modelling of the characteristics of convective activity related to a potential rain enhancement program in central Greece. Atmospheric Research, 2018, 208, 218-228.	1.8	4
34	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