Stephen E Zebiak

List of Publications by Year
in descending order

52 papers	10,363 citations	87888 38 h-index	175258 52 g-index
52 all docs	52 docs citations	52 times ranked	6283 citing authors

#	Article	IF	Citations
1	A Model El Ni&ntildeâ€“Southern Oscillation. Monthly Weather Review, 1987, 115, 2262-2278.	1.4	1,578
2	ENSO as an Integrating Concept in Earth Science. Science, 2006, 314, 1740-1745.	12.6	1,315
3	ENSO theory. Journal of Geophysical Research, 1998, 103, 14261-14290.	3.3	809
4	Experimental forecasts of El NiÃ±o. Nature, 1986, 321, 827-832.	27.8	662
5	Airâ€“Sea Interaction in the Equatorial Atlantic Region. Journal of Climate, 1993, 6, 1567-1586.	3.2	593
6	Predictability of El NiÃ±o over the past 148 years. Nature, 2004, 428, 733-736.	27.8	511
7	An Ocean Dynamical Thermostat. Journal of Climate, 1996, 9, 2190-2196.	3.2	492
8	Volcanic and Solar Forcing of the Tropical Pacific over the Past 1000 Years. Journal of Climate, 2005, 18, 447-456.	3.2	446
9	Twentieth-Century Sea Surface Temperature Trends. Science, 1997, 275, 957-960.	12.6	443
10	The Relationships between Tropical Pacific and Atlantic SST and Northeast Brazil Monthly Precipitation. Journal of Climate, 1998, 11, 551-562.	3.2	305
11	Long-Lead Seasonal Forecastsâ€”Where Do We Stand?. Bulletin of the American Meteorological Society, 1994, 75, 2097-2114.	3.3	233
12	A Pilot Research Moored Array in the Tropical Atlantic (PIRATA). Bulletin of the American Meteorological Society, 1998, 79, 2019-2031.	3.3	188
13	A Study of Self-excited Oscillations of the Tropical Oceanâ€“Atmosphere System. Part II: Nonlinear Cases. Journals of the Atmospheric Sciences, 1991, 48, 1238-1248.	1.7	173
14	Multimodel Ensembling in Seasonal Climate Forecasting at IRI. Bulletin of the American Meteorological Society, 2003, 84, 1783-1796.	3.3	165
15	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. Monthly Weather Review, 2002, 130, 1792-1811.	1.4	155
16	Irregularity and Locking to the Seasonal Cycle in an ENSO Prediction Model as Explained by the Quasi-Periodicity Route to Chaos. Journals of the Atmospheric Sciences, 1995, 52, 293-306.	1.7	153
17	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.	3.2	130
18	Improved Combination of Multiple Atmospheric GCM Ensembles for Seasonal Prediction. Monthly Weather Review, 2004, 132, 2732-2744.	1.4	130

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19	Atmospheric Convergence Feedback in a Simple Model for El NiÃ±o. Monthly Weather Review, 1986, 114, 1263-1271.	1.4	129
20	A model of the tropical Pacific sea surface temperature climatology. Journal of Geophysical Research, 1988, 93, 1265-1280.	3.3	126
21	Mechanisms of Seasonal â€“ ENSO Interaction. Journals of the Atmospheric Sciences, 1997, 54, 61-71.	1.7	126
22	Improving the Detection and Tracking of Tropical Cyclones in Atmospheric General Circulation Models. Weather and Forecasting, 2002, 17, 1152-1162.	1.4	123
23	Oceanic Heat Content Variability and El NiÃ±o Cycles. Journal of Physical Oceanography, 1989, 19, 475-486.	1.7	108
24	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.	1.7	98
25	Interdecadal changes in eastern Pacific ITCZ variability and its influence on the Atlantic ITCZ. Geophysical Research Letters, 2000, 27, 3687-3690.	4.0	92
26	A new intermediate coupled model for El NiÃ±o simulation and prediction. Geophysical Research Letters, 2003, 30, .	4.0	91
27	A Simple Atmospheric Model of Relevance to El NiÃ±o. Journals of the Atmospheric Sciences, 1982, 39, 2017-2027.	1.7	74
28	On the 30â€“60 Day Oscillation and the Prediction of El NiÃ±o. Journal of Climate, 1989, 2, 1381-1387.	3.2	72
29	Retrospective El NiÃ±o Forecasts Using an Improved Intermediate Coupled Model. Monthly Weather Review, 2005, 133, 2777-2802.	1.4	71
30	Initialization and Predictability of a Coupled ENSO Forecast Model*. Monthly Weather Review, 1997, 125, 773-788.	1.4	64
31	Bias correction of an ocean-atmosphere coupled model. Geophysical Research Letters, 2000, 27, 2585-2588.	4.0	64
32	A statistical assessment of tropical cyclone activity in atmospheric general circulation models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 589-604.	1.7	64
33	An Operational Dynamical Downscaling Prediction System for Nordeste Brazil and the 2002â€“04 Real-Time Forecast Evaluation. Journal of Climate, 2006, 19, 1990-2007.	3.2	59
34	Last Interglacial and Early Glacial ENSO. Quaternary Research, 2002, 58, 27-31.	1.7	52
35	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.	4.0	50
36	Investigating El NiÃ±oâ€Southern Oscillation and society relationships. Wiley Interdisciplinary Reviews: Climate Change, 2015, 6, 17-34.	8.1	49

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37	A statistical assessment of tropical cyclone activity in atmospheric general circulation models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2005, 57, 589-604.	1.7	48
38	Controlling Spatiotemporal Chaos in a Realistic El NiÃ±o Prediction Model. Physical Review Letters, 1997, 79, 1034-1037.	7.8	42
39	An Empirical Parameterization of Subsurface Entrainment Temperature for Improved SST Anomaly Simulations in an Intermediate Ocean Model. Journal of Climate, 2005, 18, 350-371.	3.2	38
40	ENSO Simulation and Prediction with a Hybrid Coupled Model. Monthly Weather Review, 1997, 125, 2620-2641.	1.4	34
41	Africa needs climate data to fight disease. Nature, 2011, 471, 440-442.	27.8	34
42	Effect of Penetrating Momentum Flux over the Surface Boundary/Mixed Layer in az-Coordinate OGCM of the Tropical Pacific. Journal of Physical Oceanography, 2002, 32, 3616-3637.	1.7	33
43	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
44	Natural Climate Variability in a Coupled Model. Developments in Atmospheric Science, 1991, 19, 457-469.	0.2	20
45	Subduction of decadal North Pacific thermal anomalies in an ocean GCM. Geophysical Research Letters, 2001, 28, 2449-2452.	4.0	17
46	An Embedding Method for Improving Interannual Variability Simulations in a Hybrid Coupled Model of the Tropical Pacific Oceanâ€“Atmosphere System. Journal of Climate, 2004, 17, 2794-2812.	3.2	17
47	Surface Wind over Tropical Oceans: Diagnosis of the Momentum Balance, and Modeling the Linear Friction Coefficient. Journal of Climate, 2000, 13, 1733-1747.	3.2	16
48	The impacts of the model assimilated wind stress data in the initialization of an intermediate ocean and the ENSO predictability. Geophysical Research Letters, 2001, 28, 3713-3716.	4.0	11
49	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
50	Simulation of Tropical Climate with a Linear Primitive Equation Model. Journal of Climate, 1995, 8, 2497-2520.	3.2	10
51	Local and remote sources of tropical atlantic variability as inferred from the results of a hybrid ocean-atmosphere coupled model. Geophysical Research Letters, 2003, 30, n/a-n/a.	4.0	9
52	Embedding a SST anomaly model in to a zâ€coordinate oceanic GCM for producing El NiÃ±o oscillation in the tropical Pacific climate system. Geophysical Research Letters, 2003, 30, .	4.0	3