

# Stephen E Zebiak

## List of Publications by Year in descending order

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52  
papers

10,363  
citations

87843

38  
h-index

175177

52  
g-index

52  
all docs

52  
docs citations

52  
times ranked

6283  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Model El Niño–Southern Oscillation. <i>Monthly Weather Review</i> , 1987, 115, 2262-2278.	0.5	1,578
2	ENSO as an Integrating Concept in Earth Science. <i>Science</i> , 2006, 314, 1740-1745.	6.0	1,315
3	ENSO theory. <i>Journal of Geophysical Research</i> , 1998, 103, 14261-14290.	3.3	809
4	Experimental forecasts of El Niño. <i>Nature</i> , 1986, 321, 827-832.	13.7	662
5	Air–Sea Interaction in the Equatorial Atlantic Region. <i>Journal of Climate</i> , 1993, 6, 1567-1586.	1.2	593
6	Predictability of El Niño over the past 148 years. <i>Nature</i> , 2004, 428, 733-736.	13.7	511
7	An Ocean Dynamical Thermostat. <i>Journal of Climate</i> , 1996, 9, 2190-2196.	1.2	492
8	Volcanic and Solar Forcing of the Tropical Pacific over the Past 1000 Years. <i>Journal of Climate</i> , 2005, 18, 447-456.	1.2	446
9	Twentieth-Century Sea Surface Temperature Trends. <i>Science</i> , 1997, 275, 957-960.	6.0	443
10	The Relationships between Tropical Pacific and Atlantic SST and Northeast Brazil Monthly Precipitation. <i>Journal of Climate</i> , 1998, 11, 551-562.	1.2	305
11	Long-Lead Seasonal Forecasts—Where Do We Stand?. <i>Bulletin of the American Meteorological Society</i> , 1994, 75, 2097-2114.	1.7	233
12	A Pilot Research Moored Array in the Tropical Atlantic (PIRATA). <i>Bulletin of the American Meteorological Society</i> , 1998, 79, 2019-2031.	1.7	188
13	A Study of Self-excited Oscillations of the Tropical Ocean–Atmosphere System. Part II: Nonlinear Cases. <i>Journals of the Atmospheric Sciences</i> , 1991, 48, 1238-1248.	0.6	173
14	Multimodel Ensembling in Seasonal Climate Forecasting at IRI. <i>Bulletin of the American Meteorological Society</i> , 2003, 84, 1783-1796.	1.7	165
15	Categorical Climate Forecasts through Regularization and Optimal Combination of Multiple GCM Ensembles*. <i>Monthly Weather Review</i> , 2002, 130, 1792-1811.	0.5	155
16	Irregularity and Locking to the Seasonal Cycle in an ENSO Prediction Model as Explained by the Quasi-Periodicity Route to Chaos. <i>Journals of the Atmospheric Sciences</i> , 1995, 52, 293-306.	0.6	153
17	Locking of El Niño’s Peak Time to the End of the Calendar Year in the Delayed Oscillator Picture of ENSO. <i>Journal of Climate</i> , 1998, 11, 2191-2199.	1.2	130
18	Improved Combination of Multiple Atmospheric GCM Ensembles for Seasonal Prediction. <i>Monthly Weather Review</i> , 2004, 132, 2732-2744.	0.5	130

#	ARTICLE	IF	CITATIONS
19	Atmospheric Convergence Feedback in a Simple Model for El Niño. <i>Monthly Weather Review</i> , 1986, 114, 1263-1271.	0.5	129
20	A model of the tropical Pacific sea surface temperature climatology. <i>Journal of Geophysical Research</i> , 1988, 93, 1265-1280.	3.3	126
21	Mechanisms of Seasonal ENSO Interaction. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 61-71.	0.6	126
22	Improving the Detection and Tracking of Tropical Cyclones in Atmospheric General Circulation Models. <i>Weather and Forecasting</i> , 2002, 17, 1152-1162.	0.5	123
23	Oceanic Heat Content Variability and El Niño Cycles. <i>Journal of Physical Oceanography</i> , 1989, 19, 475-486.	0.7	108
24	Relative Roles of Elevated Heating and Surface Temperature Gradients in Driving Anomalous Surface Winds over Tropical Oceans. <i>Journals of the Atmospheric Sciences</i> , 2001, 58, 1371-1394.	0.6	98
25	Interdecadal changes in eastern Pacific ITCZ variability and its influence on the Atlantic ITCZ. <i>Geophysical Research Letters</i> , 2000, 27, 3687-3690.	1.5	92
26	A new intermediate coupled model for El Niño simulation and prediction. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	91
27	A Simple Atmospheric Model of Relevance to El Niño. <i>Journals of the Atmospheric Sciences</i> , 1982, 39, 2017-2027.	0.6	74
28	On the 30-60 Day Oscillation and the Prediction of El Niño. <i>Journal of Climate</i> , 1989, 2, 1381-1387.	1.2	72
29	Retrospective El Niño Forecasts Using an Improved Intermediate Coupled Model. <i>Monthly Weather Review</i> , 2005, 133, 2777-2802.	0.5	71
30	Initialization and Predictability of a Coupled ENSO Forecast Model*. <i>Monthly Weather Review</i> , 1997, 125, 773-788.	0.5	64
31	Bias correction of an ocean-atmosphere coupled model. <i>Geophysical Research Letters</i> , 2000, 27, 2585-2588.	1.5	64
32	A statistical assessment of tropical cyclone activity in atmospheric general circulation models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2005, 57, 589-604.	0.8	64
33	An Operational Dynamical Downscaling Prediction System for Nordeste Brazil and the 2002-04 Real-Time Forecast Evaluation. <i>Journal of Climate</i> , 2006, 19, 1990-2007.	1.2	59
34	Last Interglacial and Early Glacial ENSO. <i>Quaternary Research</i> , 2002, 58, 27-31.	1.0	52
35	The impact of sea level data assimilation on the Lamont Model Prediction of the 1997/98 El Niño. <i>Geophysical Research Letters</i> , 1998, 25, 2837-2840.	1.5	50
36	Investigating El Niño-Southern Oscillation and society relationships. <i>Wiley Interdisciplinary Reviews: Climate Change</i> , 2015, 6, 17-34.	3.6	49

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37	A statistical assessment of tropical cyclone activity in atmospheric general circulation models. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2005, 57, 589-604.	0.8	48
38	Controlling Spatiotemporal Chaos in a Realistic El Niño Prediction Model. <i>Physical Review Letters</i> , 1997, 79, 1034-1037.	2.9	42
39	An Empirical Parameterization of Subsurface Entrainment Temperature for Improved SST Anomaly Simulations in an Intermediate Ocean Model. <i>Journal of Climate</i> , 2005, 18, 350-371.	1.2	38
40	ENSO Simulation and Prediction with a Hybrid Coupled Model. <i>Monthly Weather Review</i> , 1997, 125, 2620-2641.	0.5	34
41	Africa needs climate data to fight disease. <i>Nature</i> , 2011, 471, 440-442.	13.7	34
42	Effect of Penetrating Momentum Flux over the Surface Boundary/Mixed Layer in az-Coordinate OGCM of the Tropical Pacific. <i>Journal of Physical Oceanography</i> , 2002, 32, 3616-3637.	0.7	33
43	The impact of NSCAT winds on predicting the 1997/1998 El Niño: A case study with the Lamont-Doherty Earth Observatory model. <i>Journal of Geophysical Research</i> , 1999, 104, 11321-11327.	3.3	27
44	Natural Climate Variability in a Coupled Model. <i>Developments in Atmospheric Science</i> , 1991, 19, 457-469.	0.3	20
45	Subduction of decadal North Pacific thermal anomalies in an ocean GCM. <i>Geophysical Research Letters</i> , 2001, 28, 2449-2452.	1.5	17
46	An Embedding Method for Improving Interannual Variability Simulations in a Hybrid Coupled Model of the Tropical Pacific Ocean-Atmosphere System. <i>Journal of Climate</i> , 2004, 17, 2794-2812.	1.2	17
47	Surface Wind over Tropical Oceans: Diagnosis of the Momentum Balance, and Modeling the Linear Friction Coefficient. <i>Journal of Climate</i> , 2000, 13, 1733-1747.	1.2	16
48	The impacts of the model assimilated wind stress data in the initialization of an intermediate ocean and the ENSO predictability. <i>Geophysical Research Letters</i> , 2001, 28, 3713-3716.	1.5	11
49	Use of data assimilation via linear low-order models for the initialization of El Niño-Southern Oscillation predictions. <i>Journal of Geophysical Research</i> , 2001, 106, 30947-30959.	3.3	11
50	Simulation of Tropical Climate with a Linear Primitive Equation Model. <i>Journal of Climate</i> , 1995, 8, 2497-2520.	1.2	10
51	Local and remote sources of tropical atlantic variability as inferred from the results of a hybrid ocean-atmosphere coupled model. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a.	1.5	9
52	Embedding a SST anomaly model in to a z-coordinate oceanic GCM for producing El Niño oscillation in the tropical Pacific climate system. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	3