David Battisti

List of Publications by Citations

157 papers	16,151 citations	57 h-index	126 g-index
164 ext. papers	18,053 ext. citations	6.5 avg, IF	6.9 L-index

#	Paper	IF	Citations
157	ENSO-like Interdecadal Variability: 1900–93. *Journal of Climate*, **1997**, 10, 1004-1020	4.4	1920
156	Historical warnings of future food insecurity with unprecedented seasonal heat. *Science*, **2009**, 323, 240-4	33.3	1132
155	North Atlantic climate variability: phenomena, impacts and mechanisms. *International Journal of Climatology*, **2001**, 21, 1863-1898	3.5	764
154	ENSO theory. *Journal of Geophysical Research*, **1998**, 103, 14261-14290		705
153	Interannual Variability in a Tropical Atmosphere–Ocean Model: Influence of the Basic State, Ocean Geometry and Nonlinearity. *Journals of the Atmospheric Sciences*, **1989**, 46, 1687-1712	2.1	626
152	Orographic Controls on Climate and Paleoclimate of Asia: Thermal and Mechanical Roles for the Tibetan Plateau. *Annual Review of Earth and Planetary Sciences*, **2010**, 38, 77-102	15.3	501
151	Radically rethinking agriculture for the 21st century. *Science*, **2010**, 327, 833-4	33.3	491
150	The Basic Effects of Atmosphere–Ocean Thermal Coupling on Midlatitude Variability*. *Journals of the Atmospheric Sciences*, **1998**, 55, 477-493	2.1	410
149	Increase in crop losses to insect pests in a warming climate. *Science*, **2018**, 361, 916-919	33.3	410
148	Chinese stalagmite δ18O controlled by changes in the Indian monsoon during a simulated Heinrich event. *Nature Geoscience*, **2011**, 4, 474-480	18.3	409
147	The Seasonal Footprinting Mechanism in the Pacific: Implications for ENSO*. *Journal of Climate*, **2003**, 16, 2668-2675	4.4	361
146	Dynamics and Thermodynamics of a Warming Event in a Coupled Tropical Atmosphere–Ocean Model. *Journals of the Atmospheric Sciences*, **1988**, 45, 2889-2919	2.1	354
145	Footprinting: A seasonal connection between the tropics and mid-latitudes. *Geophysical Research Letters*, **2001**, 28, 3923-3926	4.9	323
144	Southward movement of the Pacific intertropical convergence zone AD 1400–1850. *Nature Geoscience*, **2009**, 2, 519-525	18.3	312
143	Interannual (ENSO) and Interdecadal (ENSO-like) Variability in the Southern Hemisphere Tropospheric Circulation*. *Journal of Climate*, **1999**, 12, 2113-2123	4.4	286
142	Winter warming in West Antarctica caused by central tropical Pacific warming. *Nature Geoscience*, **2011**, 4, 398-403	18.3	272
141	Tropical forcing of the recent rapid Arctic warming in northeastern Canada and Greenland. *Nature*, **2014**, 509, 209-12	50.4	241

140	Sensitivity of the Atlantic Intertropical Convergence Zone to Last Glacial Maximum boundary conditions. *Paleoceanography*, **2003**, 18, n/a-n/a		225
139	Influence of high-latitude atmospheric circulation changes on summertime Arctic sea ice. *Nature Climate Change*, **2017**, 7, 289-295	21.4	216
138	Is the Gulf Stream responsible for Europe's mild winters?. *Quarterly Journal of the Royal Meteorological Society*, **2002**, 128, 2563-2586	6.4	202
137	Influence of the Tropics on the Southern Annular Mode. *Journal of Climate*, **2012**, 25, 6330-6348	4.4	186
136	Lessons learned from oxygen isotopes in modern precipitation applied to interpretation of speleothem records of paleoclimate from eastern Asia. *Earth and Planetary Science Letters*, **2010**, 295, 219-230	5.3	185
135	Assessing risks of climate variability and climate change for Indonesian rice agriculture. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 7752-7	11.5	184
134	Contribution of ocean overturning circulation to tropical rainfall peak in the Northern Hemisphere. *Nature Geoscience*, **2013**, 6, 940-944	18.3	180
133	An interpretation of the results from atmospheric general circulation models forced by the time history of the observed sea surface temperature distribution. *Geophysical Research Letters*, **2000**, 27, 767-770	4.9	175
132	Future warming increases probability of globally synchronized maize production shocks. *Proceedings of the National Academy of Sciences of the United States of America*, **2018**, 115, 6644-6649	11.5	161
131	Dansgaard-Oeschger cycles: Interactions between ocean and sea ice intrinsic to the Nordic seas. *Paleoceanography*, **2013**, 28, 491-502		142
130	The Seasonal Footprinting Mechanism in the CSIRO General Circulation Models*. *Journal of Climate*, **2003**, 16, 2653-2667	4.4	140
129	The dependence of transient climate sensitivity and radiative feedbacks on the spatial pattern of ocean heat uptake. *Geophysical Research Letters*, **2014**, 41, 1071-1078	4.9	137
128	Abrupt climate shifts in Greenland due to displacements of the sea ice edge. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	128
127	Interannual to Decadal Variability in Climate and the Glacier Mass Balance in Washington, Western Canada, and Alaska*. *Journal of Climate*, **1999**, 12, 3181-3196	4.4	127
126	A Linear Stochastic Dynamical Model of ENSO. Part II: Analysis. *Journal of Climate*, **2001**, 14, 445-466	4.4	124
125	Status of and Outlook for Large-Scale Modeling of Atmosphere-Ice-Ocean Interactions in the Arctic. *Bulletin of the American Meteorological Society*, **1998**, 79, 197-219	6.1	112
124	Tropical forcing of Circumpolar Deep Water Inflow and outlet glacier thinning in the Amundsen Sea Embayment, West Antarctica. *Annals of Glaciology*, **2012**, 53, 19-28	2.5	110
123	A Linear Stochastic Dynamical Model of ENSO. Part I: Model Development. *Journal of Climate*, **2000**, 13, 2818-2832	4.4	109

122	Can North Atlantic Sea Ice Anomalies Account for Dansgaard□Oeschger Climate Signals?*. *Journal of Climate*, **2010**, 23, 5457-5475	4.4	108
121	A Modeling Study of the Interannual Variability in the Wintertime North Atlantic Ocean. *Journal of Climate*, **1995**, 8, 3067-3083	4.4	105
120	Processes Controlling the Mean Tropical Pacific Precipitation Pattern. Part I: The Andes and the Eastern Pacific ITCZ. *Journal of Climate*, **2007**, 20, 3434-3451	4.4	104
119	Atmospheric and Surface Contributions to Planetary Albedo. *Journal of Climate*, **2011**, 24, 4402-4418	4.4	103
118	Impacts of high-latitude volcanic eruptions on ENSO and AMOC. *Proceedings of the National Academy of Sciences of the United States of America*, **2015**, 112, 13784-8	11.5	99
117	Application of Remote Wind-Forced Coastal Trapped Wave Theory to the Oregon and Washington Coasts. *Journal of Physical Oceanography*, **1984**, 14, 887-903	2.4	98
116	Reduced Atlantic Storminess during Last Glacial Maximum: Evidence from a Coupled Climate Model. *Journal of Climate*, **2008**, 21, 3561-3579	4.4	96
115	The Importance of Tropical Sea Surface Temperature Patterns in Simulations of Last Glacial Maximum Climate. *Journal of Climate*, **2001**, 14, 565-581	4.4	95
114	A Study of the Predictability of Tropical Pacific SST in a Coupled Atmosphere□Ocean Model Using Singular Vector Analysis: The Role of the Annual Cycle and the ENSO Cycle*. *Monthly Weather Review*, **1997**, 125, 831-845	2.4	89
113	Maintenance of the Intertropical Convergence Zones and the Large-Scale Tropical Circulation on a Water-covered Earth. *Journals of the Atmospheric Sciences*, **1993**, 50, 691-713	2.1	88
112	Assimilation of Time-Averaged Pseudoproxies for Climate Reconstruction. *Journal of Climate*, **2014**, 27, 426-441	4.4	84
111	Processes Controlling the Mean Tropical Pacific Precipitation Pattern. Part II: The SPCZ and the Southeast Pacific Dry Zone. *Journal of Climate*, **2007**, 20, 5696-5706	4.4	78
110	The effect of continental shelves on tides. *Deep-sea Research Part A, Oceanographic Research Papers*, **1981**, 28, 665-682		75
109	Empirically Derived Markov Models and Prediction of Tropical Pacific Sea Surface Temperature Anomalies*. *Journal of Climate*, **2000**, 13, 3-17	4.4	74
108	A Simple Method for Estimating Barotropic Tidal Currents on Continental Margins with Specific Application to the M2Tide off the Atlantic and Pacific Coasts of the United States. *Journal of Physical Oceanography*, **1982**, 12, 8-16	2.4	72
107	Disentangling Global Warming, Multidecadal Variability, and El Niño in Pacific Temperatures. *Geophysical Research Letters*, **2018**, 45, 2487-2496	4.9	69
106	Fingerprints of internal drivers of Arctic sea ice loss in observations and model simulations. *Nature Geoscience*, **2019**, 12, 28-33	18.3	67
105	A Consistent Model for the Large-Scale Steady Surface AtmosphericCirculation in the Tropics*. *Journal of Climate*, **1999**, 12, 2956-2964	4.4	63

104	Low-Frequency Variability in the Arctic Atmosphere, Sea Ice, and Upper-Ocean Climate System. *Journal of Climate*, **1996**, 9, 394-408	4.4	61
103	La Niña-like Mean-State Response to Global Warming and Potential Oceanic Roles. *Journal of Climate*, **2017**, 30, 4207-4225	4.4	60
102	Coherent pan-Asian climatic and isotopic response to orbital forcing of tropical insolation. *Journal of Geophysical Research D: Atmospheres*, **2014**, 119, 11,997-12,020	4.4	59
101	The emerging field of geogenomics: Constraining geological problems with genetic data. *Earth-Science Reviews*, **2014**, 135, 38-47	10.2	57
100	Attributing Historical and Future Evolution of Radiative Feedbacks to Regional Warming Patterns using a Green's Function Approach: The Preeminence of the Western Pacific. *Journal of Climate*, **2019**, 32, 5471-5491	4.4	56
99	Atmosphere–Ocean Interaction in the North Atlantic: Near-Surface Climate Variability. *Journal of Climate*, **1998**, 11, 1615-1632	4.4	54
98	The Source of the Midwinter Suppression in Storminess over the North Pacific. *Journal of Climate*, **2010**, 23, 634-648	4.4	53
97	Shortwave and longwave radiative contributions to global warming under increasing CO2. *Proceedings of the National Academy of Sciences of the United States of America*, **2014**, 111, 16700-5	11.5	52
96	Ocean–Atmosphere Dynamical Coupling Fundamental to the Atlantic Multidecadal Oscillation. *Journal of Climate*, **2019**, 32, 251-272	4.4	52
95	ENSO response to high-latitude volcanic eruptions in the Northern Hemisphere: The role of the initial conditions. *Geophysical Research Letters*, **2016**, 43, 8694-8702	4.9	49
94	Vertical Structure of Convective Heating and the Three-Dimensional Structure of the Forced Circulation on an Equatorial Beta Plane*. *Journals of the Atmospheric Sciences*, **2000**, 57, 2169-2187	2.1	48
93	Quantifying Climate Forcings and Feedbacks over the Last Millennium in the CMIP5–PMIP3 Models*. *Journal of Climate*, **2016**, 29, 1161-1178	4.4	48
92	Aperiodic Variability in the Zebiak-Cane Coupled Ocean-Atmosphere Model: Air-Sea Interactions in the Western Equatorial Pacific. *Journal of Climate*, **1995**, 8, 2897-2927	4.4	47
91	On the Role of Off-Equatorial Oceanic Rossby Waves during ENSO. *Journal of Physical Oceanography*, **1989**, 19, 551-560	2.4	45
90	Seasonal climate information preserved in West Antarctic ice core water isotopes: relationships to temperature, large-scale circulation, and sea ice. *Climate Dynamics*, **2012**, 39, 1841-1857	4.2	44
89	The Seasonal Cycle of Atmospheric Heating and Temperature. *Journal of Climate*, **2013**, 26, 4962-4980	4.4	42
88	Understanding and predicting ENSO. *Reviews of Geophysics*, **1995**, 33, 1367-1376	23.1	42
87	Interhemispheric Effects of Interannual and Decadal ENSO-Like Climate Variations on the Americas **2001**, 1-16		40

86	Evidence for the Delayed Oscillator Mechanism for ENSO: The Observed Oceanic Kelvin Mode in the Far Western Pacific. *Journal of Physical Oceanography*, **1994**, 24, 691-699	2.4	40
85	The Annual Cycle over the Tropical Atlantic, South America, and Africa*. *Journal of Climate*, **2003**, 16, 2491-2508	4.4	38
84	What Determines Meridional Heat Transport in Climate Models?. *Journal of Climate*, **2012**, 25, 3832-3850	4.4	35
83	Consistent Changes in the Sea Ice Seasonal Cycle in Response to Global Warming. *Journal of Climate*, **2011**, 24, 5325-5335	4.4	34
82	Mongolian Mountains Matter Most: Impacts of the Latitude and Height of Asian Orography on Pacific Wintertime Atmospheric Circulation. *Journal of Climate*, **2017**, 30, 4065-4082	4.4	33
81	Changes in atmospheric variability in a glacial climate and the impacts on proxy data: a model intercomparison. *Climate of the Past*, **2009**, 5, 489-502	3.9	32
80	The effect of ocean mixed layer depth on climate in slab ocean aquaplanet experiments. *Climate Dynamics*, **2014**, 43, 1041-1055	4.2	31
79	Impacts of El Nino-Southern Oscillation events on China rice production. *Journal of Chinese Geography*, **2010**, 20, 3-16	3.7	30
78	Mechanisms Controlling the Annual Cycle of Precipitation in the Tropical Atlantic Sector in an Atmospheric GCM*. *Journal of Climate*, **2004**, 17, 4708-4723	4.4	30
77	A modeling study of the response of Asian summertime climate to the largest geologic forcings of the past 50 Ma. *Journal of Geophysical Research D: Atmospheres*, **2016**, 121, 5453-5470	4.4	29
76	Does Surface Temperature Respond to or Determine Downwelling Longwave Radiation?. *Geophysical Research Letters*, **2019**, 46, 2781-2789	4.9	28
75	Large scale tropical deforestation drives extreme warming. *Environmental Research Letters*, **2020**, 15, 084012	6.2	28
74	Pollen calendars and maps of allergenic pollen in North America. *Aerobiologia*, **2019**, 35, 613-633	2.4	27
73	Inability of stratospheric sulfate aerosol injections to preserve the West Antarctic Ice Sheet. *Geophysical Research Letters*, **2015**, 42, 4989-4997	4.9	27
72	Causes of Reduced North Atlantic Storm Activity in a CAM3 Simulation of the Last Glacial Maximum. *Journal of Climate*, **2009**, 22, 4793-4808	4.4	27
71	Pacific Interannual and Interdecadal Equatorial Variability in a 1000-Yr Simulation of the CSIRO Coupled General Circulation Model*. *Journal of Climate*, **2002**, 15, 160-178	4.4	27
70	The Climate Response to Stratospheric Sulfate Injections and Implications for Addressing Climate Emergencies. *Journal of Climate*, **2012**, 25, 3096-3116	4.4	26
69	Thermally Driven Tropical Circulations under Rayleigh Friction and Newtonian Cooling: Analytic Solutions*. *Journals of the Atmospheric Sciences*, **2001**, 58, 724-741	2.1	25

68	The Influence of Orbital Forcing of Tropical Insolation on the Climate and Isotopic Composition of Precipitation in South America. *Journal of Climate*, **2015**, 28, 4841-4862	4.4	24
67	Relative roles of surface temperature and climate forcing patterns in the inconstancy of radiative feedbacks. *Geophysical Research Letters*, **2017**, 44, 7455-7463	4.9	24
66	Examining Mechanisms of Variability within the Pacific Storm Track: Upstream Seeding and Jet-Core Strength. *Journal of Climate*, **2013**, 26, 5242-5259	4.4	24
65	ITCZ shift and extratropical teleconnections drive ENSO response to volcanic eruptions. *Science Advances*, **2020**, 6, eaaz5006	14.3	23
64	Rapid and extensive warming following cessation of solar radiation management. *Environmental Research Letters*, **2014**, 9, 024005	6.2	23
63	Do General Circulation Models Underestimate the Natural Variability in the Arctic Climate?. *Journal of Climate*, **1997**, 10, 1909-1920	4.4	23
62	Intermodel Spread in the Pattern Effect and Its Contribution to Climate Sensitivity in CMIP5 and CMIP6 Models. *Journal of Climate*, **2020**, 33, 7755-7775	4.4	23
61	Characterizing unforced multi-decadal variability of ENSO: a case study with the GFDL CM2.1 coupled GCM. *Climate Dynamics*, **2017**, 49, 2845-2862	4.2	21
60	Rayleigh Friction, Newtonian Cooling, and the Linear Response to Steady Tropical Heating*. *Journals of the Atmospheric Sciences*, **2000**, 57, 1937-1957	2.1	21
59	Pattern Recognition Methods to Separate Forced Responses from Internal Variability in Climate Model Ensembles and Observations. *Journal of Climate*, **2020**, 33, 8693-8719	4.4	21
58	Monsoons, ITCZs, and the Concept of the Global Monsoon. *Reviews of Geophysics*, **2020**, 58, e2020RG000700	23.0	21
57	ENSO in the Mid-Holocene according to CSM and HadCM3. *Journal of Climate*, **2014**, 27, 1223-1242	4.4	19
56	Estimation of nearshore tidal currents on nonsmooth continental shelves. *Journal of Geophysical Research*, **1982**, 87, 7873		18
55	Origins of East Asian Summer Monsoon Seasonality. *Journal of Climate*, **2020**, 33, 7945-7965	4.4	18
54	Robust Longitudinally Variable Responses of the ITCZ to a Myriad of Climate Forcings. *Geophysical Research Letters*, **2020**, 47, e2020GL088833	4.9	18
53	Anomalous Sea Surface Temperatures and Local Air–Sea Energy Exchange on Intraannual Timescales in the Northeastern Subtropical Pacific*. *Journal of Climate*, **1997**, 10, 102-117	4.4	17
52	Evaluating Observing Requirements for ENSO Prediction: Experiments with an Intermediate Coupled Model. *Journal of Climate*, **2004**, 17, 3057-3073	4.4	17
51	Designing Efficient Observing Networks for ENSO Prediction. *Journal of Climate*, **2004**, 17, 3074-3089	4.4	17

50	Terrestrial Influence on the Annual Cycle of the Atlantic ITCZ in an AGCM Coupled to a Slab Ocean Model*. *Journal of Climate*, **2005**, 18, 211-228	4.4	17
49	Weakening of Nonlinear ENSO Under Global Warming. *Geophysical Research Letters*, **2018**, 45, 8557-8567	4.9	17
48	100 Years of Progress in Understanding the Dynamics of Coupled Atmosphere–Ocean Variability. *Meteorological Monographs*, **2019**, 59, 8.1-8.57	5.7	15
47	The Amplitude Asymmetry between Synoptic Cyclones and Anticyclones: Implications for Filtering Methods in Feature Tracking. *Monthly Weather Review*, **2009**, 137, 3874-3887	2.4	15
46	Tropical Precipitation and Cross-Equatorial Ocean Heat Transport during the Mid-Holocene. *Journal of Climate*, **2017**, 30, 3529-3547	4.4	14
45	Work Adaptations Insufficient to Address Growing Heat Risk for U.S. Agricultural Workers. *Environmental Research Letters*, **2020**, 15,	6.2	14
44	Tracking precipitation events in time and space in gridded observational data. *Geophysical Research Letters*, **2017**, 44, 8637-8646	4.9	14
43	Coupled Air–Mixed Layer Temperature Predictability for Climate Reconstruction. *Journal of Climate* , **2012**, 25, 459-472	4.4	14
42	Seasonality in an Empirically Derived Markov Model of Tropical Pacific Sea Surface Temperature Anomalies*. *Journal of Climate*, **2000**, 13, 3327-3335	4.4	14
41	Thermally Forced Surface Winds on an Equatorial Beta Plane*. *Journals of the Atmospheric Sciences*, **1999**, 56, 2029-2037	2.1	14
40	Ocean Circulation Signatures of North Pacific Decadal Variability. *Geophysical Research Letters*, **2019**, 46, 1690-1701	4.9	13
39	The Tropical Precipitation Response to Andes Topography and Ocean Heat Fluxes in an Aquaplanet Model. *Journal of Climate*, **2015**, 28, 381-398	4.4	13
38	Orography and the Boreal Winter Stratosphere: The Importance of the Mongolian Mountains. *Geophysical Research Letters*, **2018**, 45, 2088-2096	4.9	12
37	A Heuristic Model of Dansgaard–Oeschger Cycles. Part I: Description, Results, and Sensitivity Studies. *Journal of Climate*, **2014**, 27, 4337-4358	4.4	12
36	Empirical Downscaling of High-Resolution Regional Precipitation from Large-Scale Reanalysis Fields. *Journal of Applied Meteorology and Climatology*, **2012**, 51, 100-114	2.7	12
35	A New Ocean Model for Studying the Tropical Oceanic Aspects of ENSO. *Journal of Physical Oceanography*, **1995**, 25, 2065-2089	2.4	12
34	The Partitioning of Meridional Heat Transport from the Last Glacial Maximum to CO2 Quadrupling in Coupled Climate Models. *Journal of Climate*, **2020**, 33, 4141-4165	4.4	11
33	The Dependence of the Low-Level Equatorial Easterly Jet on Hadley and Walker Circulations. *Journals of the Atmospheric Sciences*, **1995**, 52, 3911-3931	2.1	11

32	The Origin of Soil Moisture Evaporation Regimes. *Journal of Climate*, **2019**, 32, 6939-6960	4.4	10
31	Downscaling Indonesian precipitation using large-scale meteorological fields. *International Journal of Climatology*, **2010**, 30, 1706-1722	3.5	10
30	Drought Recurrence and Seasonal Rainfall Prediction in the Río Yaqui Basin, Mexico. *Journal of Applied Meteorology and Climatology*, **2008**, 47, 991-1005	2.7	10
29	Beyond Refugia: New Insights on Quaternary Climate Variation and the Evolution of Biotic Diversity in Tropical South America. *Fascinating Life Sciences*, **2020**, 51-70	1.1	10
28	A new tool for evaluating the physics of coupled atmosphere–ocean variability in nature and in general circulation models. *Climate Dynamics*, **2011**, 36, 907-923	4.2	8
27	Identification of the Fortnightly Wave Observed Along the Northern Coast of the Gulf of Guinea. *Journal of Physical Oceanography*, **1983**, 13, 2192-2200	2.4	8
26	Seasonal Asymmetries in the Lag between Insolation and Surface Temperature. *Journal of Climate*, **2020**, 33, 3921-3945	4.4	7
25	Why Do Baroclinic Waves Tilt Poleward with Height?*. *Journals of the Atmospheric Sciences*, **2004**, 61, 1454-1460	2.1	7
24	Outsize Influence of Central American Orography on Global Climate. *AGU Advances*, **2021**, 2, e2020AV000343	5.4	7
23	The Brewer-Dobson Circulation During the Last Glacial Maximum. *Geophysical Research Letters*, **2020**, 47, e2019GL086271	4.9	6
22	The Effect of Cloud Cover on the Meridional Heat Transport: Lessons from Variable Rotation Experiments. *Journal of Climate*, **2017**, 30, 7465-7479	4.4	6
21	The Atlantic Climate Change Program. *Bulletin of the American Meteorological Society*, **1994**, 75, 1191-1199	3.1	5
20	Identifying the Sources of Continental Summertime Temperature Variance Using a Diagnostic Model of Land–Atmosphere Interactions. *Journal of Climate*, **2020**, 33, 3547-3564	4.4	5
19	The effect of deforestation and climate change on all-cause mortality and unsafe work conditions due to heat exposure in Berau, Indonesia: a modelling study. *Lancet Planetary Health, The*, **2021**,	9.8	5
18	Data-Model Comparisons of Tropical Hydroclimate Changes Over the Common Era. *Paleoceanography and Paleoclimatology*, **2021**, 36, e2020PA003934	3.3	5
17	Summertime Temperature Variability Increases With Local Warming in Midlatitude Regions. *Geophysical Research Letters*, **2020**, 47, e2020GL087624	4.9	4
16	Instability and predictability in coupled atmosphere-ocean models. *Philosophical Transactions of the Royal Society A*, **1989**, 329, 237-247		3
15	Tropical deforestation accelerates local warming and loss of safe outdoor working hours. *One Earth* , **2021**, 4, 1730-1740	8.1	3

14	Biased Estimates of Equilibrium Climate Sensitivity and Transient Climate Response Derived From Historical CMIP6 Simulations. *Geophysical Research Letters*, **2021**, 48,	4.9	3
13	Consistent cooling benefits of silvopasture in the tropics.. *Nature Communications*, **2022**, 13, 708	17.4	3
12	South American Climate during the Early Eocene: Impact of a Narrower Atlantic and Higher Atmospheric CO2. *Journal of Climate*, **2020**, 33, 691-706	4.4	3
11	A New Look at the Variance of Summertime Temperatures over Land. *Journal of Climate*, **2020**, 33, 5465-5477	4.4	3
10	Changes in atmospheric variability in a glacial climate and the impacts on proxy data: a model intercomparison		2
9	Water Resources Management in the Yaqui Valley **2012**, 197-227		2
8	Interannual Variability in Coupled Tropical Atmosphere-Ocean Models **1990**, 127-159		2
7	Projected Increases in Monthly Midlatitude Summertime Temperature Variance Over Land Are Driven by Local Thermodynamics. *Geophysical Research Letters*, **2020**, 47, e2020GL090197	4.9	2
6	Slow Modes of Global Temperature Variability and Their Impact on Climate Sensitivity Estimates. *Journal of Climate*, **2021**, 1-68	4.4	2
5	The Role of Seasonality and the ENSO Mode in Central and East Pacific ENSO Growth and Evolution. *Journal of Climate*, **2022**, 1-46	4.4	1
4	The Influence of the Trend, Basin Interactions, and Ocean Dynamics on Tropical Ocean Prediction. *Geophysical Research Letters*, **2022**, 49,	4.9	0
3	The Relationship Between Mixed Rossby-Gravity Waves and Convection in a General Circulation Model. *Journal of the Meteorological Society of Japan*, **1993**, 71, 321-338	2.8	
2	Model vs. experiment to predict crop losses-Response. *Science*, **2018**, 362, 1122-1123	33.3	
1	Optimal geometric characterization of forced zonal mean tropical precipitation changes. *Climate Dynamics*,1	4.2	