Matthew Newman

List of Publications by Year
in descending order

67 papers	7,535 citations	109321 35 h-index	98798 67 g-index
71 all docs	71 docs citations	71 times ranked	5968 citing authors

#	Article	IF	Citations
1	The Atmospheric Bridge: The Influence of ENSO Teleconnections on Airâ€“Sea Interaction over the Global Oceans. Journal of Climate, 2002, 15, 2205-2231.	3.2	1,505
2	The Pacific Decadal Oscillation, Revisited. Journal of Climate, 2016, 29, 4399-4427.	3.2	877
3	Understanding ENSO Diversity. Bulletin of the American Meteorological Society, 2015, 96, 921-938.	3.3	745
4	ENSO-Forced Variability of the Pacific Decadal Oscillation. Journal of Climate, 2003, 16, 3853-3857.	3.2	582
5	A verification framework for interannual-to-decadal predictions experiments. Climate Dynamics, 2013, 40, 245-272.	3.8	254
6	Stratiform Precipitation, Vertical Heating Profiles, and the Maddenâ€“Julian Oscillation. Journals of the Atmospheric Sciences, 2004, 61, 296-309.	1.7	210
7	Natural variation in ENSO flavors. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	170
8	Reconciling disparate twentieth-century Indo-Pacific ocean temperature trends in the instrumental record. Nature Climate Change, 2012, 2, 691-699.	18.8	154
9	Interannual to Decadal Predictability of Tropical and North Pacific Sea Surface Temperatures. Journal of Climate, 2007, 20, 2333-2356.	3.2	148
10	Medium-Range Forecast Errors Associated with Active Episodes of theMaddenâ€“Julian Oscillation. Monthly Weather Review, 2000, 128, 69-86.	1.4	145
11	Distinguishing the Roles of Natural and Anthropogenically Forced Decadal Climate Variability. Bulletin of the American Meteorological Society, 2011, 92, 141-156.	3.3	125
12	Windows of Opportunity for Skillful Forecasts Subseasonal to Seasonal and Beyond. Bulletin of the American Meteorological Society, 2020, 101, E608-E625.	3.3	124
13	Multiplicative Noise and Non-Gaussianity: A Paradigm for Atmospheric Regimes?. Journals of the Atmospheric Sciences, 2005, 62, 1391-1409.	1.7	113
14	Relative Contributions of Synoptic and Low-Frequency Eddies to Time-Mean Atmospheric Moisture Transport, Including the Role of Atmospheric Rivers. Journal of Climate, 2012, 25, 7341-7361.	3.2	110
15	A Linear Model of Wintertime Low-Frequency Variability. Part I: Formulation and Forecast Skill. Journal of Climate, 2001, 14, 4474-4494.	3.2	107
16	A Caveat Concerning Singular Value Decomposition. Journal of Climate, 1995, 8, 352-360.	3.2	105
17	Investigating the Local Atmospheric Response to a Realistic Shift in the Oyashio Sea Surface Temperature Front. Journal of Climate, 2015, 28, 1126-1147.	3.2	103
18	Are we near the predictability limit of tropical Indoâ€Pacific sea surface temperatures?. Geophysical Research Letters, 2017, 44, 8520-8529.	4.0	102

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19	A Study of Subseasonal Predictability. Monthly Weather Review, 2003, 131, 1715-1732.	1.4	94
20	The Impact of the Annual Cycle on the North Pacific/North American Response to Remote Low-Frequency Forcing. Journals of the Atmospheric Sciences, 1998, 55, 1336-1353.	1.7	93
21	Decadal climate variability in the tropical Pacific: Characteristics, causes, predictability, and prospects. Science, 2021, 374, eaay9165.	12.6	92
22	An Empirical Benchmark for Decadal Forecasts of Global Surface Temperature Anomalies. Journal of Climate, 2013, 26, 5260-5269.	3.2	90
23	Optimal growth of Central and East Pacific ENSO events. Geophysical Research Letters, 2014, 41, 4027-4034.	4.0	88
24	An Assessment of the NCEP, NASA, and ECMWF Reanalyses over the Tropical West Pacific Warm Pool. Bulletin of the American Meteorological Society, 2000, 81, 41-48.	3.3	87
25	How Important Is Airâ€“Sea Coupling in ENSO and MJO Evolution?. Journal of Climate, 2009, 22, 2958-2977.	3.2	86
26	Zonal Winds in the Middle Atmosphere of Venus from Pioneer Venus Radio Occultation Data. Journals of the Atmospheric Sciences, 1984, 41, 1901-1913.	1.7	83
27	An empirical model of tropical ocean dynamics. Climate Dynamics, 2011, 37, 1823-1841.	3.8	82
28	Maintenance of Strong Rotational Winds in Venus' Middle Atmosphere by Thermal Tides. Science, 1992, 257, 647-650.	12.6	80
29	Characterizing decadal to centennial variability in the equatorial Pacific during the last millennium. Geophysical Research Letters, 2013, 40, 3450-3456.	4.0	79
30	Stochastic Forcing of the Wintertime Extratropical Flow. Journals of the Atmospheric Sciences, 1997, 54, 435-455.	1.7	73
31	Rossby Wave Propagation and the Rapid Development of Upper-Level Anomalous Anticyclones during the 1988 U.S. Drought. Journal of Climate, 1998, 11, 2491-2504.	3.2	64
32	Skillful Climate Forecasts of the Tropical Indo-Pacific Ocean Using Model-Analogs. Journal of Climate, 2018, 31, 5437-5459.	3.2	52
33	The Experimental MJO Prediction Project. Bulletin of the American Meteorological Society, 2006, 87, 425-431.	3.3	50
34	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
35	The Late Fall Extratropical Response to ENSO: Sensitivity to Coupling and Convection in the Tropical West Pacific. Journal of Climate, 2008, 21, 6101-6118.	3.2	47
36	Daily to Decadal Sea Surface Temperature Variability Driven by State-Dependent Stochastic Heat Fluxes. Journal of Physical Oceanography, 2006, 36, 1940-1958.	1.7	39

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37	Diagnosing Secular Variations in Retrospective ENSO Seasonal Forecast Skill Using CMIP5 Modelâ€Analogs. Geophysical Research Letters, 2019, 46, 1721-1730.	4.0	36
38	A Priori Identification of Skillful Extratropical Subseasonal Forecasts. Geophysical Research Letters, 2019, 46, 12527-12536.	4.0	28
39	The Impact of Rapid Wind Variability upon Airâ€“Sea Thermal Coupling. Journal of Climate, 2008, 21, 621-637.	3.2	27
40	Investigating the Role of Oceanâ€“Atmosphere Coupling in the North Pacific Ocean. Journal of Climate, 2014, 27, 592-606.	3.2	27
41	Tropical and Stratospheric Influences on Extratropical Short-Term Climate Variability. Journal of Climate, 2008, 21, 4326-4347.	3.2	25
42	Free Barotropic Rossby Wave Dynamics of the Wintertime Low-Frequency Flow. Journals of the Atmospheric Sciences, 1997, 54, 5-23.	1.7	23
43	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
44	Zonal Winds and the Angular Momentum Balance of Venusâ€™ Atmosphere within and above the Clouds. Journals of the Atmospheric Sciences, 1985, 42, 1982-1990.	1.7	21
45	An Optimal Precursor of Northeast Pacific Marine Heatwaves and Central Pacific El NiÃ±o Events. Geophysical Research Letters, 2022, 49, .	4.0	20
46	Drifts induced by multiplicative red noise with application to climate. Europhysics Letters, 2003, 63, 498-504.	2.0	19
47	Potential Reemergence of Seasonal Soil Moisture Anomalies in North America. Journal of Climate, 2019, 32, 2707-2734.	3.2	19
48	The Critical Role of Non-Normality in Partitioning Tropical and Extratropical Contributions to PNA Growth. Journal of Climate, 2020, 33, 6273-6295.	3.2	19
49	Observed El NiÃ±oâ€ša NiÃ±a Asymmetry in a Linear Model. Geophysical Research Letters, 2019, 46, 9909-9919.	4.0	18
50	Subseasonal predictability of the North Atlantic Oscillation. Environmental Research Letters, 2021, 16, 044024.	5.2	18
51	Seasonal Predictability of Global and North American Coastal Sea Surface Temperature and Height Anomalies. Geophysical Research Letters, 2021, 48, e2020GL091886.	4.0	18
52	The Continuum of Northeast Pacific Marine Heatwaves and Their Relationship to the Tropical Pacific. Geophysical Research Letters, 2021, 48, 2020GL090661.	4.0	15
53	Relating CMIP5 Model Biases to Seasonal Forecast Skill in the Tropical Pacific. Geophysical Research Letters, 2020, 47, e2019GL086765.	4.0	14
54	Calculating State-Dependent Noise in a Linear Inverse Model Framework. Journals of the Atmospheric Sciences, 2018, 75, 479-496.	1.7	13

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55	Optimal North Pacific Blocking Precursors and Their Deterministic Subseasonal Evolution during Boreal Winter. Monthly Weather Review, 2020, 148, 739-761.	1.4	13
56	Rossby waves in a stochastically fluctuating medium. , 2001, , 369-384.		13
57	Impact of Annual Cycle on ENSO Variability and Predictability. Journal of Climate, 2021, 34, 171-193.	3.2	12
58	Decadal predictability of tropical Indo-Pacific Ocean temperature trends due to anthropogenic forcing in a coupled climate model. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	11
59	Interannual to Decadal Variability of Tropical Indian Ocean Sea Surface Temperature: Pacific Influence versus Local Internal Variability. Journal of Climate, 2021, 34, 2669-2684.	3.2	10
60	Removing the Effects of Tropical Dynamics from North Pacific Climate Variability. Journal of Climate, 2021, , 1-49.	3.2	10
61	The Role of Stochastic Forcing in Generating ENSO Diversity. Journal of Climate, 2018, 31, 9125-9150.	3.2	9
62	The GLACE-Hydrology Experiment: Effects of Landâ€“Atmosphere Coupling on Soil Moisture Variability and Predictability. Journal of Climate, 2020, 33, 6511-6529.	3.2	9
63	The Role of Seasonality and the ENSO Mode in Central and East Pacific ENSO Growth and Evolution. Journal of Climate, 2022, 35, 3195-3209.	3.2	9
64	A linear diagnosis of the coupled extratropical ocean-atmosphere system in the GFDL GCM. Atmospheric Science Letters, 2000, 1, 14-25.	1.9	8
65	Subseasonal Meteorological Drought Development over the Central United States during Spring. Journal of Climate, 2022, 35, 2525-2547.	3.2	7
66	Enhancing ENSO Prediction Skill by Combining Modelâ€Analog and Linear Inverse Models (MAâ€LIM). Geophysical Research Letters, 2020, 47, e2019GL085914.	4.0	6
67	Subseasonal Forecast Skill Improvement From Strongly Coupled Data Assimilation With a Linear Inverse Model. Geophysical Research Letters, 2022, 49, .	4.0	1