Gilbert P Compo

List of Publications by Year
in descending order

61 papers	18,269 citations	126907 33 h-index	128289 60 g-index
68 all docs	68 docs citations	68 times ranked	18937 citing authors

#	Article	IF	Citations
1	A Practical Guide to Wavelet Analysis. Bulletin of the American Meteorological Society, 1998, 79, 61-78.	3.3	11,018
2	The Twentieth Century Reanalysis Project. Quarterly Journal of the Royal Meteorological Society, 2011, 137, 1-28.	2.7	2,785
3	ENSO-Forced Variability of the Pacific Decadal Oscillation. Journal of Climate, 2003, 16, 3853-3857.	3.2	582
4	Towards a more reliable historical reanalysis: Improvements for version 3 of the Twentieth Century Reanalysis system. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2876-2908.	2.7	441
5	Feasibility of a 100-Year Reanalysis Using Only Surface Pressure Data. Bulletin of the American Meteorological Society, 2006, 87, 175-190.	3.3	362
6	Introduction to the SPARC Reanalysis Intercomparison ProjectÂ(S-RIP) and overview of the reanalysis systems. Atmospheric Chemistry and Physics, 2017, 17, 1417-1452.	4.9	276
7	Reanalysis without Radiosondes Using Ensemble Data Assimilation. Monthly Weather Review, 2004, 132, 1190-1200.	1.4	190
8	Changes of Probability Associated with El NiÃ±o. Journal of Climate, 2000, 13, 4268-4286.	3.2	186
9	Removing ENSO-Related Variations from the Climate Record. Journal of Climate, 2010, 23, 1957-1978.	3.2	156
10	The International Atmospheric Circulation Reconstructions over the Earth (ACRE) Initiative. Bulletin of the American Meteorological Society, 2011, 92, 1421-1425.	3.3	146
11	State of the Climate in 2010. Bulletin of the American Meteorological Society, 2011, 92, S1-S236.	3.3	135
12	The horizontal and vertical structure of east Asian winter monsoon pressure surges. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 29-54.	2.7	132
13	Trends and low frequency variability of extra-tropical cyclone activity in the ensemble of twentieth century reanalysis. Climate Dynamics, 2013, 40, 2775-2800.	3.8	128
14	The Asian Monsoon, the Tropospheric Biennial Oscillation, and the Indian Ocean Zonal Mode in the NCAR CSM*. Journal of Climate, 2003, 16, 1617-1642.	3.2	121
15	Continental heat anomalies and the extreme melting of the Greenland ice surface in 2012 and 1889. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6520-6536.	3.3	106
16	The International Surface Pressure Databank version 2. Geoscience Data Journal, 2015, 2, 31-46.	4.4	102
17	Oceanic influences on recent continental warming. Climate Dynamics, 2009, 32, 333-342.	3.8	100
18	An ensemble of ocean reanalyses for 1815â€“2013 with sparse observational input. Journal of Geophysical Research: Oceans, 2016, 121, 6891-6910.	2.6	90

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19	The Comprehensive Historical Upper-Air Network. Bulletin of the American Meteorological Society, 2010, 91, 741-752.	3.3	76
20	Pacific Walker Circulation variability in coupled and uncoupled climate models. Climate Dynamics, 2014, 43, 103-117.	3.8	70
21	Need for Caution in Interpreting Extreme Weather Statistics. Journal of Climate, 2015, 28, 9166-9187.	3.2	70
22	A Comparison of Variational and Ensemble-Based Data Assimilation Systems for Reanalysis of Sparse Observations. Monthly Weather Review, 2009, 137, 1991-1999.	1.4	69
23	Trends and low-frequency variability of storminess over western Europe, 1878â€“2007. Climate Dynamics, 2011, 37, 2355-2371.	3.8	61
24	Modulation of equatorial subseasonal convective episodes by tropical-extratropical interaction in the Indian and Pacific Ocean regions. Journal of Geophysical Research, 1996, 101, 15033-15049.	3.3	56
25	Extreme winds at northern mid-latitudes since 1871. Meteorologische Zeitschrift, 2012, 21, 13-27.	1.0	53
26	The Extreme 2015/16 El NiÃ±o, in the Context of Historical Climate Variability and Change. Bulletin of the American Meteorological Society, 2018, 99, S16-S20.	3.3	50
27	Changes of Subseasonal Variability Associated with El NiÃ±o. Journal of Climate, 2001, 14, 3356-3374.	3.2	47
28	Storm Track Predictability on Seasonal and Decadal Scales. Journal of Climate, 2004, 17, 3701-3720.	3.2	47
29	A roadmap to climate data rescue services. Geoscience Data Journal, 2018, 5, 28-39.	4.4	47
30	Independent confirmation of global land warming without the use of station temperatures. Geophysical Research Letters, 2013, 40, 3170-3174.	4.0	46
31	The 1918/19 El NiÃ±o. Bulletin of the American Meteorological Society, 2010, 91, 177-183.	3.3	44
32	Southward shift of the northern tropical belt from 1945 to 1980. Nature Geoscience, 2015, 8, 969-974.	12.9	39
33	Web-Based Reanalysis Intercomparison Tools (WRIT) for Analysis and Comparison of Reanalyses and Other Datasets. Bulletin of the American Meteorological Society, 2014, 95, 1671-1678.	3.3	38
34	A collection of sub-daily pressure and temperature observations for the early instrumental period with a focus on the "year without a summer" 1816. Climate of the Past, 2015, 11, 1027-1047.	3.4	37
35	A multi-data set comparison of the vertical structure of temperature variability and change over the Arctic during the past 100Âyears. Climate Dynamics, 2012, 39, 1577-1598.	3.8	31
36	Representation of Extratropical Cyclones, Blocking Anticyclones, and Alpine Circulation Types in Multiple Reanalyses and Model Simulations. Journal of Climate, 2018, 31, 3009-3031.	3.2	28

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37	A twentieth-century reanalysis forced ocean model to reconstruct the North Atlantic climate variation during the 1920s. Climate Dynamics, 2015, 44, 1935-1955.	3.8	26
38	Is the storminess in the Twentieth Century Reanalysis really inconsistent with observations? A reply to the comment by Krueger etÂal. (2013b). Climate Dynamics, 2014, 42, 1113-1125.	3.8	24
39	Advancing Science and Services during the 2015/16 El NiÃ±o: The NOAA El NiÃ±o Rapid Response Field Campaign. Bulletin of the American Meteorological Society, 2018, 99, 975-1001.	3.3	23
40	Dynamical Downscaling and Loss Modeling for the Reconstruction of Historical Weather Extremes and Their Impacts: A Severe Foehn Storm in 1925. Bulletin of the American Meteorological Society, 2015, 96, 1233-1241.	3.3	21
41	Tropospheric circulation during the early twentieth century Arctic warming. Climate Dynamics, 2017, 48, 2405-2418.	3.8	21
42	Anomalous mid-twentieth century atmospheric circulation change over the South Atlantic compared to the last 6000 years. Environmental Research Letters, 2016, 11, 064009.	5.2	19
43	Downwelling longwave flux over Summit, Greenland, 2010â€“2012: Analysis of surfaceâ€based observations and evaluation of ERAâ€Interim using wavelets. Journal of Geophysical Research D: Atmospheres, 2014, 119, 12,317.	3.3	18
44	Sensitivities of the NCEP Global Forecast System. Monthly Weather Review, 2019, 147, 1237-1256.	1.4	17
45	Uncertainties in Ocean Latent Heat Flux Variations over Recent Decades in Satellite-Based Estimates and Reduced Observation Reanalyses. Journal of Climate, 2020, 33, 8415-8437.	3.2	16
46	Advancing Global and Regional Reanalyses. Bulletin of the American Meteorological Society, 2018, 99, ES139-ES144.	3.3	15
47	On the Development of GFDL's Decadal Prediction System: Initialization Approaches and Retrospective Forecast Assessment. Journal of Advances in Modeling Earth Systems, 2021, 13, .	3.8	14
48	Early ship-based upper-air data and comparison with the Twentieth Century Reanalysis. Climate of the Past, 2011, 7, 265-276.	3.4	12
49	Ozone highs and associated flow features in the first half of the twentieth century in different data sets. Meteorologische Zeitschrift, 2012, 21, 49-59.	1.0	11
50	Wavelet Analysis and Filtering to Identify Dominant Orientations of Permeability Anisotropy. Mathematical Geosciences, 2009, 41, 643-659.	2.4	10
51	The horizontal and vertical structure of east Asian winter monsoon pressure surges. Quarterly Journal of the Royal Meteorological Society, 1999, 125, 29-54.	2.7	10
52	Upper-air observations from the German Atlantic Expedition (1925â€“27) and comparison with the Twentieth Century and ERA-20C reanalyses. Meteorologische Zeitschrift, 2015, 24, 525-544.	1.0	9
53	Influence of warming and atmospheric circulation changes on multidecadal European flood variability. Climate of the Past, 2022, 18, 919-933.	3.4	6
54	The Tosontsengel Mongolia world record seaâ€level pressure extreme: spatial analysis of elevation bias in adjustmentâ€toâ€seaâ€level pressures. International Journal of Climatology, 2015, 35, 2968-2977.	3.5	5

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55	Assessing potential of sparseâ€input reanalyses for centennialâ€scale land surface air temperature homogenisation. International Journal of Climatology, 2021, 41, E3000.	3.5	4
56	Meteorological data rescue: Citizen science lessons learned from Southern Weather Discovery. Patterns, 2022, 3, 100495.	5.9	4
57	What Is the Impact of Additional Tropical Observations on a Modern Data Assimilation System?. Monthly Weather Review, 2019, 147, 2433-2449.	1.4	2
58	An assessment of early 20th century Antarctic pressure reconstructions using historical observations. International Journal of Climatology, 2021, 41, E672.	3.5	2
59	Blasts from the Past: Reimagining Historical Storms with Model Simulations to Modernize Dam Safety and Flood Risk Assessment. Bulletin of the American Meteorological Society, 2022, 103, E266-E280.	3.3	2
60	Effects of Atmospheric Rivers. , 2020, , 141-177.		2
61	Overlapping Windows in a Global Hourly Data Assimilation System. Monthly Weather Review, 2022, , .	1.4	0