Adam H Sobel

List of Publications by Year
in descending order

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208	14,959	18887	24511
papers	citations	64 h-index	114 g-index

213	213	213	10312
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large-scale waves interacting with deep convection in idealized mesoscale model simulations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 55, 45.	0.8	20
2	Formation of tropical storms in an atmospheric general circulation model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 56, 56.	0.8	15
3	Tropical cyclones in the GISS ModelE2. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 68, 31494.	0.8	11
4	A Unified Moisture Mode Theory for the Maddenâ€“Julian Oscillation and the Boreal Summer Intraseasonal Oscillation. Journal of Climate, 2022, 35, 1267-1291.	1.2	14
5	Assessing the Vertical Velocity of the East Pacific ITCZ. Geophysical Research Letters, 2022, 49, .	1.5	3
6	Evolution of Tropical Cyclone Properties Across the Development Cycle of the GISSâ€E3 Global Climate Model. Journal of Advances in Modeling Earth Systems, 2022, 14, .	1.3	2
7	On the Allâ€India Rainfall Index and Subâ€India Rainfall Heterogeneity. Geophysical Research Letters, 2022, 49, .	1.5	1
8	A Multivariate Index for Tropical Intraseasonal Oscillations Based on the Seasonallyâ€Varying Modal Structures. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	5
9	The Influence of Intraseasonal Oscillations on Humid Heat in the Persian Gulf and South Asia. Journal of Climate, 2022, 35, 4309-4329.	1.2	3
10	New York State Hurricane Hazard: History and Future Projections. Journal of Applied Meteorology and Climatology, 2022, 61, 613-629.	0.6	3
11	An Investigation of Tropical Cyclone Development Pathways as an Indicator of Extratropical Transition. Journal of the Meteorological Society of Japan, 2022, 100, 707-724.	0.7	3
12	Introduction: Critical and historical perspectives on usable climate science. Climatic Change, 2022, 172, .	1.7	1
13	A Filtered Model for the Tropical Intraseasonal Moisture Mode. Geophysical Research Letters, 2022, 49, .	1.5	1
14	The Moisture Mode Framework of the Maddenâ€“Julian Oscillation. World Scientific Series on Asia-Pacific Weather and Climate, 2021, , 273-287.	0.2	1
15	Propagating Mechanisms of the 2016 Summer BSISO Event: Airâ€Sea Coupling, Vorticity, and Moisture. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033284.	1.2	5
16	Variability in QBO Temperature Anomalies on Annual and Decadal Time Scales. Journal of Climate, 2021, 34, 589-605.	1.2	8
17	Nearâ€Inertial Wave Propagation in the Wake of Super Typhoon Mangkhut: Measurements From a Profiling Float Array. Journal of Geophysical Research: Oceans, 2021, 126, e2020JC016749.	1.0	8
18	The MJO-QBO Relationship in a GCM with Stratospheric Nudging. Journal of Climate, 2021, , 1-69.	1.2	17

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19	Large-Scale State and Evolution of the Atmosphere and Ocean during PISTON 2018. Journal of Climate, 2021, 34, 5017-5035.	1.2	7
20	Making the transition to a green economy: What is our responsibility as citizens?. Bulletin of the Atomic Scientists, 2021, 77, 67-69.	0.2	1
21	Usable climate science is adaptation science. Climatic Change, 2021, 166, 1.	1.7	17
22	The influence of the quasi-biennial oscillation on the Maddenâ€“Julian oscillation. Nature Reviews Earth & Environment, 2021, 2, 477-489.	12.2	50
23	Understanding differences in tropical cyclone activity over the Arabian Sea and Bay of Bengal. Mausam, 2021, 72, 187-198.	0.1	6
24	Tropical Cyclone Frequency. Earth's Future, 2021, 9, .	2.4	46
25	Azimuthally Averaged Wind and Thermodynamic Structures of Tropical Cyclones in Global Climate Models and Their Sensitivity to Horizontal Resolution. Journal of Climate, 2020, 33, 1575-1595.	1.2	20
26	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. Journal of Climate, 2020, 33, 4463-4487.	1.2	42
27	The Impact of the Stratosphere on the MJO in a Forecast Model. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032106.	1.2	13
28	Application of the Cyclone Phase Space to Extratropical Transition in a Global Climate Model. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001878.	1.3	13
29	Dry and moist dynamics shape regional patterns of extreme precipitation sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8757-8763.	3.3	37
30	Statisticalâ€“Dynamical Downscaling Projections of Tropical Cyclone Activity in a Warming Climate: Two Diverging Genesis Scenarios. Journal of Climate, 2020, 33, 4815-4834.	1.2	69
31	Subseasonal Predictions of Tropical Cyclone Occurrence and ACE in the S2S Dataset. Weather and Forecasting, 2020, 35, 921-938.	0.5	22
32	Localness in Climate Change. Comparative Studies of South Asia, Africa and the Middle East, 2020, 40, 7-16.	0.1	15
33	A Statistical Model to Predict the Extratropical Transition of Tropical Cyclones. Weather and Forecasting, 2020, 35, 451-466.	0.5	4
34	Aerosol versus Greenhouse Gas Effects on Tropical Cyclone Potential Intensity and the Hydrologic Cycle. Journal of Climate, 2019, 32, 5511-5527.	1.2	17
35	Moist Static Energy Budget Analysis of Tropical Cyclone Intensification in High-Resolution Climate Models. Journal of Climate, 2019, 32, 6071-6095.	1.2	30
36	A Global Climatology of Extratropical Transition. Part II: Statistical Performance of the Cyclone Phase Space. Journal of Climate, 2019, 32, 3583-3597.	1.2	18

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37	Tropical Cyclone Hazard to Mumbai in the Recent Historical Climate. Monthly Weather Review, 2019, 147, 2355-2366.	0.5	18
38	Process-Oriented Evaluation of Climate and Weather Forecasting Models. Bulletin of the American Meteorological Society, 2019, 100, 1665-1686.	1.7	36
39	A Global Climatology of Extratropical Transition. Part I: Characteristics across Basins. Journal of Climate, 2019, 32, 3557-3582.	1.2	42
40	A Moist Entropy Budget View of the South Asian Summer Monsoon Onset. Geophysical Research Letters, 2019, 46, 4476-4484.	1.5	9
41	The Impact of the QBO on MJO Convection in Cloud-Resolving Simulations. Journals of the Atmospheric Sciences, 2019, 76, 669-688.	0.6	48
42	Model Hierarchies for Understanding Atmospheric Circulation. Reviews of Geophysics, 2019, 57, 250-280.	9.0	58
43	Impact of the QBO on Prediction and Predictability of the MJO Convection. Journal of Geophysical Research D: Atmospheres, 2019, 124, 11766-11782.	1.2	25
44	Tropical Cyclone Prediction on Subseasonal Time-Scales. Tropical Cyclone Research and Review, 2019, 8, 150-165.	1.0	26
45	Prediction and predictability of tropical intraseasonal convection: seasonal dependence and the Maritime Continent prediction barrier. Climate Dynamics, 2019, 52, 6015-6031.	1.7	54
46	Understanding the Dynamics of Future Changes in Extreme Precipitation Intensity. Geophysical Research Letters, 2018, 45, 2870-2878.	1.5	54
47	An Environmentally Forced Tropical Cyclone Hazard Model. Journal of Advances in Modeling Earth Systems, 2018, 10, 223-241.	1.3	93
48	Process-Oriented Diagnosis of Tropical Cyclones in High-Resolution GCMs. Journal of Climate, 2018, 31, 1685-1702.	1.2	28
49	Dynamics-oriented diagnostics for the Madden-Julian Oscillation. Journal of Climate, 2018, , .	1.2	12
50	Storylines: an alternative approach to representing uncertainty in physical aspects of climate change. Climatic Change, 2018, 151, 555-571.	1.7	317
51	Dynamic amplification of extreme precipitation sensitivity. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9467-9472.	3.3	85
52	Global energetics and local physics as drivers of past, present and future monsoons. Nature Geoscience, 2018, 11, 392-400.	5.4	100
53	Subseasonal Tropical Cyclone Genesis Prediction and MJO in the S2S Dataset. Weather and Forecasting, 2018, 33, 967-988.	0.5	62
54	Extreme Events. , 2018, , 3-12.		4

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55	Propagation Characteristics of BSISO Indices. Geophysical Research Letters, 2018, 45, 9934-9943.	1.5	57
56	Summary of workshop on sub-seasonal to seasonal predictability of extreme weather and climate. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	12
57	What Is the Polar Vortex and How Does It Influence Weather?. Bulletin of the American Meteorological Society, 2017, 98, 37-44.	1.7	162
58	Role of the Convection Scheme in Modeling Initiation and Intensification of Tropical Depressions over the North Atlantic. Monthly Weather Review, 2017, 145, 1495-1509.	0.5	15
59	Seamless precipitation prediction skill comparison between two global models. Quarterly Journal of the Royal Meteorological Society, 2017, 143, 374-383.	1.0	39
60	Western North Pacific Tropical Cyclone Model Tracks in Present and Future Climates. Journal of Geophysical Research D: Atmospheres, 2017, 122, 9721-9744.	1.2	54
61	Seasonal Noise Versus Subseasonal Signal: Forecasts of California Precipitation During the Unusual Winters of 2015â€“2016 and 2016â€“2017. Geophysical Research Letters, 2017, 44, 9513-9520.	1.5	33
62	An Extreme Value Model for U.S. Hail Size. Monthly Weather Review, 2017, 145, 4501-4519.	0.5	29
63	Factors Controlling Rain on Small Tropical Islands: Diurnal Cycle, Large-Scale Wind Speed, and Topography. Journals of the Atmospheric Sciences, 2017, 74, 3515-3532.	0.6	67
64	Coupling with ocean mixed layer leads to intraseasonal variability in tropical deep convection: Evidence from cloudâ€resolving simulations. Journal of Advances in Modeling Earth Systems, 2017, 9, 616-626.	1.3	1
65	Changes in the structure and propagation of the <scp>M</scp>JO with increasing <scp>C</scp>O₂. Journal of Advances in Modeling Earth Systems, 2017, 9, 1251-1268.	1.3	44
66	Characterization of Moist Processes Associated With Changes in the Propagation of the MJO With Increasing CO₂. Journal of Advances in Modeling Earth Systems, 2017, 9, 2946-2967.	1.3	32
67	Role of Radiativeâ€“Convective Feedbacks in Spontaneous Tropical Cyclogenesis in Idealized Numerical Simulations. Journals of the Atmospheric Sciences, 2016, 73, 2633-2642.	0.6	85
68	Tropical cyclones and climate change. Wiley Interdisciplinary Reviews: Climate Change, 2016, 7, 65-89.	3.6	471
69	Intercomparison of methods of coupling between convection and largeâ€scale circulation: 2. Comparison over nonuniform surface conditions. Journal of Advances in Modeling Earth Systems, 2016, 8, 387-405.	1.3	20
70	Modeling the <scp>MJO</scp> in a cloudâ€resolving model with parameterized largeâ€scale dynamics: Vertical structure, radiation, and horizontal advection of dry air. Journal of Advances in Modeling Earth Systems, 2016, 8, 121-139.	1.3	41
71	Autoregressive Modeling for Tropical Cyclone Intensity Climatology. Journal of Climate, 2016, 29, 7815-7830.	1.2	25
72	Northern hemisphere tropical cyclones during the quasi-El NiÃ±o of late 2014. Natural Hazards, 2016, 83, 1717-1729.	1.6	12

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73	Human influence on tropical cyclone intensity. Science, 2016, 353, 242-246.	6.0	286
74	Potentially Extreme Population Displacement and Concentration in the Tropics Under Non-Extreme Warming. Scientific Reports, 2016, 6, 25697.	1.6	22
75	Forcings and feedbacks on convection in the 2010 Pakistan flood: Modeling extreme precipitation with interactive largeâ€scale ascent. Journal of Advances in Modeling Earth Systems, 2016, 8, 1055-1072.	1.3	25
76	Modeling the Interaction between Quasigeostrophic Vertical Motion and Convection in a Single Column. Journals of the Atmospheric Sciences, 2016, 73, 1101-1117.	0.6	32
77	Rapid intensification and the bimodal distribution of tropical cyclone intensity. Nature Communications, 2016, 7, 10625.	5.8	95
78	Response of Atmospheric Convection to Vertical Wind Shear: Cloud-System-Resolving Simulations with Parameterized Large-Scale Circulation. Part II: Effect of Interactive Radiation. Journals of the Atmospheric Sciences, 2016, 73, 199-209.	0.6	11
79	Understanding the Drivers of Variability in Severe Convection: Bringing Together the Scientific and Insurance Communities. Bulletin of the American Meteorological Society, 2016, 97, ES221-ES223.	1.7	5
80	Intercomparison of methods of coupling between convection and largeâ€scale circulation: 1. Comparison over uniform surface conditions. Journal of Advances in Modeling Earth Systems, 2015, 7, 1576-1601.	1.3	46
81	Fog and rain in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 11473-11477.	3.3	44
82	Intraseasonal Variability and Seasonal March of the Moist Static Energy Budget over the Eastern Maritime Continent during CINDY2011/DYNAMO. Journal of the Meteorological Society of Japan, 2015, 93A, 81-100.	0.7	22
83	Simulations of cloudâ€radiation interaction using largeâ€scale forcing derived from the CINDY/DYNAMO northern sounding array. Journal of Advances in Modeling Earth Systems, 2015, 7, 1472-1498.	1.3	19
84	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 997-1017.	1.7	158
85	Hurricanes and Climate: The U.S. CLIVAR Working Group on Hurricanes. Bulletin of the American Meteorological Society, 2015, 96, 1440.	1.7	2
86	Probabilistic Multiple Linear Regression Modeling for Tropical Cyclone Intensity. Monthly Weather Review, 2015, 143, 933-954.	0.5	45
87	An empirical model relating U.S. monthly hail occurrence to largeâ€scale meteorological environment. Journal of Advances in Modeling Earth Systems, 2015, 7, 226-243.	1.3	96
88	Projected Twenty-First-Century Changes in the Length of the Tropical Cyclone Season. Journal of Climate, 2015, 28, 6181-6192.	1.2	26
89	Regional Simulation of the October and November MJO Events Observed during the CINDY/DYNAMO Field Campaign at Gray Zone Resolution. Journal of Climate, 2015, 28, 2097-2119.	1.2	87
90	Influence of the El NiÃ±o/Southern Oscillation on tornado and hail frequency in the United States. Nature Geoscience, 2015, 8, 278-283.	5.4	129

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91	Clouds, circulation and climate sensitivity. Nature Geoscience, 2015, 8, 261-268.	5.4	647
92	Responses of Tropical Deep Convection to the QBO: Cloud-Resolving Simulations. Journals of the Atmospheric Sciences, 2015, 72, 3625-3638.	0.6	65
93	Effect of Surface Fluxes versus Radiative Heating on Tropical Deep Convection. Journals of the Atmospheric Sciences, 2015, 72, 3378-3388.	0.6	15
94	Propagating versus Nonpropagating Maddenâ€“Julian Oscillation Events. Journal of Climate, 2014, 27, 111-125.	1.2	194
95	Radiativeâ€“Convective Equilibrium over a Land Surface. Journal of Climate, 2014, 27, 8611-8629.	1.2	14
96	Testing the Performance of Tropical Cyclone Genesis Indices in Future Climates Using the HiRAM Model. Journal of Climate, 2014, 27, 9171-9196.	1.2	109
97	Seamless Precipitation Prediction Skill in the Tropics and Extratropics from a Global Model. Monthly Weather Review, 2014, 142, 1556-1569.	0.5	65
98	Gross Moist Stability and MJO Simulation Skill in Three Full-Physics GCMs. Journals of the Atmospheric Sciences, 2014, 71, 3327-3349.	0.6	84
99	An Empirical Relation between U.S. Tornado Activity and Monthly Environmental Parameters. Journal of Climate, 2014, 27, 2983-2999.	1.2	60
100	Characteristics of tropical cyclones in highâ€resolution models in the present climate. Journal of Advances in Modeling Earth Systems, 2014, 6, 1154-1172.	1.3	111
101	Impact of the Tropopause Temperature on the Intensity of Tropical Cyclones: An Idealized Study Using a Mesoscale Model. Journals of the Atmospheric Sciences, 2014, 71, 4333-4348.	0.6	59
102	Moist Static Energy Budget of the MJO during DYNAMO. Journals of the Atmospheric Sciences, 2014, 71, 4276-4291.	0.6	206
103	Response of Atmospheric Convection to Vertical Wind Shear: Cloud-System-Resolving Simulations with Parameterized Large-Scale Circulation. Part I: Specified Radiative Cooling. Journals of the Atmospheric Sciences, 2014, 71, 2976-2993.	0.6	46
104	The Effect of Greenhouse Gasâ€“Induced Changes in SST on the Annual Cycle of Zonal Mean Tropical Precipitation. Journal of Climate, 2014, 27, 4544-4565.	1.2	43
105	Response of tropical sea surface temperature, precipitation, and tropical cycloneâ€related variables to changes in global and local forcing. Journal of Advances in Modeling Earth Systems, 2013, 5, 447-458.	1.3	77
106	An Idealized Prototype for Large-Scale Landâ€“Atmosphere Coupling. Journal of Climate, 2013, 26, 2379-2389.	1.2	26
107	Understanding Hadley Cell Expansion versus Contraction: Insights from Simplified Models and Implications for Recent Observations. Journal of Climate, 2013, 26, 4304-4321.	1.2	81
108	Moisture Modes and the Eastward Propagation of the MJO. Journals of the Atmospheric Sciences, 2013, 70, 187-192.	0.6	307

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109	Tropical Intraseasonal Variability in Version 3 of the GFDL Atmosphere Model. Journal of Climate, 2013, 26, 426-449.	1.2	53
110	Using Weather Data and Climate Model Output in Economic Analyses of Climate Change. Review of Environmental Economics and Policy, 2013, 7, 181-198.	3.1	380
111	On the impact angle of Hurricane Sandy's New Jersey landfall. Geophysical Research Letters, 2013, 40, 2312-2315.	1.5	79
112	Model projections of atmospheric steering of Sandy-like superstorms. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 15211-15215.	3.3	30
113	Cloudâ€resolving simulation of TOGAâ€COARE using parameterized largeâ€scale dynamics. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6290-6301.	1.2	48
114	Kinetic Energy Budget for the Maddenâ€“Julian Oscillation in a Multiscale Framework. Journal of Climate, 2012, 25, 5386-5403.	1.2	24
115	Projected Changes in the Seasonal Cycle of Surface Temperature. Journal of Climate, 2012, 25, 6359-6374.	1.2	109
116	An Idealized Semi-Empirical Framework for Modeling the Maddenâ€“Julian Oscillation. Journals of the Atmospheric Sciences, 2012, 69, 1691-1705.	0.6	233
117	The MJOâ€Kelvin wave transition. Geophysical Research Letters, 2012, 39, .	1.5	31
118	A Tropospheric Emission Spectrometer HDO/H₂O retrieval simulator for climate models. Atmospheric Chemistry and Physics, 2012, 12, 10485-10504.	1.9	9
119	The Tropical Subseasonal Variability Simulated in the NASA GISS General Circulation Model. Journal of Climate, 2012, 25, 4641-4659.	1.2	148
120	Association of U.S. tornado occurrence with monthly environmental parameters. Geophysical Research Letters, 2012, 39, .	1.5	82
121	Impact of imposed drying on deep convection in a cloudâ€resolving model. Journal of Geophysical Research, 2012, 117, .	3.3	33
122	Implementation of the Quasiâ€equilibrium Tropical Circulation Model 2 (QTCM2): Global simulations and convection sensitivity to free tropospheric moisture. Journal of Advances in Modeling Earth Systems, 2012, 4, .	1.3	4
123	Comparison of a singleâ€column model in weak temperature gradient mode to its parent AGCM. Quarterly Journal of the Royal Meteorological Society, 2012, 138, 1025-1034.	1.0	5
124	Projected changes in the physical climate of the Gulf Coast and Caribbean. Climatic Change, 2012, 112, 819-845.	1.7	81
125	Very high resolution rainfall patterns measured by TRMM precipitation radar: seasonal and diurnal cycles. Climate Dynamics, 2012, 39, 239-258.	1.7	131
126	Rain on small tropical islands. Journal of Geophysical Research, 2011, 116, .	3.3	62

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127	Response of convection to relative sea surface temperature: Cloud-resolving simulations in two and three dimensions. Journal of Geophysical Research, 2011, 116, .	3.3	66
128	A mechanism denial study on the Madden-Julian Oscillation. Journal of Advances in Modeling Earth Systems, 2011, 3, .	1.3	41
129	A Poisson Regression Index for Tropical Cyclone Genesis and the Role of Large-Scale Vorticity in Genesis. Journal of Climate, 2011, 24, 2335-2357.	1.2	195
130	Effects of Relative and Absolute Sea Surface Temperature on Tropical Cyclone Potential Intensity Using a Single-Column Model. Journal of Climate, 2011, 24, 183-193.	1.2	82
131	Projected Future Seasonal Changes in Tropical Summer Climate. Journal of Climate, 2011, 24, 473-487.	1.2	74
132	A Systematic Relationship between Intraseasonal Variability and Mean State Bias in AGCM Simulations. Journal of Climate, 2011, 24, 5506-5520.	1.2	151
133	An observational study of multiple tropical cyclone events in the western north Pacific. Tellus, Series A: Dynamic Meteorology and Oceanography, 2010, 62, 256-265.	0.8	20
134	Raised bar for rain. Nature Geoscience, 2010, 3, 821-822.	5.4	6
135	Revisiting the Influence of the Quasi-Biennial Oscillation on Tropical Cyclone Activity. Journal of Climate, 2010, 23, 5810-5825.	1.2	78
136	Diagnosis of Zonal Mean Relative Humidity Changes in a Warmer Climate. Journal of Climate, 2010, 23, 4556-4569.	1.2	46
137	Multiple Equilibria of the Hadley Circulation in an Intermediate-Complexity Axisymmetric Model. Journal of Climate, 2010, 23, 1760-1778.	1.2	37
138	Surface Fluxes and Tropical Intraseasonal Variability: a Reassessment. Journal of Advances in Modeling Earth Systems, 2010, 2, .	1.3	122
139	Intraseasonal Variability in an Aquaplanet General Circulation Model. Journal of Advances in Modeling Earth Systems, 2010, 2, .	1.3	101
140	Multiple equilibria in a cloudâ€resolving model using the weak temperature gradient approximation. Journal of Geophysical Research, 2010, 115, .	3.3	67
141	The Influence of Natural Climate Variability on Tropical Cyclones, and Seasonal Forecasts of Tropical Cyclone Activity. World Scientific Series on Asia-Pacific Weather and Climate, 2010, , 325-360.	0.2	55
142	Foreword: R. Alan Plumbâ€"A brief biographical sketch and personal tribute. Geophysical Monograph Series, 2010, , vii-xi.	0.1	0
143	The Effect of Imposed Drying on Parameterized Deep Convection. Journals of the Atmospheric Sciences, 2009, 66, 2085-2096.	0.6	24
144	The Role of the Sahara Low in Summertime Sahel Rainfall Variability and Change in the CMIP3 Models. Journal of Climate, 2009, 22, 5755-5771.	1.2	94

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145	Diagnosis of the MJO Modulation of Tropical Cyclogenesis Using an Empirical Index. Journals of the Atmospheric Sciences, 2009, 66, 3061-3074.	0.6	310
146	Influence of condensate evaporation on water vapor and its stable isotopes in a GCM. Geophysical Research Letters, 2009, 36, .	1.5	40
147	Delayed Sahel rainfall and global seasonal cycle in a warmer climate. Geophysical Research Letters, 2009, 36, .	1.5	135
148	Singleâ€layer axisymmetric model for a Hadley circulation with parameterized eddy momentum forcing. Journal of Advances in Modeling Earth Systems, 2009, 1, .	1.3	11
149	The Mechanics of Gross Moist Stability. Journal of Advances in Modeling Earth Systems, 2009, 1, .	1.3	228
150	A global perspective on African climate. Climatic Change, 2008, 90, 359-383.	1.7	247
151	The role of surface heat fluxes in tropical intraseasonal oscillations. Nature Geoscience, 2008, 1, 653-657.	5.4	120
152	Instability of the axisymmetric monsoon flow and intraseasonal oscillation. Journal of Geophysical Research, 2008, 113, .	3.3	45
153	SST Forcings and Sahel Rainfall Variability in Simulations of the Twentieth and Twenty-First Centuries. Journal of Climate, 2008, 21, 3471-3486.	1.2	170
154	Oceanâ€“Atmosphere Coupling in the Monsoon Intraseasonal Oscillation: A Simple Model Study. Journal of Climate, 2008, 21, 5254-5270.	1.2	35
155	On the Wavelength of the Rossby Waves Radiated by Tropical Cyclones. Journals of the Atmospheric Sciences, 2008, 65, 644-654.	0.6	23
156	The Mesoscale Characteristics of Tropical Oceanic Precipitation during Kelvin and Mixed Rossbyâ€“Gravity Wave Events. Monthly Weather Review, 2008, 136, 3446-3464.	0.5	16
157	Poleward-Propagating Intraseasonal Monsoon Disturbances in an Intermediate-Complexity Axisymmetric Model. Journals of the Atmospheric Sciences, 2008, 65, 470-489.	0.6	27
158	Chapter 8 Simple Models of Ensemble-Averaged Tropical Precipitation and Surface Wind, Given the Sea Surface Temperature. , 2008, , 219-251.		11
159	Idealized Hot Spot Experiments with a General Circulation Model. Journal of Climate, 2007, 20, 908-925.	1.2	11
160	Use of a Genesis Potential Index to Diagnose ENSO Effects on Tropical Cyclone Genesis. Journal of Climate, 2007, 20, 4819-4834.	1.2	627
161	Workshop on Tropical Cyclones and Climate. Bulletin of the American Meteorological Society, 2007, 88, 389-391.	1.7	4
162	Relationship between the potential and actual intensities of tropical cyclones on interannual time scales. Geophysical Research Letters, 2007, 34, .	1.5	59

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163	Sahel climate change: Workshop on Sahel climate change, Columbia University, New York, 19-21 March 2007. Eos, 2007, 88, 295-295.	0.1	1
164	Multiple equilibria in a singleâ€column model of the tropical atmosphere. Geophysical Research Letters, 2007, 34, .	1.5	63
165	Tropical cyclone genesis potential index in climate models. Tellus, Series A: Dynamic Meteorology and Oceanography, 2007, 59, 428-443.	0.8	168
166	Regional modeling of decadal rainfall variability over the Sahel. Climate Dynamics, 2007, 29, 89-99.	1.7	24
167	Tropical cyclone triggering of sediment discharge in Taiwan. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	41
168	Observed radar reflectivity in convectively coupled Kelvin and mixed Rossby-gravity waves. Geophysical Research Letters, 2006, 33, n/a-n/a.	1.5	9
169	AGCM Precipitation Biases in the Tropical Atlantic. Journal of Climate, 2006, 19, 935-958.	1.2	90
170	The Big Brother Experiment and seasonal predictability in the NCEP regional spectral model. Climate Dynamics, 2006, 27, 69-82.	1.7	10
171	Asymptotic solutions of the axisymmetric moist Hadley circulation in a model with two vertical modes. Theoretical and Computational Fluid Dynamics, 2006, 20, 443-467.	0.9	7
172	Nonlinear shallow-water solutions using the weak temperature gradient approximation. Theoretical and Computational Fluid Dynamics, 2006, 20, 469-484.	0.9	2
173	The boundary layer contribution to intertropical convergence zones in the quasi-equilibrium tropical circulation model framework. Theoretical and Computational Fluid Dynamics, 2006, 20, 323-350.	0.9	77
174	Global Circulation of the Atmosphere (2004). Bulletin of the American Meteorological Society, 2006, 87, 807-810.	1.7	2
175	Diagnosis of Subtropical Humidity Dynamics Using Tracers of Last Saturation. Journals of the Atmospheric Sciences, 2005, 62, 3353-3367.	0.6	97
176	The Eastern Pacific ITCZ during the Boreal Spring. Journals of the Atmospheric Sciences, 2005, 62, 1157-1174.	0.6	44
177	Moist Dynamics and Orographic Precipitation in Northern and Central California during the New Yearâ€™s Flood of 1997. Monthly Weather Review, 2005, 133, 1594-1612.	0.5	52
178	The Water Cycle across Scales. Bulletin of the American Meteorological Society, 2005, 86, 1743-1746.	1.7	1
179	Influence of Western North Pacific Tropical Cyclones on Their Large-Scale Environment. Journals of the Atmospheric Sciences, 2005, 62, 3396-3407.	0.6	65
180	Western North Pacific Tropical Cyclone Intensity and ENSO. Journal of Climate, 2005, 18, 2996-3006.	1.2	582

#	Article	IF	Citations
181	Surface Fluxes and Ocean Coupling in the Tropical Intraseasonal Oscillation. Journal of Climate, 2004, 17, 4368-4386.	1.2	176
182	Formation of tropical storms in an atmospheric general circulation model. Tellus, Series A: Dynamic Meteorology and Oceanography, 2004, 56, 56-67.	0.8	23
183	Implementing the Weak Temperature Gradient Approximation with Full Vertical Structure. Monthly Weather Review, 2004, 132, 662-669.	0.5	14
184	Large-Scale Meteorology and Deep Convection during TRMM KWAJEX*. Monthly Weather Review, 2004, 132, 422-444.	0.5	120
185	Large-scale waves interacting with deep convection in idealized mesoscale model simulations. Tellus, Series A: Dynamic Meteorology and Oceanography, 2003, 55, 45-60.	0.8	16
186	A role for ocean biota in tropical intraseasonal atmospheric variability. Geophysical Research Letters, 2003, 30, .	1.5	15
187	Correction to â€œA role for ocean biota in tropical intraseasonal atmospheric variabilityâ€• Geophysical Research Letters, 2003, 30, .	1.5	1
188	A Simple Time-Dependent Model of SST Hot Spots. Journal of Climate, 2003, 16, 3978-3992.	1.2	79
189	The Gill Model and the Weak Temperature Gradient Approximation. Journals of the Atmospheric Sciences, 2003, 60, 451-460.	0.6	55
190	On the Coexistence of an Evaporation Minimum and Precipitation Maximum in the Warm Pool. Journal of Climate, 2003, 16, 1003-1009.	1.2	19
191	Water vapor as an active scalar in tropical atmospheric dynamics. Chaos, 2002, 12, 451-459.	1.0	19
192	The Hadley Circulation and the Weak Temperature Gradient Approximation. Journals of the Atmospheric Sciences, 2002, 59, 1744-1752.	0.6	31
193	Tropical Tropospheric Temperature Variations Caused by ENSO and Their Influence on the Remote Tropical Climate*. Journal of Climate, 2002, 15, 2616-2631.	1.2	396
194	A Simple Model of a Convectively Coupled Walker Circulation Using the Weak Temperature Gradient Approximation. Journal of Climate, 2002, 15, 2907-2920.	1.2	121
195	The ENSO Signal in Tropical Tropospheric Temperature. Journal of Climate, 2002, 15, 2702-2706.	1.2	151
196	The Weak Temperature Gradient Approximation and Balanced Tropical Moisture Waves*. Journals of the Atmospheric Sciences, 2001, 58, 3650-3665.	0.6	504
197	Direct Diagnoses of Stratosphereâ€“Troposphere Exchange. Journals of the Atmospheric Sciences, 2000, 57, 3-16.	0.6	67
198	On the Dynamics of Easterly Waves, Monsoon Depressions, and Tropical Depression Type Disturbances. Journal of the Meteorological Society of Japan, 2000, 78, 167-173.	0.7	12

#	Article	IF	Citations
199	Cross-channel advectiveâ€“diffusive transport by a monochromatic traveling wave. Physics of Fluids, 2000, 12, 1377-1381.	1.6	0
200	Modeling Tropical Precipitation in a Single Column. Journal of Climate, 2000, 13, 4378-4392.	1.2	311
201	Effect of ENSO and the MJO on western North Pacific tropical cyclones. Geophysical Research Letters, 2000, 27, 1739-1742.	1.5	126
202	Quantitative Diagnostics of Mixing in a Shallow Water Model of the Stratosphere. Journals of the Atmospheric Sciences, 1999, 56, 2811-2829.	0.6	16
203	Diffusion versus Nonlocal Models of Stratospheric Mixing, in Theory and Practice. Journals of the Atmospheric Sciences, 1999, 56, 2571-2584.	0.6	9
204	Development of Synoptic-Scale Disturbances over the Summertime Tropical Northwest Pacific. Journals of the Atmospheric Sciences, 1999, 56, 3106-3127.	0.6	132
205	Methods of Calculating Transport across the Polar Vortex Edge. Journals of the Atmospheric Sciences, 1997, 54, 2241-2260.	0.6	41
206	STAR TPC at RHIC. IEEE Transactions on Nuclear Science, 1997, 44, 671-678.	1.2	57
207	educational affairs. Bulletin of the American Meteorological Society, 1996, 77, 2919-2924.	1.7	0
208	Convection, Cloud-Radiative Feedbacks and Thermodynamic Ocean Coupling in Simple Models of the Walker Circulation. Geophysical Monograph Series, 0, , 393-405.	0.1	9