

Richard Kleeman

List of Publications by Year in descending order

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53
papers

3,221
citations

136950

32
h-index

189892

50
g-index

53
all docs

53
docs citations

53
times ranked

1621
citing authors

#	ARTICLE	IF	CITATIONS
1	Limits to predictability in a coupled ocean-atmosphere model due to atmospheric noise. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 46, 529.	1.7	28
2	A Nonequilibrium Statistical Model of Spectrally Truncated Burgers's Hopf Dynamics. <i>Communications on Pure and Applied Mathematics</i> , 2014, 67, 1905-1946.	3.1	7
3	Irregularity and decadal variation in ENSO: a simplified model based on Principal Oscillation Patterns. <i>Climate Dynamics</i> , 2014, 43, 3327-3350.	3.8	20
4	Spectral Analysis of Tropical Atmospheric Dynamical Variables Using a Linear Shallow-Water Modal Decomposition. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 2300-2316.	1.7	29
5	Information Theory and Dynamical System Predictability. <i>Entropy</i> , 2011, 13, 612-649.	2.2	53
6	Spectral Analysis of Multidimensional Stochastic Geophysical Models with an Application to Decadal ENSO Variability. <i>Journals of the Atmospheric Sciences</i> , 2011, 68, 13-25.	1.7	14
7	Limits, Variability, and General Behavior of Statistical Predictability of the Midlatitude Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 2008, 65, 263-275.	1.7	21
8	Comparison of Information-Based Measures of Forecast Uncertainty in Ensemble ENSO Prediction. <i>Journal of Climate</i> , 2008, 21, 230-247.	3.2	28
9	Stochastic theories for the irregularity of ENSO. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2008, 366, 2509-2524.	3.4	40
10	Information Flow in Ensemble Weather Predictions. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 1005-1016.	1.7	23
11	Statistical predictability in the atmosphere and other dynamical systems. <i>Physica D: Nonlinear Phenomena</i> , 2007, 230, 65-71.	2.8	13
12	A rigorous formalism of information transfer between dynamical system components. II. Continuous flow. <i>Physica D: Nonlinear Phenomena</i> , 2007, 227, 173-182.	2.8	26
13	A rigorous formalism of information transfer between dynamical system components. I. Discrete mapping. <i>Physica D: Nonlinear Phenomena</i> , 2007, 231, 1-9.	2.8	29
14	ENSO Predictability of a Fully Coupled GCM Model Using Singular Vector Analysis. <i>Journal of Climate</i> , 2006, 19, 3361-3377.	3.2	40
15	Optimal Forcing Patterns for Coupled Models of ENSO. <i>Journal of Climate</i> , 2006, 19, 4683-4699.	3.2	36
16	Reliability of ENSO Dynamical Predictions. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 1770-1791.	1.7	57
17	Retrospective El Niño±o Forecasts Using an Improved Intermediate Coupled Model. <i>Monthly Weather Review</i> , 2005, 133, 2777-2802.	1.4	71
18	Information Theory and Predictability for Low-Frequency Variability. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 65-87.	1.7	66

#	ARTICLE	IF	CITATIONS
19	Predictability in a Model of Geophysical Turbulence. <i>Journals of the Atmospheric Sciences</i> , 2005, 62, 2864-2879.	1.7	33
20	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.	3.2	38
21	A Comparison of the Influence of Additive and Multiplicative Stochastic Forcing on a Coupled Model of ENSO. <i>Journal of Climate</i> , 2005, 18, 5066-5085.	3.2	56
22	Information Transfer between Dynamical System Components. <i>Physical Review Letters</i> , 2005, 95, 244101.	7.8	113
23	An off-line, numerically efficient initialization scheme in an oceanic general circulation model for El Niño Southern Oscillation prediction. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	10
24	A simple method for estimating variations in the predictability of ENSO. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	5
25	Measuring the potential utility of seasonal climate predictions. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	35
26	SST Assimilation Experiments in a Tropical Pacific Ocean Model. <i>Journal of Physical Oceanography</i> , 2004, 34, 623-642.	1.7	38
27	The use of ocean reanalysis products to initialize ENSO predictions. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	13
28	A new intermediate coupled model for El Niño simulation and prediction. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	91
29	The Calculation of Climatically Relevant Singular Vectors in the Presence of Weather Noise as Applied to the ENSO Problem. <i>Journals of the Atmospheric Sciences</i> , 2003, 60, 2856-2868.	1.7	51
30	Interannual and Decadal Variability in an Intermediate Coupled Model of the Pacific Region*. <i>Journal of Climate</i> , 2003, 16, 383-405.	3.2	46
31	The Role of Air-Sea Interaction in Controlling the Optimal Perturbations of Low-Frequency Tropical Coupled Ocean-Atmosphere Modes. <i>Journal of Climate</i> , 2003, 16, 951-968.	3.2	33
32	Nonlinear partial differential equations and applications: Quantifying predictability in a model with statistical features of the atmosphere. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 15291-15296.	7.1	37
33	The Relationship between Oscillating Subtropical Wind Stress and Equatorial Temperature*. <i>Journal of Physical Oceanography</i> , 2002, 32, 1507-1521.	1.7	32
34	The BMRC Coupled General Circulation Model ENSO Forecast System. <i>Monthly Weather Review</i> , 2002, 130, 975-991.	1.4	48
35	Measuring Dynamical Prediction Utility Using Relative Entropy. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 2057-2072.	1.7	245
36	A new strategy for assimilating SST data for ENSO predictions. <i>Geophysical Research Letters</i> , 2002, 29, 22-1-22-4.	4.0	10

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37	Annual cycle of equatorial zonal currents in the Pacific. <i>Journal of Geophysical Research</i> , 2002, 107, 8-1.	3.3	64
38	The Differences between the Optimal Perturbations of Coupled Models of ENSO. <i>Journal of Climate</i> , 2001, 14, 138-163.	3.2	36
39	Rectification of the Madden-Julian Oscillation into the ENSO Cycle. <i>Journal of Climate</i> , 2000, 13, 3560-3575.	3.2	273
40	Operational Experience with Climate Model Predictions. <i>Atmospheric and Oceanographic Sciences Library</i> , 2000, , 109-119.	0.1	0
41	Stochastic Forcing of ENSO by the Intraseasonal Oscillation. <i>Journal of Climate</i> , 1999, 12, 1199-1220.	3.2	254
42	A New Method for Determining the Reliability of Dynamical ENSO Predictions. <i>Monthly Weather Review</i> , 1999, 127, 694-705.	1.4	44
43	A mechanism for generating ENSO decadal variability. <i>Geophysical Research Letters</i> , 1999, 26, 1743-1746.	4.0	296
44	The Nonnormal Nature of El Niño and Intraseasonal Variability. <i>Journal of Climate</i> , 1999, 12, 2965-2982.	3.2	58
45	A Theory for the Limitation of ENSO Predictability Due to Stochastic Atmospheric Transients. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 753-767.	1.7	197
46	A recent change in the mean state of the Pacific basin climate: Observational evidence and atmospheric and oceanic responses. <i>Journal of Geophysical Research</i> , 1996, 101, 20483-20499.	3.3	28
47	The dynamics of error growth and predictability in a coupled model of ENSO. <i>Quarterly Journal of the Royal Meteorological Society</i> , 1996, 122, 1405-1446.	2.7	172
48	Assimilation of Subsurface Thermal Data into a Simple Ocean Model for the Initialization of an Intermediate Tropical Coupled Ocean-Atmosphere Forecast Model. <i>Monthly Weather Review</i> , 1995, 123, 3103-3114.	1.4	75
49	A Simple Atmospheric Model of Surface Heat Flux for Use in Ocean Modeling Studies. <i>Journal of Physical Oceanography</i> , 1995, 25, 92-105.	1.7	55
50	Limits to predictability in a coupled ocean-atmosphere model due to atmospheric noise. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 1994, 46, 529-540.	1.7	21
51	On the Dependence of Hindcast Skill on Ocean Thermodynamics in a Coupled Ocean-Atmosphere Model. <i>Journal of Climate</i> , 1993, 6, 2012-2033.	3.2	73
52	A Modeling Study of the Effect of the Andes on the Summertime Circulation of Tropical South America. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 3344-3362.	1.7	40
53	Modulation of ENSO Variability on Decadal and Longer Timescales. , 0, , 411-440.		0