

Paul Poli

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

23,672
citations

236925

25
h-index

243625

44
g-index

48
all docs

48
docs citations

48
times ranked

23269
citing authors

#	ARTICLE	IF	CITATIONS
1	The ADM-Aeolus wind retrieval algorithms. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 60, 191.	1.7	58
2	Ship-Based Contributions to Global Ocean, Weather, and Climate Observing Systems. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	34
3	The Joint IOC (of UNESCO) and WMO Collaborative Effort for Met-Ocean Services. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	14
4	Global in situ Observations of Essential Climate and Ocean Variables at the Air-Sea Interface. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	49
5	Towards a Traceable Climate Service: Assessment of Quality and Usability of Essential Climate Variables. <i>Remote Sensing</i> , 2019, 11, 1186.	4.0	26
6	The Copernicus Surface Velocity Platform drifter with Barometer and Reference Sensor for Temperature (SVP-BRST): genesis, design, and initial results. <i>Ocean Science</i> , 2019, 15, 199-214.	3.4	11
7	A Global Ocean Observing System (GOOS), Delivered Through Enhanced Collaboration Across Regions, Communities, and New Technologies. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	48
8	Development of Surface Drifting Buoys for Fiducial Reference Measurements of Sea-Surface Temperature. <i>Frontiers in Marine Science</i> , 2019, 6, .	2.5	11
9	Advancing Global and Regional Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, ES139-ES144.	3.3	15
10	An Overview of European Efforts in Generating Climate Data Records. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 349-359.	3.3	26
11	CERA-20C: A Coupled Reanalysis of the Twentieth Century. <i>Journal of Advances in Modeling Earth Systems</i> , 2018, 10, 1172-1195.	3.8	212
12	Assessing reanalysis quality with early sounders Nimbus-4 IRIS (1970) and Nimbus-6 HIRS (1975). <i>Advances in Space Research</i> , 2018, 62, 245-264.	2.6	3
13	Observations for Reanalyses. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1851-1866.	3.3	35
14	Characterisation of Special Sensor Microwave Water Vapor Profiler (SSM/T-2) radiances using radiative transfer simulations from global atmospheric reanalyses. <i>Advances in Space Research</i> , 2017, 59, 917-935.	2.6	7
15	The potential value of early (1939-1967) upper-air data in atmospheric climate reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2017, 143, 1197-1210.	2.7	19
16	Recent Advances in Satellite Data Rescue. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1471-1484.	3.3	11
17	Worldwide Survey of Awareness and Needs Concerning Reanalyses and Respondents Views on Climate Services. <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 1461-1473.	3.3	23
18	Benchmarking Northern Hemisphere midlatitude atmospheric synoptic variability in centennial reanalysis and numerical simulations. <i>Geophysical Research Letters</i> , 2016, 43, 5442-5449.	4.0	14

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19	ERA-20C: An Atmospheric Reanalysis of the Twentieth Century. <i>Journal of Climate</i> , 2016, 29, 4083-4097.	3.2	807
20	ERA-20CM: a twentieth-century atmospheric model ensemble. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 2350-2375.	2.7	167
21	Arctic warming in ERA-Interim and other analyses. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2015, 141, 1147-1162.	2.7	64
22	Upper-air observations from the German Atlantic Expedition (1925-27) and comparison with the Twentieth Century and ERA-20C reanalyses. <i>Meteorologische Zeitschrift</i> , 2015, 24, 525-544.	1.0	9
23	Analysis of current validation practices in Europe for space-based climate data records of essential climate variables. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2015, 42, 150-161.	2.8	35
24	Southward shift of the northern tropical belt from 1945 to 1980. <i>Nature Geoscience</i> , 2015, 8, 969-974.	12.9	39
25	Comparison of regional and global reanalysis near-surface winds with station observations over Germany. <i>Advances in Science and Research</i> , 2015, 12, 187-198.	1.0	39
26	User awareness concerning feedback data and input observations used in reanalysis systems. <i>Advances in Science and Research</i> , 2015, 12, 63-67.	1.0	9
27	Estimating low-frequency variability and trends in atmospheric temperature using ERA-Interim. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 329-353.	2.7	161
28	The ERA-Interim reanalysis: configuration and performance of the data assimilation system. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 553-597.	2.7	20,227
29	Atmospheric conservation properties in ERA-Interim. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2011, 137, 1381-1399.	2.7	310
30	Assimilation of Global Positioning System radio occultation data in the ECMWF ERA-Interim reanalysis. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2010, 136, 1972-1990.	2.7	161
31	Assimilation of satellite observations of the atmosphere. <i>Comptes Rendus - Geoscience</i> , 2010, 342, 357-369.	1.2	5
32	Quality Control, Error Analysis, and Impact Assessment of FORMOSAT-3/COSMIC in Numerical Weather Prediction. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2009, 20, 101.	0.6	61
33	The benefit of GPS zenith delay assimilation to high-resolution quantitative precipitation forecasts: a case study from COPS IOP 9. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2009, 135, 1788-1800.	2.7	38
34	Impact of GPS zenith delay assimilation on convective-scale prediction of Mediterranean heavy rainfall. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	45
35	Preliminary assessment of the scalability of GPS radio occultations impact in numerical weather prediction. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	28
36	Errors induced by ozone field horizontal inhomogeneities into simulated nadir-viewing orbital backscatter UV measurements. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	1

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37	Forecast impact studies of zenith total delay data from European near real-time GPS stations in MÃ©tÃ©o France 4DVAR. Journal of Geophysical Research, 2007, 112, .	3.3	86
38	Effects of data selection and error specification on the assimilation of AIRS data. Quarterly Journal of the Royal Meteorological Society, 2007, 133, 181-196.	2.7	10
39	Note on the effect of horizontal gradients for nadir-viewing microwave and infrared sounders. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 1783-1792.	2.7	6
40	Diagnosis of observation, background and analysis-error statistics in observation space. Quarterly Journal of the Royal Meteorological Society, 2005, 131, 3385-3396.	2.7	611
41	Effects of horizontal gradients on GPS radio occultation observation operators. I: Ray tracing. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 2787-2805.	2.7	28
42	Effects of horizontal gradients on GPS radio occultation observation operators. II: A Fast Atmospheric Refractivity Gradient Operator (FARGO). Quarterly Journal of the Royal Meteorological Society, 2004, 130, 2807-2825.	2.7	17
43	Detection of cloud-affected AIRS channels using an adjacent-pixel approach. Quarterly Journal of the Royal Meteorological Society, 2004, 130, 1469-1487.	2.7	12
44	1DVAR analysis of temperature and humidity using GPS radio occultation refractivity data. Journal of Geophysical Research, 2002, 107, ACL 14-1.	3.3	67