Mark A Cane

List of Publications by Year
in descending order

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80	15,995	50566 48	81351 76
papers	citations	h-index	g-index

82	82	82	12999
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	On the Allâ€India Rainfall Index and Subâ€India Rainfall Heterogeneity. Geophysical Research Letters, 2022, 49, .	1.5	1
2	On the Breakdown of ENSO's Relationship With Thermocline Depth in the Centralâ€Equatorial Pacific. Geophysical Research Letters, 2021, 48, e2020GL092335.	1.5	12
3	Historical change of El NiÃ±o properties sheds light on future changes of extreme El NiÃ±o. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 22512-22517.	3.3	221
4	The Predictability of Tropical Pacific Decadal Variability: Insights from Attractor Reconstruction. Journals of the Atmospheric Sciences, 2019, 76, 801-819.	0.6	5
5	Is There a Role for Human-Induced Climate Change in the Precipitation Decline that Drove the California Drought?. Journal of Climate, 2017, 30, 10237-10258.	1.2	14
6	Predictability and prediction of persistent cool states of the Tropical Pacific Ocean. Climate Dynamics, 2017, 49, 2291-2307.	1.7	8
7	ENSO in the CMIP5 Simulations: Life Cycles, Diversity, and Responses to Climate Change. Journal of Climate, 2017, 30, 775-801.	1.2	93
8	Diversity, Nonlinearity, Seasonality, and Memory Effect in ENSO Simulation and Prediction Using Empirical Model Reduction. Journal of Climate, 2016, 29, 1809-1830.	1.2	34
9	Modeling Sustainability: Population, Inequality, Consumption, and Bidirectional Coupling of the Earth and Human Systems. National Science Review, 2016, 3, nww081.	4.6	96
10	Multilevel vector autoregressive prediction of sea surface temperature in the North Tropical Atlantic Ocean and the Caribbean Sea. Climate Dynamics, 2016, 47, 95-106.	1.7	15
11	Climate change in the Fertile Crescent and implications of the recent Syrian drought. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3241-3246.	3.3	959
12	Strong influence of westerly wind bursts on El NiÃ±o diversity. Nature Geoscience, 2015, 8, 339-345.	5.4	277
13	The Rainfall Annual Cycle Bias over East Africa in CMIP5 Coupled Climate Models. Journal of Climate, 2015, 28, 9789-9802.	1.2	58
14	A Vector Autoregressive ENSO Prediction Model. Journal of Climate, 2015, 28, 8511-8520.	1.2	23
15	Modeling winter rainfall in Northwest India using a hidden Markov model: understanding occurrence of different states and their dynamical connections. Climate Dynamics, 2015, 44, 1003-1015.	1.7	15
16	Temperature and violence. Nature Climate Change, 2014, 4, 234-235.	8.1	24
17	Intrinsic modulation of ENSO predictability viewed through a local Lyapunov lens. Climate Dynamics, 2014, 42, 253-270.	1.7	29
18	The East African Long Rains in Observations and Models. Journal of Climate, 2014, 27, 7185-7202.	1.2	168

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19	Divergent global precipitation changes induced by natural versus anthropogenic forcing. Nature, 2013, 493, 656-659.	13.7	172
20	Climate Change during and after the Roman Empire: Reconstructing the Past from Scientific and Historical Evidence. Journal of Interdisciplinary History, 2012, 43, 169-220.	0.0	405
21	Civil conflicts are associated with the global climate. Nature, 2011, 476, 438-441.	13.7	618
22	Decadal predictions in demand. Nature Geoscience, 2010, 3, 231-232.	5.4	53
23	Observed Strengthening of the Zonal Sea Surface Temperature Gradient across the Equatorial Pacific Ocean*. Journal of Climate, 2009, 22, 4316-4321.	1.2	141
24	Pacific Decadal Variability in the View of Linear Equatorial Wave Theory*. Journal of Physical Oceanography, 2009, 39, 203-219.	0.7	11
25	Climate Change over the Equatorial Indo-Pacific in Global Warming*. Journal of Climate, 2009, 22, 2678-2693.	1.2	18
26	El NiÃ±o prediction and predictability. Journal of Computational Physics, 2008, 227, 3625-3640.	1.9	134
27	July droughts over Homogeneous Indian Monsoon region and Indian Ocean dipole during El NiÃ±o events. International Journal of Climatology, 2008, 28, 1799-1805.	1.5	10
28	Volcanoes and ENSO over the Past Millennium. Journal of Climate, 2008, 21, 3134-3148.	1.2	204
29	Early Pliocene (preâ€“Ice Age) El NiÃ±oâ€“like global climate: Which El NiÃ±o?. , 2007, 3, 337.		56
30	Indian summer monsoon rainfall and its link with ENSO and Indian Ocean climate indices. International Journal of Climatology, 2007, 27, 179-187.	1.5	117
31	North American drought: Reconstructions, causes, and consequences. Earth-Science Reviews, 2007, 81, 93-134.	4.0	677
32	Predictability Loss in an Intermediate ENSO Model due to Initial Error and Atmospheric Noise*. Journal of Climate, 2006, 19, 3572-3588.	1.2	24
33	Progress in Paleoclimate Modeling*. Journal of Climate, 2006, 19, 5031-5057.	1.2	63
34	Volcanic and Solar Forcing of the Tropical Pacific over the Past 1000 Years. Journal of Climate, 2005, 18, 447-456.	1.2	446
35	The evolution of El NiÃ±o, past and future. Earth and Planetary Science Letters, 2005, 230, 227-240.	1.8	304
36	Predictability of El NiÃ±o over the past 148 years. Nature, 2004, 428, 733-736.	13.7	511

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37	Predictability of Tropical Pacific Decadal Variability in an Intermediate Model*. Journal of Climate, 2004, 17, 2842-2850.	1.2	27
38	El NiÃ±o's tropical climate and teleconnections as a blueprint for pre-Ice Age climates. Paleoceanography, 2002, 17, 11-1-11-11.	3.0	133
39	Pacific sea surface temperature field reconstruction from coral Î´18O data using reduced space objective analysis. Paleoceanography, 2002, 17, 7-1-7-13.	3.0	120
40	Tropical Pacific 1976â€“77 Climate Shift in a Linear, Wind-Driven Model*. Journal of Physical Oceanography, 2002, 32, 2350-2360.	0.7	32
41	Last Interglacial and Early Glacial ENSO. Quaternary Research, 2002, 58, 27-31.	1.0	52
42	Use of data assimilation via linear low-order models for the initialization of El NiÃ±o-Southern Oscillation predictions. Journal of Geophysical Research, 2001, 106, 30947-30959.	3.3	11
43	Support for tropically-driven pacific decadal variability based on paleoproxy evidence. Geophysical Research Letters, 2001, 28, 3689-3692.	1.5	97
44	Understanding and Predicting the World's Climate System. ASA Special Publication, 2001, , .	0.8	0
45	Interdecadal Changes in the ENSO Teleconnection to the Caribbean Region and the North Atlantic Oscillation*. Journal of Climate, 2001, 14, 2867-2879.	1.2	165
46	Relative Roles of Elevated Heating and Surface Temperature Gradients in Driving Anomalous Surface Winds over Tropical Oceans. Journals of the Atmospheric Sciences, 2001, 58, 1371-1394.	0.6	98
47	The ENSO Teleconnection to the Tropical Atlantic Ocean: Contributions of the Remote and Local SSTs to Rainfall Variability in the Tropical Americas*. Journal of Climate, 2001, 14, 4530-4544.	1.2	220
48	An Orbitally Driven Tropical Source for Abrupt Climate Change*. Journal of Climate, 2001, 14, 2369-2375.	1.2	166
49	Closing of the Indonesian seaway as a precursor to east African aridification around 3â€“4â€‰million years ago. Nature, 2001, 411, 157-162.	13.7	466
50	Meridional Location of the Pacific Ocean Subtropical Gyre. Journal of Physical Oceanography, 2000, 30, 1988-2000.	0.7	2
51	Reduced Space Optimal Interpolation of Historical Marine Sea Level Pressure: 1854â€“1992*. Journal of Climate, 2000, 13, 2987-3002.	1.2	191
52	Interannual Variability of Caribbean Rainfall, ENSO, and the Atlantic Ocean*. Journal of Climate, 2000, 13, 297-311.	1.2	441
53	Intercomparison of coral oxygen isotope data and historical sea surface temperature (SST): Potential for coral-based SST field reconstructions. Paleoceanography, 2000, 15, 551-563.	3.0	67
54	Bias correction of an ocean-atmosphere coupled model. Geophysical Research Letters, 2000, 27, 2585-2588.	1.5	64

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55	Suppression of El NiÃ±o during the Mid-Holocene by changes in the Earth's orbit. Paleoceanography, 2000, 15, 731-737.	3.0	397
56	On the Weakening Relationship Between the Indian Monsoon and ENSO. Science, 1999, 284, 2156-2159.	6.0	1,325
57	The impact of NSCAT winds on predicting the 1997/1998 El NiÃ±o: A case study with the Lamont-Doherty Earth Observatory model. Journal of Geophysical Research, 1999, 104, 11321-11327.	3.3	27
58	Epochal changes in Indian Monsoon-ENSO precursors. Geophysical Research Letters, 1999, 26, 75-78.	1.5	61
59	The role of the Indonesian Throughflow in equatorial Pacific thermocline ventilation. Journal of Geophysical Research, 1999, 104, 20551-20570.	3.3	39
60	Analyses of global sea surface temperature 1856-1991. Journal of Geophysical Research, 1998, 103, 18567-18589.	3.3	1,287
61	The impact of sea level data assimilation on the Lamont Model Prediction of the 1997/98 El NiÃ±o. Geophysical Research Letters, 1998, 25, 2837-2840.	1.5	50
62	Optimal sites for coral-based reconstruction of global sea surface temperature. Paleoceanography, 1998, 13, 502-516.	3.0	47
63	Locking of El NiÃ±oâ€™s Peak Time to the End of the Calendar Year in the Delayed Oscillator Picture of ENSO. Journal of Climate, 1998, 11, 2191-2199.	1.2	130
64	Controlling Spatiotemporal Chaos in a Realistic El NiÃ±o Prediction Model. Physical Review Letters, 1997, 79, 1034-1037.	2.9	42
65	Initialization and Predictability of a Coupled ENSO Forecast Model*. Monthly Weather Review, 1997, 125, 773-788.	0.5	64
66	Anomalous ENSO Occurrences: An Alternate View*. Journal of Climate, 1997, 10, 2351-2357.	1.2	113
67	Twentieth-Century Sea Surface Temperature Trends. Science, 1997, 275, 957-960.	6.0	443
68	Sea level from temperature profiles in the tropical Pacific Ocean, 1975-1982. Journal of Geophysical Research, 1996, 101, 18105-18119.	3.3	4
69	Mapping tropical Pacific sea level: Data assimilation via a reduced state space Kalman filter. Journal of Geophysical Research, 1996, 101, 22599-22617.	3.3	157
70	An Ocean Dynamical Thermostat. Journal of Climate, 1996, 9, 2190-2196.	1.2	492
71	Tropical data assimilation: theoretical aspects. Elsevier Oceanography Series, 1996, 61, 207-233.	0.1	8
72	Forecasting Zimbabwean maize yield using eastern equatorial Pacific sea surface temperature. Nature, 1994, 370, 204-205.	13.7	286

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73	Interactive Kaiman filtering. Journal of Geophysical Research, 1994, 99, 8015.	3.3	7
74	Effect of lowâ€latitude western boundary gaps on the reflection of equatorial motions. Journal of Geophysical Research, 1991, 96, 3307-3322.	3.3	33
75	Natural Climate Variability in a Coupled Model. Developments in Atmospheric Science, 1991, 19, 457-469.	0.3	20
76	A model of the tropical Pacific sea surface temperature climatology. Journal of Geophysical Research, 1988, 93, 1265-1280.	3.3	126
77	A Model El Ni&ntildeâ€“Southern Oscillation. Monthly Weather Review, 1987, 115, 2262-2278.	0.5	1,578
78	Experimental forecasts of El NiÃ±o. Nature, 1986, 321, 827-832.	13.7	662
79	Predicting Pacific Decadal Variability. Geophysical Monograph Series, 0, , 105-120.	0.1	17
80	Understanding and Predicting the World's Climate System. ASA Special Publication, 0, , 1-20.	0.8	1