Improved Climate Simulation by MIROC5: Mean States,

Citation Report

#	ARTICLE	IF	CITATIONS
4	Influence of dust and black carbon on the snow albedo in the NASA Goddard Earth Observing System version 5 land surface model. Journal of Geophysical Research, 2011, 116, .	3.3	52
5	A Numerical Simulation of Global Transport of Atmospheric Particles Emitted from the Fukushima Daiichi Nuclear Power Plant. Scientific Online Letters on the Atmosphere, 2011, 7, 101-104.	0.6	92
6	Role of Air-sea Coupling in the Interannual Variability of the South China Sea Summer Monsoon. Journal of the Meteorological Society of Japan, 2011, 89A, 283-290.	0.7	17
7	STUDIES ON THE METHODS OF BIAS CORRECTION FOR GENERAL CIRCULATION MODELâ€™S MONTHLY PRECIPITATION AND THEIR APPLICATION TO MIROC5â€™S OUTPUTS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2011, 67, I_469-I_474.	0.0	0
8	Constraints to the tropical lowâ€cloud trends in historical climate simulations. Atmospheric Science Letters, 2011, 12, 288-293.	0.8	7
9	Convective Control of ENSO Simulated in MIROC. Journal of Climate, 2011, 24, 543-562.	1.2	100
10	Global Monsoon, El NiÃ±o, and Their Interannual Linkage Simulated by MIROC5 and the CMIP3 CGCMs. Journal of Climate, 2011, 24, 5604-5618.	1.2	14
11	Precipitation Reproducibility over Tropical Oceans and Its Relationship to the Double ITCZ Problem in CMIP3 and MIROC5 Climate Models. Journal of Climate, 2011, 24, 4859-4873.	1.2	98
12	Application of Cluster Analysis to Climate Model Performance Metrics. Journal of Applied Meteorology and Climatology, 2011, 50, 1666-1675.	0.6	22
13	Improved Seasonal Precipitation Forecasts for the Asian Monsoon Using 16 Atmosphereâ€"Ocean Coupled Models. Part II: Anomaly. Journal of Climate, 2012, 25, 65-88.	1.2	9
14	Parameterization of Tropical Instability Waves and Examination of Their Impact on ENSO Characteristics. Journal of Climate, 2012, 25, 4568-4581.	1.2	31
15	Role of the Indo-Pacific Interbasin Coupling in Predicting Asymmetric ENSO Transition and Duration. Journal of Climate, 2012, 25, 3321-3335.	1.2	47
16	Improved Seasonal Precipitation Forecasts for the Asian Monsoon Using 16 Atmosphereâ€"Ocean Coupled Models. Part I: Climatology. Journal of Climate, 2012, 25, 39-64.	1.2	13
17	Using a Multiphysics Ensemble for Exploring Diversity in Cloudâ€"Shortwave Feedback in GCMs. Journal of Climate, 2012, 25, 5416-5431.	1.2	33
18	Diagnosing atmosphereâ€"land feedbacks in CMIP5 climate models. Environmental Research Letters, 2012, 7, 044003.	2.2	21
19	Constraining projections of summer Arctic sea ice. Cryosphere, 2012, 6, 1383-1394.	1.5	239
20	21st century projections of surface mass balance changes for major drainage systems of the Greenland ice sheet. Environmental Research Letters, 2012, 7, 045405.	2.2	33
21	A method for disentangling El NiÃ±oâ€"mean state interaction. Geophysical Research Letters, 2012, 39, .	1.5	24

#	Article	IF	Citations
22	How have both cultivation and warming influenced annual global isoprene and monoterpene emissions since the preindustrial era?. Atmospheric Chemistry and Physics, 2012, 12, 9703-9718.	1.9	14
23	REPRESENTATION OF SUBGRID SCALE SNOW COVER AND SNOW DEPTH VARIABILITIES IN A GLOBAL LAND MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_325-I_330.	0.0	2
24	Distributions and climate effects of atmospheric aerosols from the preindustrial era to 2100 along Representative Concentration Pathways (RCPs) simulated using the global aerosol model SPRINTARS. Atmospheric Chemistry and Physics, 2012, 12, 11555-11572.	1.9	48
25	An estimation of the radioactive 35S emitted into the atmospheric from the Fukushima Daiichi Nuclear Power Plant by using a numerical simulation global transport. Geochemical Journal, 2012, 46, 335-339.	0.5	4
26	Relationship between the Pacific and Atlantic stepwise climate change during the 1990s. Geophysical Research Letters, 2012, 39, .	1.5	30
27	On the robustness of tropospheric adjustment in CMIP5 models. Geophysical Research Letters, 2012, 39, .	1.5	34
28	Assessment of turbulence closure models for resonant inertial response in the oceanic mixed layer using a large eddy simulation model. Journal of Oceanography, 2012, 68, 285-294.	0.7	36
29	Evaluation of cloud and water vapor simulations in CMIP5 climate models using NASA â€œAâ€Trainâ€ satellite observations. Journal of Geophysical Research, 2012, 117, .	3.3	316
30	Perturbed physics ensemble using the MIROC5 coupled atmosphereâ€"ocean GCM without flux corrections: experimental design and results. Climate Dynamics, 2012, 39, 3041-3056.	1.7	49
31	The impact of climate change on China's crop production: A CMIP5 ensemble assessment. , 2012, , .		2
32	Fast and slow timescales in the tropical low-cloud response to increasing CO2 in two climate models. Climate Dynamics, 2012, 39, 1627-1641.	1.7	25
33	Tuning the climate of a global model. Journal of Advances in Modeling Earth Systems, 2012, 4, .	1.3	334
34	A paleogeographic approach to aerosol prescription in simulations of deep time climate. Journal of Advances in Modeling Earth Systems, 2012, 4, .	1.3	23
35	SEASONAL PREDICTION BY STATISTICAL DOWNSCALING USING SINGULAR VALUE DECOMPOSITION ANALYSIS -PREDICTABILITY OF AUTUMN PRECIPITATION OVER INDOCHINA-. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2012, 68, I_1369-I_1374.	0.0	1
36	A New Global Climate Model of the Meteorological Research Institute: MRI-CGCM3 â€"Model Description and Basic Performanceâ€". Journal of the Meteorological Society of Japan, 2012, 90A, 23-64.	0.7	649
37	MIROC4hâ€"A New High-Resolution Atmosphere-Ocean Coupled General Circulation Model. Journal of the Meteorological Society of Japan, 2012, 90, 325-359.	0.7	146
38	Decadal Prediction Using a Recent Series of MIROC Global Climate Models. Journal of the Meteorological Society of Japan, 2012, 90A, 373-383.	0.7	60
39	Sea-Ice in Twentieth-Century Simulations by New MIROC Coupled Models: A Comparison between Models with High Resolution and with Ice Thickness Distribution. Journal of the Meteorological Society of Japan, 2012, 90A, 213-232.	0.7	26

#	Article	IF	Citations
40	Quantifying the ocean's role in glacial CO&lt;sub&gt;2&lt;/sub&gt; reductions. Climate of the Past, 2012, 8, 545-563.	1.3	30
41	Temperature scaling pattern dependence on representative concentration pathway emission scenarios. Climatic Change, 2012, 112, 535-546.	1.7	26
42	Analysis of uncertainties in future climate projections for South America: comparison of WCRP-CMIP3 and WCRP-CMIP5 models. Climate Dynamics, 2013, 41, 1039-1056.	1.7	53
43	Water vapor transport and cross-equatorial flow over the Asian-Australia monsoon region simulated by CMIP5 climate models. Advances in Atmospheric Sciences, 2013, 30, 726-738.	1.9	16
44	Reliability and importance of structural diversity of climate model ensembles. Climate Dynamics, 2013, 41, 2745-2763.	1.7	23
45	The respective roles of surface temperature driven feedbacks and tropospheric adjustment to CO2 in CMIP5 transient climate simulations. Climate Dynamics, 2013, 41, 3103-3126.	1.7	21
46	The Indo-Australian monsoon and its relationship to ENSO and IOD in reanalysis data and the CMIP3/CMIP5 simulations. Climate Dynamics, 2013, 41, 3073-3102.	1.7	153
47	The Asian summer monsoon: an intercomparison of CMIP5 vs. CMIP3 simulations of the late 20th century. Climate Dynamics, 2013, 41, 2711-2744.	1.7	657
48	Tropospheric adjustment to increasing CO2: its timescale and the role of land–sea contrast. Climate Dynamics, 2013, 41, 3007-3024.	1.7	68
49	An overview of decadal climate predictability in a multi-model ensemble by climate model MIROC. Climate Dynamics, 2013, 40, 1201-1222.	1.7	67
50	Observed and simulated precipitation responses in wet and dry regions 1850–2100. Environmental Research Letters, 2013, 8, 034002.	2.2	154
51	Consistency of simulated and observed regional changes in temperature, sea level pressure and precipitation. Climatic Change, 2013, 118, 799-810.	1.7	34
52	Detection and prediction of mean and extreme European summer temperatures with a multimodel ensemble. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9631-9641.	1.2	10
53	Eastward-Propagating Intraseasonal Oscillation Represented by Chikira–Sugiyama Cumulus Parameterization. Part I: Comparison with Observation and Reanalysis. Journals of the Atmospheric Sciences, 2013, 70, 3920-3939.	0.6	22
54	North American Climate in CMIP5 Experiments. Part II: Evaluation of Historical Simulations of Intraseasonal to Decadal Variability. Journal of Climate, 2013, 26, 9247-9290.	1.2	124
55	Climate Drift in the CMIP5 Models*. Journal of Climate, 2013, 26, 8597-8615.	1.2	195
56	Impact of subgrid-scale ice thickness distribution on heat flux on and through sea ice. Ocean Modelling, 2013, 71, 13-25.	1.0	10
57	Multidecadal Climate Variability and the "Warming Hole" in North America: Results from CMIP5 Twentieth- and Twenty-First-Century Climate Simulations*. Journal of Climate, 2013, 26, 3511-3527.	1.2	66

#	ARTICLE	IF	CITATIONS
58	Land use/cover change impacts in CMIP5 climate simulations: A new methodology and 21st century challenges. Journal of Geophysical Research D: Atmospheres, 2013, 118, 6337-6353.	1.2	72
59	Simulating Clouds with Global Climate Models: A Comparison of CMIP5 Results with CMIP3 and Satellite Data. Journal of Climate, 2013, 26, 3823-3845.	1.2	109
60	Explaining Extreme Events of 2012 from a Climate Perspective. Bulletin of the American Meteorological Society, 2013, 94, S1-S74.	1.7	229
61	Longitudinal biases in the Seychelles Dome simulated by 35 ocean–atmosphere coupled general circulation models. Journal of Geophysical Research: Oceans, 2013, 118, 831-846.	1.0	23
62	Dependence of Precipitation Scaling Patterns on Emission Scenarios for Representative Concentration Pathways. Journal of Climate, 2013, 26, 8868-8879.	1.2	9
63	Achieving Seventh-Order Amplitude Accuracy in Leapfrog Integrations. Monthly Weather Review, 2013, 141, 3037-3051.	0.5	24
64	The SPRINTARS version 3.80/4D-Var data assimilation system: development and inversion experiments based on the observing system simulation experiment framework. Geoscientific Model Development, 2013, 6, 2005-2022.	1.3	20
65	North American Climate in CMIP5 Experiments. Part I: Evaluation of Historical Simulations of Continental and Regional Climatology. Journal of Climate, 2013, 26, 9209-9245.	1.2	242
66	Intermodel Variability and Mechanism Attribution of Central and Southeastern U.S. Anomalous Cooling in the Twentieth Century as Simulated by CMIP5 Models. Journal of Climate, 2013, 26, 6215-6237.	1.2	43
67	The Transpose-AMIP II Experiment and Its Application to the Understanding of Southern Ocean Cloud Biases in Climate Models. Journal of Climate, 2013, 26, 3258-3274.	1.2	168
68	Downscaling of Climate Change in the Hawaii Region Using CMIP5 Results: On the Choice of the Forcing Fields*. Journal of Climate, 2013, 26, 10006-10030.	1.2	57
69	Control of Decadal and Bidecadal Climate Variability in the Tropical Pacific by the Off-Equatorial South Pacific Ocean. Journal of Climate, 2013, 26, 6524-6534.	1.2	23
70	Strengthening of ocean heat uptake efficiency associated with the recent climate hiatus. Geophysical Research Letters, 2013, 40, 3175-3179.	1.5	108
71	The influence of anthropogenic aerosol on multi-decadal variations of historical global climate. Environmental Research Letters, 2013, 8, 024033.	2.2	142
72	Contributions of Different Cloud Types to Feedbacks and Rapid Adjustments in CMIP5*. Journal of Climate, 2013, 26, 5007-5027.	1.2	235
73	Global and Regional Aspects of Tropical Cyclone Activity in the CMIP5 Models. Journal of Climate, 2013, 26, 9880-9902.	1.2	269
74	How does internal variability influence the ability of CMIP5 models to reproduce the recent trend in Southern Ocean sea ice extent?. Cryosphere, 2013, 7, 451-468.	1.5	135
75	Projected effects of declining aerosols in RCP4.5: unmasking global warming?. Atmospheric Chemistry and Physics, 2013, 13, 10883-10905.	1.9	49

#	Article	IF	Citations
76	An event attribution of the 2010 drought in the South Amazon region using the MIROC5 model. Atmospheric Science Letters, 2013, 14, 170-175.	0.8	46
77	The Present and Future of the West African Monsoon: A Process-Oriented Assessment of CMIP5 Simulations along the AMMA Transect. Journal of Climate, 2013, 26, 6471-6505.	1.2	189
78	Initialized near-term regional climate change prediction. Nature Communications, 2013, 4, 1715.	5.8	250
79	Impact of Strong Tropical Volcanic Eruptions on ENSO Simulated in a Coupled GCM. Journal of Climate, 2013, 26, 5169-5182.	1.2	91
80	The relationship between extreme precipitation and surface air temperature in Bangladesh.. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_127-I_132.	0.0	0
81	SEASONAL PREDICTABILITY OF THAILAND HEAVY RAINFALL IN 2011. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2013, 69, I_391-I_396.	0.0	0
82	Evaluating and understanding top of the atmosphere cloud radiative effects in Intergovernmental Panel on Climate Change (IPCC) Fifth Assessment Report (AR5) Coupled Model Intercomparison Project Phase 5 (CMIP5) models using satellite observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 683-699.	1.2	76
83	Mechanism of tropical low‐cloud response to surface warming using weather and climate simulations. Geophysical Research Letters, 2013, 40, 2427-2432.	1.5	9
84	Improving computational efficiency in global river models by implementing the local inertial flow equation and a vector‐based river network map. Water Resources Research, 2013, 49, 7221-7235.	1.7	155
85	Impacts of global warming on Northern Hemisphere winter storm tracks in the CMIP5 model suite. Journal of Geophysical Research D: Atmospheres, 2013, 118, 3919-3932.	1.2	38
86	Are climate model simulations of clouds improving? An evaluation using the ISCCP simulator. Journal of Geophysical Research D: Atmospheres, 2013, 118, 1329-1342.	1.2	195
87	Long‐term ozone changes and associated climate impacts in CMIP5 simulations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 5029-5060.	1.2	243
88	Diagnosis of regime‐dependent cloud simulation errors in CMIP5 models using "A‐Train" satellite observations and reanalysis data. Journal of Geophysical Research D: Atmospheres, 2013, 118, 2762-2780.	1.2	90
89	Event Attribution of the August 2010 Russian Heat Wave. Scientific Online Letters on the Atmosphere, 2013, 9, 65-68.	0.6	20
90	Attribution of the June-July 2013 Heat Wave in the Southwestern United States. Scientific Online Letters on the Atmosphere, 2014, 10, 122-126.	0.6	43
91	Regional Grain Yield Response to Climate Change in China: A Statistic Modeling Approach. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2014, 7, 4472-4479.	2.3	7
92	Increasing potential of biomass burning over Sumatra, Indonesia induced by anthropogenic tropical warming. Environmental Research Letters, 2014, 9, 104010.	2.2	20
93	Climate Simulators and Climate Projections. Annual Review of Statistics and Its Application, 2014, 1, 103-123.	4.1	13

#	Article	IF	Citations
94	On the Contribution of Longwave Radiation to Global Climate Model Biases in Arctic Lower Tropospheric Stability. Journal of Climate, 2014, 27, 7250-7269.	1.2	41
95	Explaining Extreme Events of 2013 from a Climate Perspective. Bulletin of the American Meteorological Society, 2014, 95, S1-S104.	1.7	180
96	Eastward-Propagating Intraseasonal Oscillation Represented by Chikira–Sugiyama Cumulus Parameterization. Part II: Understanding Moisture Variation under Weak Temperature Gradient Balance. Journals of the Atmospheric Sciences, 2014, 71, 615-639.	0.6	117
97	Role of Convective Entrainment in Spatial Distributions of and Temporal Variations in Precipitation over Tropical Oceans. Journal of Climate, 2014, 27, 8707-8723.	1.2	25
98	Validation of a Pattern Scaling Approach for Determining the Maximum Available Renewable Freshwater Resource. Journal of Hydrometeorology, 2014, 15, 505-516.	0.7	8
99	Relationship between fine-mode AOD and precipitation on seasonal and interannual time scales. Tellus, Series B: Chemical and Physical Meteorology, 2014, 66, 23037.	0.8	11
100	Robust Seasonality of Arctic Warming Processes in Two Different Versions of the MIROC GCM. Journal of Climate, 2014, 27, 6358-6375.	1.2	23
101	The Impact of Surface Mixing on the Arctic River Water Distribution and Stratification in a Global Ice–Ocean Model. Journal of Climate, 2014, 27, 4359-4370.	1.2	28
102	Analysis of Low-Frequency Precipitation Variability in CMIP5 Historical Simulations for Southwestern North America. Journal of Climate, 2014, 27, 2735-2756.	1.2	35
103	On the Correspondence between Mean Forecast Errors and Climate Errors in CMIP5 Models. Journal of Climate, 2014, 27, 1781-1798.	1.2	110
104	Multi-task Sparse Structure Learning. , 2014, , .		19
105	Low-cloud optical depth feedback in climate models. Journal of Geophysical Research D: Atmospheres, 2014, 119, 6052-6065.	1.2	80
106	Multi-parameter multi-physics ensemble (MPMPE): a new approach exploring the uncertainties of climate sensitivity. Atmospheric Science Letters, 2014, 15, 97-102.	0.8	20
107	The change of cherry first-flowering date over South Korea projected from downscaled IPCC AR5 simulation. International Journal of Climatology, 2014, 34, 2308-2319.	1.5	10
108	Surface air temperature variability in global climate models. Atmospheric Science Letters, 2014, 15, 13-20.	0.8	9
109	The Non-hydrostatic Icosahedral Atmospheric Model: description and development. Progress in Earth and Planetary Science, 2014, 1, .	1.1	274
110	Modeling of black carbon in Asia using a global-to-regional seamless aerosol-transport model. Environmental Pollution, 2014, 195, 330-335.	3.7	13
111	A Unified Convection Scheme (UNICON). Part I: Formulation. Journals of the Atmospheric Sciences, 2014, 71, 3902-3930.	0.6	135

#	ARTICLE	IF	CITATIONS
112	Physically Consistent Responses of the Global Atmospheric Hydrological Cycle in Models and Observations. Surveys in Geophysics, 2014, 35, 533-552.	2.1	154
113	Response of the Atlantic meridional overturning circulation to a reversal of greenhouse gas increases. Climate Dynamics, 2014, 42, 3323-3336.	1.7	12
114	Arctic forcing of decadal variability in the tropical Pacific Ocean in a high-resolution global coupled GCM. Climate Dynamics, 2014, 42, 3375-3388.	1.7	2
115	Evaluation of pan-Arctic melt-freeze onset in CMIP5 climate models and reanalyses using surface observations. Climate Dynamics, 2014, 42, 2239-2257.	1.7	14
116	On the persistent spread in snow-albedo feedback. Climate Dynamics, 2014, 42, 69-81.	1.7	178
117	Multi-year prediction skill of Atlantic hurricane activity in CMIP5 decadal hindcasts. Climate Dynamics, 2014, 42, 2675-2690.	1.7	23
118	ENSO representation in climate models: from CMIP3 to CMIP5. Climate Dynamics, 2014, 42, 1999-2018.	1.7	712
119	Origins of the Solar Radiation Biases over the Southern Ocean in CFMIP2 Models*. Journal of Climate, 2014, 27, 41-56.	1.2	227
120	Summertime landâ€"sea thermal contrast and atmospheric circulation over East Asia in a warming climateâ€"Part I: Past changes and future projections. Climate Dynamics, 2014, 43, 2553-2568.	1.7	50
121	Synoptic weather conditions and aerosol episodes over Indo-Gangetic Plains, India. Climate Dynamics, 2014, 43, 2313-2331.	1.7	51
122	Representing Variability in Subgrid Snow Cover and Snow Depth in a Global Land Model: Offline Validation. Journal of Climate, 2014, 27, 3318-3330.	1.2	48
123	Uncovering cryptic diversity and refugial persistence among small mammal lineages across the Eastern Afromontane biodiversity hotspot. Molecular Phylogenetics and Evolution, 2014, 71, 41-54.	1.2	80
124	North American Climate in CMIP5 Experiments: Part III: Assessment of Twenty-First-Century Projections*. Journal of Climate, 2014, 27, 2230-2270.	1.2	231
125	Evaluation of CMIP climate model hydrological output for the Mississippi River Basin using GRACE satellite observations. Journal of Hydrology, 2014, 519, 3566-3577.	2.3	24
126	Snowpack Changes in the Hindu Kushâ€"Karakoramâ€"Himalaya from CMIP5 Global Climate Models. Journal of Hydrometeorology, 2014, 15, 2293-2313.	0.7	38
127	Regional projections of the likelihood of very large wildland fires under a changing climate in the contiguous Western United States. Climatic Change, 2014, 126, 455-468.	1.7	95
128	Changes in global net radiative imbalance 1985â€"2012. Geophysical Research Letters, 2014, 41, 5588-5597.	1.5	153
129	CMIP5/AMIP GCM simulations of East Asian summer monsoon. Advances in Atmospheric Sciences, 2014, 31, 836-850.	1.9	30

#	Article	IF	Citations
130	Boreal winter rainfall anomaly over the tropical indo-pacific and its effect on northern hemisphere atmospheric circulation in CMIP5 models. Advances in Atmospheric Sciences, 2014, 31, 916-925.	1.9	3
131	On the spread of changes in marine low cloud cover in climate model simulations of the 21st century. Climate Dynamics, 2014, 42, 2603-2626.	1.7	151
132	Importance of instantaneous radiative forcing for rapid tropospheric adjustment. Climate Dynamics, 2014, 43, 1409-1421.	1.7	9
133	Pacific Walker Circulation variability in coupled and uncoupled climate models. Climate Dynamics, 2014, 43, 103-117.	1.7	70
134	Summertime land–sea thermal contrast and atmospheric circulation over East Asia in a warming climate–Part II: Importance of CO_2-induced continental warming. Climate Dynamics, 2014, 43, 2569-2583.	1.7	30
135	Projected coral bleaching in response to future sea surface temperature rises and the uncertainties among climate models. Hydrobiologia, 2014, 733, 19-29.	1.0	12
136	Reliability of regional and global climate models to simulate precipitation extremes over India. Journal of Geophysical Research D: Atmospheres, 2014, 119, 9301-9323.	1.2	136
137	Regional climatic effects according to different estimations of biogenic volatile organic compounds during the asian summer monsoon. Asia-Pacific Journal of Atmospheric Sciences, 2014, 50, 423-435.	1.3	0
138	Contribution of natural decadal variability to global warming acceleration and hiatus. Nature Climate Change, 2014, 4, 893-897.	8.1	179
139	Evaluating CMIP5 simulations of mixed layer depth during summer. Journal of Geophysical Research: Oceans, 2014, 119, 2568-2582.	1.0	45
140	Evaluation of Climate Models. , 2014, , 741-866.		458
141	Attributing the increase in Northern Hemisphere hot summers since the late 20th century. Geophysical Research Letters, 2014, 41, 5192-5199.	1.5	47
142	Prediction of Storm Surge at Tokyo Bay under RCP 8.5 Scenario by Using Meteorological-Surge-Tide Coupled Model. Journal of Japan Society of Civil Engineers Ser B2 (Coastal Engineering), 2014, 70, I_1261-I_1265.	0.0	3
143	CHANGES IN RIVER DISCHARGE IN THE INDOCHINA PENINSULA REGION PROJECTED USING MRI-AGCM AND MIROC5 DATASETS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_115-I_120.	0.0	5
144	EMULATION OF A COUPLE ATMOSPHERE-OCEAN GENERAL CIRCULATION MODEL WITH A SIMPLE CLIMATE MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2014, 70, I_307-I_312.	0.0	0
145	Global–scale land surface hydrologic modeling with the representation of water table dynamics. Journal of Geophysical Research D: Atmospheres, 2014, 119, 75-89.	1.2	93
146	Vertical structure and physical processes of the Madden–Julian oscillation: Exploring key model physics in climate simulations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4718-4748.	1.2	332
147	The change of first–flowering date over South Korea projected from downscaled IPCC AR5 simulation: peach and pear. International Journal of Climatology, 2015, 35, 1926-1937.	1.5	15

#	Article	IF	Citations
148	The impact of parametrized convection on cloud feedback. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2015, 373, 20140414.	1.6	63
149	Dynamical Downscaling–Based Projections of Great Lakes Water Levels*+. Journal of Climate, 2015, 28, 9721-9745.	1.2	52
150	The ENSO effects on tropical clouds and top–of–atmosphere cloud radiative effects in CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4443-4465.	1.2	11
151	Vertical structure and physical processes of the Madden–Julian Oscillation: Biases and uncertainties at short range. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4749-4763.	1.2	26
152	Future changes in autumn atmospheric river events in British Columbia, Canada, as projected by CMIP5 global climate models. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9279-9302.	1.2	64
153	Recent slowdown of tropical upper tropospheric warming associated with Pacific climate variability. Geophysical Research Letters, 2015, 42, 2995-3003.	1.5	18
154	An evaluation of simulated particulate sulfate over East Asia through global model intercomparison. Journal of Geophysical Research D: Atmospheres, 2015, 120, 6247-6270.	1.2	26
155	Impact of snow darkening via dust, black carbon, and organic carbon on boreal spring climate in the Earth system. Journal of Geophysical Research D: Atmospheres, 2015, 120, 5485-5503.	1.2	64
156	Tropical cyclone genesis potential index over the western North Pacific simulated by CMIP5 models. Advances in Atmospheric Sciences, 2015, 32, 1539-1550.	1.9	13
157	Quantitative analysis of the feedback induced by the freshwater flux in the tropical Pacific using CMIP5. Advances in Atmospheric Sciences, 2015, 32, 1341-1353.	1.9	9
158	Permafrost Thaw and Associated Settlement Hazard Onset Timing over the Qinghai-Tibet Engineering Corridor. International Journal of Disaster Risk Science, 2015, 6, 347-358.	1.3	24
159	Multimodel evaluation of cloud phase transition using satellite and reanalysis data. Journal of Geophysical Research D: Atmospheres, 2015, 120, 7871-7892.	1.2	100
160	In and out of refugia: historical patterns of diversity and demography in the North American Caesar's mushroom species complex. Molecular Ecology, 2015, 24, 5938-5956.	2.0	19
161	On the enhancement of the Indian summer monsoon drying by Pacific multidecadal variability during the latter half of the twentieth century. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9103-9118.	1.2	33
162	A SENSITIVITY STUDY OF A SIMPLE WETLAND SCHEME FOR IMPROVEMENTS IN THE REPRESENTATION OF SURFACE HYDROLOGY AND DECREASE OF SURFACE AIR TEMPERATURE BIAS. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2015, 71, I_955-I_960.	0.0	2
163	Multiannual forecasts of Atlantic U.S. tropical cyclone wind damage potential. Geophysical Research Letters, 2015, 42, 2417-2425.	1.5	23
164	Evaluation of autoconversion schemes in a single model framework with satellite observations. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9570-9590.	1.2	40
165	A single–column model intercomparison on the stratocumulus representation in present–day and future climate. Journal of Advances in Modeling Earth Systems, 2015, 7, 617-647.	1.3	33

#	ARTICLE	IF	CITATIONS
166	Vertical structure and physical processes of the Madden–Julian oscillation: Synthesis and summary. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4671-4689.	1.2	58
167	Climate change effects on the worst-case storm surge: a case study of Typhoon Haiyan. Environmental Research Letters, 2015, 10, 064011.	2.2	67
168	An Application of a Physical Vegetation Model to Estimate Climate Change Impacts on Rice Leaf Wetness. Journal of Applied Meteorology and Climatology, 2015, 54, 1482-1495.	0.6	4
169	Prospects for decadal climate prediction in the Mediterranean region. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 580-597.	1.0	19
170	Summertime precipitation over northern Australia in AMIP simulations from CMIP5. Quarterly Journal of the Royal Meteorological Society, 2015, 141, 1753-1768.	1.0	14
171	Performance of the CORDEX–Africa regional climate simulations in representing the hydrological cycle of the Niger River basin. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12425-12444.	1.2	27
172	Interhemispheric Variability of Earth's Radiation. Journals of the Atmospheric Sciences, 2015, 72, 4615-4628.	0.6	5
173	Assessment of the upper–ocean mixed layer parameterizations using a large eddy simulation model. Journal of Geophysical Research: Oceans, 2015, 120, 2350-2369.	1.0	16
174	Vertical structure and physical processes of the Madden–Julian oscillation: Linking hindcast fidelity to simulated diabatic heating and moistening. Journal of Geophysical Research D: Atmospheres, 2015, 120, 4690-4717.	1.2	63
175	Tropospheric Biennial Oscillation (TBO) indistinguishable from white noise. Geophysical Research Letters, 2015, 42, 7785-7791.	1.5	15
176	Physical Mechanisms of Tropical Climate Feedbacks Investigated Using Temperature and Moisture Trends*. Journal of Climate, 2015, 28, 8968-8987.	1.2	10
177	Pan-spectral observing system simulation experiments of shortwave reflectance and long-wave radiance for climate model evaluation. Geoscientific Model Development, 2015, 8, 1943-1954.	1.3	13
178	Future climate and surface mass balance of Svalbard glaciers in an RCP8.5 climate scenario: a study with the regional climate model MAR forced by MIROC5. Cryosphere, 2015, 9, 945-956.	1.5	25
179	Climate Change-Induced Range Expansion of a Subterranean Rodent: Implications for Rangeland Management in Qinghai-Tibetan Plateau. PLoS ONE, 2015, 10, e0138969.	1.1	44
180	Ice supersaturation and the potential for contrail formation in a changing climate. Earth System Dynamics, 2015, 6, 555-568.	2.7	15
181	Improved Arctic sea ice thickness projections using bias-corrected CMIP5 simulations. Cryosphere, 2015, 9, 2237-2251.	1.5	34
182	Dynamically Downscaled Projections of Lake-Effect Snow in the Great Lakes Basin*,+. Journal of Climate, 2015, 28, 1661-1684.	1.2	83
183	Stable climate and surface mass balance in Svalbard over 1979–2013 despite the Arctic warming. Cryosphere, 2015, 9, 83-101.	1.5	50

#	Article	IF	Citations
185	An observational radiative constraint on hydrologic cycle intensification. Nature, 2015, 528, 249-253.	13.7	119
186	Connectivity between Historical Great Basin Precipitation and Pacific Ocean Variability: A CMIP5 Model Evaluation. Journal of Climate, 2015, 28, 6096-6112.	1.2	17
187	The EarthCARE Satellite: The Next Step Forward in Global Measurements of Clouds, Aerosols, Precipitation, and Radiation. Bulletin of the American Meteorological Society, 2015, 96, 1311-1332.	1.7	443
188	Dominance of the Southern Ocean in Anthropogenic Carbon and Heat Uptake in CMIP5 Models. Journal of Climate, 2015, 28, 862-886.	1.2	432
189	Predictability of Persistent Thailand Rainfall during the Mature Monsoon Season in 2011 Using Statistical Downscaling of CGCM Seasonal Prediction. Monthly Weather Review, 2015, 143, 1166-1178.	0.5	9
190	Weakening of the global atmospheric circulation with global warming. Climate Dynamics, 2015, 45, 975-988.	1.7	24
191	Evaluation of a high-resolution historical simulation over China: climatology and extremes. Climate Dynamics, 2015, 45, 2013-2031.	1.7	102
192	Incorporation of groundwater pumping in a global Land Surface Model with the representation of human impacts. Water Resources Research, 2015, 51, 78-96.	1.7	162
193	On the response of Indian summer monsoon to aerosol forcing in CMIP5 model simulations. Climate Dynamics, 2015, 45, 2949-2961.	1.7	53
194	Representative soil profiles for the Harmonized World Soil Database at different spatial resolutions for agricultural modelling applications. Agricultural Systems, 2015, 139, 93-99.	3.2	32
195	Exploratory analyses for the assessment of climate change impacts on the energy production in an Amazon run-of-river hydropower plant. Journal of Hydrology: Regional Studies, 2015, 4, 41-59.	1.0	51
196	Representation of African Easterly Waves in CMIP5 Models. Journal of Climate, 2015, 28, 7702-7715.	1.2	28
197	A Representative Democracy to Reduce Interdependency in a Multimodel Ensemble. Journal of Climate, 2015, 28, 5171-5194.	1.2	272
198	Why Does Aerosol Forcing Control Historical Global-Mean Surface Temperature Change in CMIP5 Models?. Journal of Climate, 2015, 28, 6608-6625.	1.2	44
199	New Perspectives on Observed and Simulated Antarctic Sea Ice Extent Trends Using Optimal Fingerprinting Techniques*. Journal of Climate, 2015, 28, 1543-1560.	1.2	42
200	Improvement of ENSO Simulation Based on Intermodel Diversity. Journal of Climate, 2015, 28, 998-1015.	1.2	56
201	Evaluation of Near-Surface Variables and the Vertical Structure of the Boundary Layer in CMIP5 Models. Journal of Climate, 2015, 28, 5233-5253.	1.2	18
202	Evaluating the Diurnal Cycle of Upper-Tropospheric Ice Clouds in Climate Models Using SMILES Observations. Journals of the Atmospheric Sciences, 2015, 72, 1022-1044.	0.6	35

#	ARTICLE	IF	CITATIONS
203	Parallel comparison of the northern winter stratospheric circulation in reanalysis and in CMIP5 models. Advances in Atmospheric Sciences, 2015, 32, 952-966.	1.9	29
204	A Systematic Relationship between the Representations of Convectively Coupled Equatorial Wave Activity and the Madden–Julian Oscillation in Climate Model Simulations. Journal of Climate, 2015, 28, 1881-1904.	1.2	29
205	Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact. Advances in Atmospheric Sciences, 2015, 32, 64-91.	1.9	223
206	Pacific Decadal Oscillation and its relation to the extratropical atmospheric variation in CMIP5. Climate Dynamics, 2015, 44, 1521-1540.	1.7	28
207	Identifying and removing structural biases in climate models with history matching. Climate Dynamics, 2015, 45, 1299-1324.	1.7	77
208	Rapid Adjustments of Cloud and Hydrological Cycle to Increasing CO2: a Review. Current Climate Change Reports, 2015, 1, 103-113.	2.8	44
209	Rethinking the Lower Bound on Aerosol Radiative Forcing. Journal of Climate, 2015, 28, 4794-4819.	1.2	175
210	Evaluation of Historical and Future Cool Season Precipitation over the Eastern United States and Western Atlantic Storm Track Using CMIP5 Models. Journal of Climate, 2015, 28, 451-467.	1.2	16
211	Predictability of Two Types of El Niño Assessed Using an Extended Seasonal Prediction System by MIROC. Monthly Weather Review, 2015, 143, 4597-4617.	0.5	33
212	Evaluation of the Warm Rain Formation Process in Global Models with Satellite Observations. Journals of the Atmospheric Sciences, 2015, 72, 3996-4014.	0.6	79
213	Bias Correction of GCM Precipitation by Quantile Mapping: How Well Do Methods Preserve Changes in Quantiles and Extremes?. Journal of Climate, 2015, 28, 6938-6959.	1.2	743
214	AgMIP Climate Data and Scenarios for Integrated Assessment. ICP Series on Climate Change Impacts, Adaptation, and Mitigation, 2015, , 45-78.	0.4	31
215	Precipitation in the Karakoram-Himalaya: a CMIP5 view. Climate Dynamics, 2015, 45, 21-45.	1.7	86
216	The diurnal cycle of marine cloud feedback in climate models. Climate Dynamics, 2015, 44, 1419-1436.	1.7	18
217	Using aquaplanets to understand the robust responses of comprehensive climate models to forcing. Climate Dynamics, 2015, 44, 1957-1977.	1.7	79
218	The diurnal temperature range in the CMIP5 models. Climate Dynamics, 2015, 44, 405-421.	1.7	83
219	Effects of extratropical warming on ENSO amplitudes in an ensemble of a coupled GCM. Climate Dynamics, 2015, 44, 679-693.	1.7	4
221	Risk of large-scale fires in boreal forests of Finland under changing climate. Natural Hazards and Earth System Sciences, 2016, 16, 239-253.	1.5	46

#	Article	IF	Citations
222	A land surface model combined with a crop growth model for paddy rice (MATCRO-Rice v.Â1) â€" PartÂ1: Model description. Geoscientific Model Development, 2016, 9, 4133-4154.	1.3	22
223	Quantitative assessment of AOD from 17 CMIP5 models based on satellite-derived AOD over India. Annales Geophysicae, 2016, 34, 657-671.	0.6	14
227	Sustainability of water uses in managed hydrosystems: human- and climate-induced changes for the mid-21st century. Hydrology and Earth System Sciences, 2016, 20, 3129-3147.	1.9	12
228	Quantifying the impacts of land surface schemes and dynamic vegetation on the model dependency of projected changes in surface energy and water budgets. Journal of Advances in Modeling Earth Systems, 2016, 8, 370-386.	1.3	23
229	A Persistent Japanese Heat Wave in Early August 2015: Roles of Natural Variability and Human-Induced Warming. Bulletin of the American Meteorological Society, 2016, 97, S107-S112.	1.7	6
230	The Late Onset of the 2015 Wet Season in Nigeria. Bulletin of the American Meteorological Society, 2016, 97, S63-S69.	1.7	8
232	The darkening of the Greenland ice sheet: trends, drivers, and projections (1981â€"2100). Cryosphere, 2016, 10, 477-496.	1.5	152
233	The Arctic Predictability and Prediction on Seasonal-to-Interannual TimEscales (APPOSITE) data set versionÂ1. Geoscientific Model Development, 2016, 9, 2255-2270.	1.3	26
234	Effect of soil property uncertainties on permafrost thaw projections: a calibration-constrained analysis. Cryosphere, 2016, 10, 341-358.	1.5	33
235	Projecting Future Change in Growing Degree Days for Winter Wheat. Agriculture (Switzerland), 2016, 6, 47.	1.4	10
236	Modeling of Soybean under Present and Future Climates in Mozambique. Climate, 2016, 4, 31.	1.2	5
238	Heavy snow loads in Finnish forests respond regionally asymmetrically to projected climate change. Natural Hazards and Earth System Sciences, 2016, 16, 2259-2271.	1.5	41
239	Modeling Soil Salinity in Greenhouse Cultivations Under a Changing Climate With SALTMED. Soil Science, 2016, 181, 241-251.	0.9	17
240	Climate-Induced Shifts in Global Soil Temperature Regimes. Soil Science, 2016, 181, 264-272.	0.9	22
241	Will the Tibetan Plateau warming depend on elevation in the future?. Journal of Geophysical Research D: Atmospheres, 2016, 121, 3969-3978.	1.2	75
242	A review of recent changes in Southern Ocean sea ice, their drivers and forcings. Global and Planetary Change, 2016, 143, 228-250.	1.6	202
243	Multiyear climate prediction with initialization based on 4Dâ€'Var data assimilation. Geophysical Research Letters, 2016, 43, 3903-3910.	1.5	22
244	Using qflux to constrain modeled Congo Basin rainfall in the CMIP5 ensemble. Journal of Geophysical Research D: Atmospheres, 2016, 121, 13,415.	1.2	37

#	Article	IF	Citations
245	The tropical rain belts with an annual cycle and a continent model intercomparison project: TRACMIP. Journal of Advances in Modeling Earth Systems, 2016, 8, 1868-1891.	1.3	47
246	CMIP5 permafrost degradation projection:A comparison among different regions. Journal of Geophysical Research D: Atmospheres, 2016, 121, 4499-4517.	1.2	106
247	Global warming without global mean precipitation increase?. Science Advances, 2016, 2, e1501572.	4.7	51
248	Explaining Extreme Events of 2015 from a Climate Perspective. Bulletin of the American Meteorological Society, 2016, 97, S1-S145.	1.7	85
249	Assessment of RCM and urban scenarios uncertainties in the climate projections for August in the 2050s in Tokyo. Climatic Change, 2016, 137, 427-438.	1.7	42
250	Antarctic and Southern Ocean Surface Temperatures in CMIP5 Models in the Context of the Surface Energy Budget*. Journal of Climate, 2016, 29, 1689-1716.	1.2	29
251	Response of the endangered tropical dry forests to climate change and the role of Mexican Protected Areas for their conservation. Global Change Biology, 2016, 22, 364-379.	4.2	96
252	Future freshwater stress for island populations. Nature Climate Change, 2016, 6, 720-725.	8.1	49
253	Defining drought in the context of stream health. Ecological Engineering, 2016, 94, 668-681.	1.6	11
254	Increased Atmospheric CO_2 Growth Rate during El Niño Driven by Reduced Terrestrial Productivity in the CMIP5 ESMs. Journal of Climate, 2016, 29, 8783-8805.	1.2	40
255	Sea ice decline and 21st century trans‐Arctic shipping routes. Geophysical Research Letters, 2016, 43, 9720-9728.	1.5	255
256	Estimation of excess mortality due to long-term exposure to PM2.5 in Japan using a high-resolution model for present and future scenarios. Atmospheric Environment, 2016, 140, 320-332.	1.9	38
257	Bayesian Optimization of the Community Land Model Simulated Biosphere–Atmosphere Exchange using CO_2 Observations from a Dense Tower Network and Aircraft Campaigns over Oregon. Earth Interactions, 2016, 20, 1-35.	0.7	5
258	Insights from a refined decomposition of cloud feedbacks. Geophysical Research Letters, 2016, 43, 9259-9269.	1.5	134
259	5-Day-Wave Interactions with Tropical Precipitation in CMIP5 Models. Journal of Climate, 2016, 29, 8611-8624.	1.2	2
260	Comparison of Two Temperature-Based Methods of Estimating Potential Evapotranspiration (PET) in Texas. , 2016, , .		2
261	Climate constrains range expansion of an allochronic population of the pine processionary moth. Diversity and Distributions, 2016, 22, 1288-1300.	1.9	17
262	Considering the radiative effects of snow on tropical Pacific Ocean radiative heating profiles in contemporary GCMs using A‐Train observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1621-1636.	1.2	26

#	ARTICLE	IF	CITATIONS
263	Lower-Tropospheric Mixing as a Constraint on Cloud Feedback in a Multiparameter Multiphysics Ensemble. Journal of Climate, 2016, 29, 6259-6275.	1.2	23
264	Constraining the low‐cloud optical depth feedback at middle and high latitudes using satellite observations. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9696-9716.	1.2	57
265	Detectability of change in winter precipitation within mountain landscapes: Spatial patterns and uncertainty. Water Resources Research, 2016, 52, 4301-4320.	1.7	11
266	Use of molecular and environmental analyses for integrated in situ and ex situ conservation: The case of the Mexican prairie dog. Biological Conservation, 2016, 204, 284-295.	1.9	9
267	Century‐scale perspectives on observed and simulated <scp>S</scp>outhern <scp>O</scp>cean sea ice trends from proxy reconstructions. Journal of Geophysical Research: Oceans, 2016, 121, 7804-7818.	1.0	4
268	Multidecadal Modulation of ENSO Teleconnection with Europe in Late Winter: Analysis of CMIP5 Models. Journal of Climate, 2016, 29, 8067-8081.	1.2	12
269	An Assessment of Future Southern Hemisphere Blocking Using CMIP5 Projections from Four GCMs. Journal of Climate, 2016, 29, 7599-7611.	1.2	17
270	Disruptions in precipitation cycles: Attribution to anthropogenic forcing. Journal of Geophysical Research D: Atmospheres, 2016, 121, 2161-2177.	1.2	11
271	Global and regional radiative forcing from 20∼% reductions in BC, OC and SO&lt;sub&gt;4&lt;/sub&gt; â€" an HTAP2 multi-model study. Atmospheric Chemistry and Physics, 2016, 16, 13579-13599.	1.9	42
272	On the characteristics of aerosol indirect effect based on dynamic regimes in global climate models. Atmospheric Chemistry and Physics, 2016, 16, 2765-2783.	1.9	67
273	Predictability of the Arctic sea ice edge. Geophysical Research Letters, 2016, 43, 1642-1650.	1.5	95
274	The source of discrepancies in aerosol–cloud–precipitation interactions between GCM and A-Train retrievals. Atmospheric Chemistry and Physics, 2016, 16, 15413-15424.	1.9	66
275	Effect of retreating sea ice on Arctic cloud cover in simulated recent global warming. Atmospheric Chemistry and Physics, 2016, 16, 14343-14356.	1.9	32
276	Active Role of the ITCZ and WES Feedback in Hampering the Growth of the Expected Full-Fledged El Niño in 2014. Scientific Online Letters on the Atmosphere, 2016, 12, 17-21.	0.6	10
277	AN EVENT ATTRIBUTION OF THE 2012 AMAZON FLOOD. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2016, 72, I_1-I_6.	0.1	0
278	IMPACT ASSESSMENT OF HIGH RESOLUTION RIVER INUNDATION PROCESSES IN A CLIMATE MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2016, 72, I_115-I_120.	0.0	0
279	Is there a robust effect of anthropogenic aerosols on the Southern Annular Mode?. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,029-10,042.	1.2	8
280	Investigating the spread in surface albedo for snow‐covered forests in CMIP5 models. Journal of Geophysical Research D: Atmospheres, 2016, 121, 1104-1119.	1.2	43

#	Article	IF	Citations
281	South Pacific influence on the termination of El NiÃ±o in 2014. Scientific Reports, 2016, 6, 30341.	1.6	21
282	Evaluation of historical and future simulations of precipitation and temperature in central Africa from CMIP5 climate models. Journal of Geophysical Research D: Atmospheres, 2016, 121, 130-152.	1.2	116
283	Predicting the distributions of predator (snow leopard) and prey (blue sheep) under climate change in the Himalaya. Ecology and Evolution, 2016, 6, 4065-4075.	0.8	100
284	Evaluation of Empirical Statistical Downscaling Modelsâ€™ Skill in Predicting Tanzanian Rainfall and Their Application in Providing Future Downscaled Scenarios. Journal of Climate, 2016, 29, 3231-3252.	1.2	13
285	Summer U.S. Surface Air Temperature Variability: Controlling Factors and AMIP Simulation Biases. Journal of Climate, 2016, 29, 5123-5139.	1.2	26
286	Future typhoon and storm surges under different global warming scenarios: case study of typhoon Haiyan (2013). Natural Hazards, 2016, 82, 1645-1681.	1.6	62
287	Long-lead ENSO predictability from CMIP5 decadal hindcasts. Climate Dynamics, 2016, 46, 3127-3147.	1.7	28
288	What are the implications of climate change for trans-Atlantic aircraft routing and flight time?. Transportation Research, Part D: Transport and Environment, 2016, 47, 44-53.	3.2	26
289	Land-use and sustainability under intersecting global change and domestic policy scenarios: Trajectories for Australia to 2050. Global Environmental Change, 2016, 38, 130-152.	3.6	85
290	Evaluation of precipitation and temperature simulation performance of the CMIP3 and CMIP5 historical experiments. Climate Dynamics, 2016, 47, 1881-1898.	1.7	78
291	Global tsunami simulation using a grid rotation transformation in a latitudeâ€"longitude coordinate system. Natural Hazards, 2016, 80, 759-773.	1.6	4
292	The Climateâ€system Historical Forecast Project: do stratosphereâ€resolving models make better seasonal climate predictions in boreal winter?. Quarterly Journal of the Royal Meteorological Society, 2016, 142, 1413-1427.	1.0	91
293	An Energy Conservation Analysis of Ocean Drift in the CMIP5 Global Coupled Models*. Journal of Climate, 2016, 29, 1639-1653.	1.2	65
294	NAO and PNA influences on winter temperature and precipitation over the eastern United States in CMIP5 GCMs. Climate Dynamics, 2016, 46, 1257-1276.	1.7	58
295	Climate change and electricity demand in Brazil: A stochastic approach. Energy, 2016, 102, 596-604.	4.5	48
296	Current and future precipitation extremes over Mississippi and Yangtze River basins as simulated in CMIP5 models. Journal of Earth Science (Wuhan, China), 2016, 27, 22-36.	1.1	26
297	Impact assessment of coastal hazards due to future changes of tropical cyclones in the North Pacific Ocean. Weather and Climate Extremes, 2016, 11, 53-69.	1.6	89
298	Tropical Temperature and Precipitation Responses to Large Volcanic Eruptions: Observations and AMIP5 Simulations. Journal of Climate, 2016, 29, 1325-1338.	1.2	3

#	ARTICLE	IF	CITATIONS
299	21st century drought outlook for major climate divisions of Texas based on CMIP5 multimodel ensemble: Implications for water resource management. Journal of Hydrology, 2016, 534, 300-316.	2.3	97
300	Further Insights on the Influence of the Indian Ocean Dipole on the Following Year's ENSO from Observations and CMIP5 Models. Journal of Climate, 2016, 29, 637-658.	1.2	42
301	Challenges in constraining anthropogenic aerosol effects on cloud radiative forcing using present-day spatiotemporal variability. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 5804-5811.	3.3	120
302	Amplification of El Niño by cloud longwave coupling to atmospheric circulation. Nature Geoscience, 2016, 9, 106-110.	5.4	70
303	Understanding the Intermodel Spread in Global-Mean Hydrological Sensitivity*. Journal of Climate, 2016, 29, 801-817.	1.2	79
304	Multi-model ensemble analysis of Pacific and Atlantic SST variability in unperturbed climate simulations. Climate Dynamics, 2016, 47, 1073-1090.	1.7	8
305	Evaluation of 22 Precipitation and 23 Soil Moisture Products over a Semiarid Area in Southeastern Arizona*. Journal of Hydrometeorology, 2016, 17, 211-230.	0.7	22
306	Shallowness of tropical low clouds as a predictor of climate models' response to warming. Climate Dynamics, 2016, 47, 433-449.	1.7	92
307	Predictability of the tropospheric circulation in the Southern Hemisphere from CHFP models. Climate Dynamics, 2016, 46, 2423-2434.	1.7	9
308	Can significant trends be detected in surface air temperature and precipitation over South America in recent decades?. International Journal of Climatology, 2017, 37, 1483-1493.	1.5	69
309	Extended predictor screening, application and added value of statistical downscaling of a CMIP5 ensemble for single-site projections in Distrito Federal, Brazil. International Journal of Climatology, 2017, 37, 46-65.	1.5	10
310	Response of the North Pacific Tropical Cyclone Climatology to Global Warming: Application of Dynamical Downscaling to CMIP5 Models. Journal of Climate, 2017, 30, 1233-1243.	1.2	43
311	Management options for rainfed chickpea (Cicer arietinum L.) in northeast Ethiopia under climate change condition. Climate Risk Management, 2017, 16, 222-233.	1.5	27
312	Impacts of a Pinatubo-size volcanic eruption on ENSO. Journal of Geophysical Research D: Atmospheres, 2017, 122, 925-947.	1.2	76
313	Benchmarking CMIP5 models with a subset of ESA CCI Phase 2 data using the ESMValTool. Remote Sensing of Environment, 2017, 203, 9-39.	4.6	34
314	Representation of Arctic Moist Intrusions in CMIP5 Models and Implications for Winter Climate Biases. Journal of Climate, 2017, 30, 4083-4102.	1.2	23
315	Land–Ocean Shifts in Tropical Precipitation Linked to Surface Temperature and Humidity Change. Journal of Climate, 2017, 30, 4527-4545.	1.2	20
316	Analysis of Precipitation Projections over the Climate Gradient of the Arkansas Red River Basin. Journal of Applied Meteorology and Climatology, 2017, 56, 1325-1336.	0.6	13

#	ARTICLE	IF	CITATIONS
317	Impacts of land use changes from the Hanoi Master Plan 2030 on urban heat islands: Part 2. Influence of global warming. Sustainable Cities and Society, 2017, 31, 95-108.	5.1	36
318	An assessment of climate change impacts on maize yields in Hebei Province of China. Science of the Total Environment, 2017, 581-582, 507-517.	3.9	20
319	Are the Central Andes Mountains a Warming Hot Spot?. Journal of Climate, 2017, 30, 3589-3608.	1.2	19
320	Impacts of oak pollen on allergic asthma in the United States and potential influence of future climate change. GeoHealth, 2017, 1, 80-92.	1.9	42
321	Twentieth century ENSO-related precipitation mean states in twentieth century reanalysis, reconstructed precipitation and CMIP5 models. Climate Dynamics, 2017, 48, 3061-3083.	1.7	8
322	Permafrost degradation and associated ground settlement estimation under 2â€‰Â°C global warming. Climate Dynamics, 2017, 49, 2569-2583.	1.7	33
323	Spatiotemporal change and trend analysis of potential evapotranspiration over the Loess Plateau of China during 2011â€"2100. Agricultural and Forest Meteorology, 2017, 233, 183-194.	1.9	179
324	Why Do Global Climate Models Struggle to Represent Low-Level Clouds in the West African Summer Monsoon?. Journal of Climate, 2017, 30, 1665-1687.	1.2	56
325	Internal variability in simulated and observed tropical tropospheric temperature trends. Geophysical Research Letters, 2017, 44, 5709-5719.	1.5	28
326	Uncertainties in Future Projections of Summer Droughts and Heat Waves over the Contiguous United States. Journal of Climate, 2017, 30, 6225-6246.	1.2	34
327	Connecting today's climates to future climate analogs to facilitate movement of species under climate change. Conservation Biology, 2017, 31, 1397-1408.	2.4	82
328	The postâ€'2002 global surface warming slowdown caused by the subtropical Southern Ocean heating acceleration. Geophysical Research Letters, 2017, 44, 3319-3327.	1.5	10
329	Projected changes in surface solar radiation in CMIP5 global climate models and in EURO-CORDEX regional climate models for Europe. Climate Dynamics, 2017, 49, 2665-2683.	1.7	82
330	Saharan Heat Low Biases in CMIP5 Models. Journal of Climate, 2017, 30, 2867-2884.	1.2	15
331	The Climate-System Historical Forecast Project: Providing Open Access to Seasonal Forecast Ensembles from Centers around the Globe. Bulletin of the American Meteorological Society, 2017, 98, 2293-2301.	1.7	41
332	Modeling Seasonal Sudden Stratospheric Warming Climatology Based on Polar Vortex Statistics. Journal of Climate, 2017, 30, 10101-10116.	1.2	16
333	Impact of Arctic Wetlands on the Climate System: Model Sensitivity Simulations with the MIROC5 AGCM and a Snow-Fed Wetland Scheme. Journal of Hydrometeorology, 2017, 18, 2923-2936.	0.7	18
334	Modelling a storm surge under future climate scenarios: case study of extratropical cyclone Gudrun (2005). Natural Hazards, 2017, 89, 1119-1144.	1.6	18

#	ARTICLE	IF	CITATIONS
335	Assessment of Cross-Sectoral Damage from Water Deficits under Changing Climate and Regional Development in Nan River Basin, Thailand. , 2017, , .		2
336	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
337	Evaluating Model Simulations of Twentieth-Century Sea-Level Rise. Part II: Regional Sea-Level Changes. Journal of Climate, 2017, 30, 8565-8593.	1.2	57
338	Identifying best crop management practices for chickpea (Cicer arietinum L.) in Northeastern Ethiopia under climate change condition. Agricultural Water Management, 2017, 194, 68-77.	2.4	16
339	A Statistical Bias Correction Tool for Generating Climate Change Scenarios in Indonesia based on CMIP5 Datasets. IOP Conference Series: Earth and Environmental Science, 2017, 58, 012051.	0.2	2
340	SST Ensemble Experiment-Based Impact Assessment of Climate Change on Storm Surge Caused by Pseudo-Global Warming: Case Study of Typhoon Vera in 1959. Coastal Engineering Journal, 2017, 59, 1740002-1-1740002-20.	0.7	12
341	MJO Propagation Shaped by Zonal Asymmetric Structures: Results from 24 GCM Simulations. Journal of Climate, 2017, 30, 7933-7952.	1.2	39
342	Evaluating Model Simulations of Twentieth-Century Sea Level Rise. Part I: Global Mean Sea Level Change. Journal of Climate, 2017, 30, 8539-8563.	1.2	64
343	Stochastic Modeling of Road System Performance during Multihazard Events: Flash Floods and Earthquakes. Journal of Infrastructure Systems, 2017, 23, .	1.0	24
344	An Assessment of Climate Change Impacts on Future Water Availability and Droughts in the Kentucky River Basin. Environmental Processes, 2017, 4, 477-507.	1.7	35
345	Bridging the gap between climate science and regional-scale biodiversity conservation in south-eastern Australia. Ecological Modelling, 2017, 360, 343-362.	1.2	13
346	Evaluation of Cloud Liquid Water Path Trends Using a Multidecadal Record of Passive Microwave Observations. Journal of Climate, 2017, 30, 5871-5884.	1.2	20
347	Seasonal predictability of Kiremt rainfall in coupled general circulation models. Environmental Research Letters, 2017, 12, 114016.	2.2	30
348	Impacts of Land use Changes on Urban Heat Islands in Hanoi, Vietnam: Scenario Analysis. Procedia Engineering, 2017, 198, 525-529.	1.2	6
349	Insights into elevation-dependent warming in the Tibetan Plateau-Himalayas from CMIP5 model simulations. Climate Dynamics, 2017, 48, 3991-4008.	1.7	90
350	Interannual and low-frequency variability of Upper Indus Basin winter/spring precipitation in observations and CMIP5 models. Climate Dynamics, 2017, 49, 4171-4188.	1.7	6
351	Modeling the Impact of Climate Change on Low Flows in Xiangjiang River Basin with Bayesian Averaging Method. Journal of Hydrologic Engineering - ASCE, 2017, 22, .	0.8	6
352	Atmospheric Responses and Feedback to the Meridional Ocean Heat Transport in the North Pacific. Journal of Climate, 2017, 30, 5715-5728.	1.2	2

#	Article	IF	Citations
353	Climate change and the long-term viability of the World's busiest heavy haul ice road. Theoretical and Applied Climatology, 2017, 129, 1089-1108.	1.3	42
354	Modeled ecohydrological responses to climate change at seven small watersheds in the northeastern United States. Global Change Biology, 2017, 23, 840-856.	4.2	30
355	The effect of the pathway to a two degrees warmer world on the regional temperature change of Europe. Climate Services, 2017, 7, 3-11.	1.0	17
356	Understanding the double peaked El Niño in coupled GCMs. Climate Dynamics, 2017, 48, 2045-2063.	1.7	28
357	Contrasting seasonal responses of sulfate aerosols to declining SO_2 emissions in the Eastern U.S.: Implications for the efficacy of SO_2 emission controls. Geophysical Research Letters, 2017, 44, 455-464.	1.5	40
358	Climate predictability and prediction skill on seasonal time scales over South America from CHFP models. Climate Dynamics, 2017, 49, 2365-2383.	1.7	19
359	Shortwave and longwave radiative forcings of aerosols depending on the vertical stratification of aerosols and clouds. AIP Conference Proceedings, 2017, , .	0.3	0
360	PDRMIP: A Precipitation Driver and Response Model Intercomparison Project—Protocol and Preliminary Results. Bulletin of the American Meteorological Society, 2017, 98, 1185-1198.	1.7	116
361	Population of the temperate mosquito, *Culex pipiens*, decreases in response to habitat climatological changes in future. GeoHealth, 2017, 1, 196-210.	1.9	6
362	A Multimodel Study on Warm Precipitation Biases in Global Models Compared to Satellite Observations. Journal of Geophysical Research D: Atmospheres, 2017, 122, 11,806.	1.2	34
363	Validation of high-resolution aerosol optical thickness simulated by a global non-hydrostatic model against remote sensing measurements. , 2017, , .		2
364	Accuracy of Global Upper Ocean Heat Content Estimation Expected from Present Observational Data Sets. Scientific Online Letters on the Atmosphere, 2017, 13, 163-167.	0.6	121
365	Effectiveness and limitations of parameter tuning in reducing biases of top-of-atmosphere radiation and clouds in MIROC version 5. Geoscientific Model Development, 2017, 10, 4647-4664.	1.3	10
366	On the importance of the albedo parameterization for the mass balance of the Greenland ice sheet in EC-Earth. Cryosphere, 2017, 11, 1949-1965.	1.5	14
367	ASoP (v1.0): a set of methods for analyzing scales of precipitation in general circulation models. Geoscientific Model Development, 2017, 10, 57-83.	1.3	44
368	Review of the global models used within phase 1 of the Chemistry–Climate Model Initiative (CCMI). Geoscientific Model Development, 2017, 10, 639-671.	1.3	277
369	Dust load and rainfall characteristics and their relationship over the South Asian monsoon region under various warming scenarios. Journal of Geophysical Research D: Atmospheres, 2017, 122, 7896-7921.	1.2	17
370	Contemporary and Future Characteristics of Precipitation Indices in the Kentucky River Basin. Water (Switzerland), 2017, 9, 109.	1.2	6

#	Article	IF	Citations
371	Future Projection with an Extreme-Learning Machine and Support Vector Regression of Reference Evapotranspiration in a Mountainous Inland Watershed in North-West China. Water (Switzerland), 2017, 9, 880.	1.2	33
372	Projections of Future Suitable Bioclimatic Conditions of Parthenogenetic Whiptails. Climate, 2017, 5, 34.	1.2	3
373	Assessment of Climate Change and Atmospheric CO2 Impact on Winter Wheat in the Pacific Northwest Using a Multimodel Ensemble. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	23
374	Assessing the impacts of 1.5â€˜Â°C global warming â€" simulation protocol of the Inter-Sectoral Impact Model Intercomparison Project (ISIMIP2b). Geoscientific Model Development, 2017, 10, 4321-4345.	1.3	410
375	Downscaling Global Emissions and Its Implications Derived from Climate Model Experiments. PLoS ONE, 2017, 12, e0169733.	1.1	15
376	Potential worldwide distribution of Fusarium dry root rot in common beans based on the optimal environment for disease occurrence. PLoS ONE, 2017, 12, e0187770.	1.1	17
377	Which climate change path are we following? Bad news from Scots pine. PLoS ONE, 2017, 12, e0189468.	1.1	18
378	Development and evaluation of a system of proxy data assimilation for paleoclimate reconstruction. Climate of the Past, 2017, 13, 379-393.	1.3	25
380	Interactions between Antarctic sea ice and large-scale atmospheric modes in CMIP5 models. Cryosphere, 2017, 11, 789-803.	1.5	12
382	Towards More Comprehensive Projections of Urban Heat-Related Mortality: Estimates for New York City under Multiple Population, Adaptation, and Climate Scenarios. Environmental Health Perspectives, 2017, 125, 47-55.	2.8	71
383	The influence of El NiÃ±oâ€"Southern Oscillation regimes on eastern African vegetation and its future implications under the RCP8.5 warming scenario. Biogeosciences, 2017, 14, 4355-4374.	1.3	30
384	Expansion of the Lyme Disease Vector <i>Ixodes Scapularis</i> in Canada Inferred from CMIP5 Climate Projections. Environmental Health Perspectives, 2017, 125, 057008.	2.8	54
385	Impacts of climate mitigation strategies in the energy sector on global land use and carbon balance. Earth System Dynamics, 2017, 8, 773-799.	2.7	3
387	Omens of coupled model biases in the CMIP5 AMIP simulations. Climate Dynamics, 2018, 51, 2927-2941.	1.7	13
388	Interdependency in Multimodel Climate Projections: Component Replication and Result Similarity. Geophysical Research Letters, 2018, 45, 2771-2779.	1.5	38
389	Projected Changes in the Asianâ€Australian Monsoon Region in 1.5Â°C and 2.0Â°C Globalâ€Warming Scenarios. Earth's Future, 2018, 6, 339-358.	2.4	65
390	Future climate and habitat distribution of Himalayan Musk Deer (Moschus chrysogaster). Ecological Informatics, 2018, 44, 101-108.	2.3	29
391	Aerosol effects on cloud water amounts were successfully simulated by a global cloud-system resolving model. Nature Communications, 2018, 9, 985.	5.8	73

#	Article	IF	Citations
392	A PDRMIP Multimodel Study on the Impacts of Regional Aerosol Forcings on Global and Regional Precipitation. Journal of Climate, 2018, 31, 4429-4447.	1.2	83
393	Contrasting responses of generalized/specialized mistletoe-host interactions under climate change. Ecoscience, 2018, 25, 223-234.	0.6	5
394	Discrepancies with satellite observations in the spatial structure of global precipitation as derived from global climate models. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 419-435.	1.0	9
395	Effects of the Nonâ€breaking Surface Waveâ€induced Vertical Mixing on Winter Mixed Layer Depth in Subtropical Regions. Journal of Geophysical Research: Oceans, 2018, 123, 2934-2944.	1.0	17
396	Human Footprint Affects US Carbon Balance More Than Climate Change. , 2018, , 369-385.		0
397	Adaptation strategies to lessen negative impact of climate change on grain maize under hot climatic conditions: A model-based assessment. Agricultural and Forest Meteorology, 2018, 253-254, 1-14.	1.9	41
398	Evaluation of Precipitation From EUROâ€CORDEX Regional Climate Simulations in a Smallâ€Scale Mediterranean Site. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1604-1625.	1.2	28
399	Genetic Differentiation and Fragmentation in Response to Climate Change of the Narrow Endemic<i>Psittacanthus auriculatus</i>. Tropical Conservation Science, 2018, 11, 194008291875551.	0.6	13
400	The physical processes causing nocturnal rainfall over northwest Australia and their representation in highâ€and lowâ€resolution models with parametrized convection. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 511-528.	1.0	0
401	Evaluation of CMIP5 retrospective simulations of temperature and precipitation in northeastern Argentina. International Journal of Climatology, 2018, 38, e1158.	1.5	45
402	Linear and Nonlinear Hydrological Cycle Responses to Increasing Sea Surface Temperature. Geophysical Research Letters, 2018, 45, 1551-1558.	1.5	0
403	Invasive alien plant species dynamics in the Himalayan region under climate change. Ambio, 2018, 47, 697-710.	2.8	117
404	The atmospheric hydrologic cycle in the ACME v0.3 model. Climate Dynamics, 2018, 50, 3251-3279.	1.7	31
405	Forest response to rising CO2 drives zonally asymmetric rainfall change over tropical land. Nature Climate Change, 2018, 8, 434-440.	8.1	80
406	Dynamics-oriented diagnostics for the Madden-Julian Oscillation. Journal of Climate, 2018, , .	1.2	12
407	Evaluation of Relationships between Subtropical Marine Low Stratiform Cloudiness and Estimated Inversion Strength in CMIP5 Models Using the Satellite Simulator Package COSP. Scientific Online Letters on the Atmosphere, 2018, 14, 25-32.	0.6	6
408	Quantify contribution of aerosol errors to cloud fraction biases in CMIP5 Atmospheric Model Intercomparison Project simulations. International Journal of Climatology, 2018, 38, 3140-3156.	1.5	17
409	The Impact of Parameterized Convection on Climatological Precipitation in Atmospheric Global Climate Models. Geophysical Research Letters, 2018, 45, 3728-3736.	1.5	26

#	ARTICLE	IF	CITATIONS
410	Dynamical Core in Atmospheric Model Does Matter in the Simulation of Arctic Climate. Geophysical Research Letters, 2018, 45, 2805-2814.	1.5	11
411	Geographic segmentation, spatial dependencies, and evaluation of the relative position of rain-gauges based on gridded data of mean monthly precipitation: application in Nigeria. Hydrology Research, 2018, 49, 107-122.	1.1	3
412	Variability in modeled cloud feedback tied to differences in the climatological spatial pattern of clouds. Climate Dynamics, 2018, 50, 1209-1220.	1.7	16
413	Assessment of CMIP5 historical simulations of rainfall over Southeast Asia. Theoretical and Applied Climatology, 2018, 132, 989-1002.	1.3	38
414	Effect of projected climate change on the hydrological regime of the Yangtze River Basin, China. Stochastic Environmental Research and Risk Assessment, 2018, 32, 1-16.	1.9	45
415	On the dust load and rainfall relationship in South Asia: an analysis from CMIP5. Climate Dynamics, 2018, 50, 403-422.	1.7	13
416	An aftereffect of global warming on tropical Pacific decadal variability. Journal of Oceanology and Limnology, 2018, 36, 193-204.	0.6	1
417	A global analysis of residential heating and cooling service demand and cost-effective energy consumption under different climate change scenarios up to 2050. Mitigation and Adaptation Strategies for Global Change, 2018, 23, 51-79.	1.0	34
418	Assessment of climate change trends over the Loess Plateau in China from 1901 to 2100. International Journal of Climatology, 2018, 38, 2250-2264.	1.5	94
419	Evaluation of GCMs historical simulations of monthly and seasonal climatology over Bolivia. Climate Dynamics, 2018, 51, 733-754.	1.7	7
420	Projecting present and future habitat suitability of ship-mediated aquatic invasive species in the Canadian Arctic. Biological Invasions, 2018, 20, 501-517.	1.2	66
421	How well do CMIP5 models simulate the low-level jet in western Colombia?. Climate Dynamics, 2018, 51, 2247-2265.	1.7	21
422	Influence of glacial ice sheets on the Atlantic meridional overturning circulation through surface wind change. Climate Dynamics, 2018, 50, 2881-2903.	1.7	36
423	Decadal analysis of impact of future climate on wheat production in dry Mediterranean environment: A case of Jordan. Science of the Total Environment, 2018, 610-611, 219-233.	3.9	28
425	Quantifying uncertainty from aerosol and atmospheric parameters and their impact on climate sensitivity. Atmospheric Chemistry and Physics, 2018, 18, 17529-17543.	1.9	9
426	Climate Change to Offset Improvements in Watershed Acidâ€Base Status Provided by Clean Air Act and Amendments: A Model Application in Shenandoah National Park, Virginia. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2863-2877.	1.3	7
427	Changes in European wind energy generation potential within a 1.5â€°Â°C warmer world. Environmental Research Letters, 2018, 13, 054032.	2.2	31
429	21st Century Seaâ€Level Rise in Line with the Paris Accord. Earth's Future, 2018, 6, 213-229.	2.4	45

#	ARTICLE	IF	CITATIONS
430	Insensitivity of the Cloud Response to Surface Warming Under Radical Changes to Boundary Layer Turbulence and Cloud Microphysics: Results From the Ultraparameterized CAM. Journal of Advances in Modeling Earth Systems, 2018, 10, 3139-3158.	1.3	20
431	Spatial Assessment of Water Use Efficiency (SDG Indicator 6.4.1) for Regional Policy Support. Frontiers in Environmental Science, 2018, 6, .	1.5	16
432	Dynamical response of Mediterranean precipitation to greenhouse gases and aerosols. Atmospheric Chemistry and Physics, 2018, 18, 8439-8452.	1.9	40
434	Evaluation of Coupled Model Intercomparison Project Phase 5 historical simulations in the Colorado River basin. International Journal of Climatology, 2018, 38, 3861-3877.	1.5	14
435	OBSOLETE: Human Footprint Affects US Carbon Balance More Than Climate Change. , 2018, , .		0
436	Study on Water Suitability of Apple Plantations in the Loess Plateau under Climate Change. International Journal of Environmental Research and Public Health, 2018, 15, 2504.	1.2	7
438	Changes in Marine Fog Over the North Pacific Under Different Climates in CMIP5 Multimodel Simulations. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,911.	1.2	5
440	The Fast Response of the Tropical Circulation to CO_2 Forcing. Journal of Climate, 2018, 31, 9903-9920.	1.2	10
441	Global Agricultural Trade Pattern in A Warming World: Regional Realities. Sustainability, 2018, 10, 2763.	1.6	5
442	Ratooning as an adaptive management tool for climatic change in rice systems along a north-south transect in the southern Mississippi valley. Agricultural and Forest Meteorology, 2018, 263, 409-416.	1.9	25
443	Extreme Landfalling Atmospheric River Events in Arizona: Possible Future Changes. Journal of Geophysical Research D: Atmospheres, 2018, 123, 7076-7097.	1.2	12
444	Weakening of Nonlinear ENSO Under Global Warming. Geophysical Research Letters, 2018, 45, 8557-8567.	1.5	26
445	How Well Are Clouds Simulated over Greenland in Climate Models? Consequences for the Surface Cloud Radiative Effect over the Ice Sheet. Journal of Climate, 2018, 31, 9293-9312.	1.2	12
446	Short Warm-Side Temperature Distribution Tails Drive Hot Spots of Warm Temperature Extreme Increases under Near-Future Warming. Journal of Climate, 2018, 31, 9469-9487.	1.2	15
447	The Impact of Process‐Based Warm Rain Constraints on the Aerosol Indirect Effect. Geophysical Research Letters, 2018, 45, 10,729.	1.5	28
448	Spatial variation of modelled total, dry and wet nitrogen deposition to forests at global scale. Environmental Pollution, 2018, 243, 1287-1301.	3.7	83
449	Comment on "Surface Air Relative Humidities Spuriously Exceeding 100% in CMIP5 Model Output and Their Impact on Future Projections" by K. Ruosteenoja et al. (2017). Journal of Geophysical Research D: Atmospheres, 2018, 123, 8724-8727.	1.2	2
450	Impact of deep ocean mixing on the climatic mean state in the Southern Ocean. Scientific Reports, 2018, 8, 14479.	1.6	32

#	ARTICLE	IF	CITATIONS
451	A Prospectus for Constraining Rapid Cloud Adjustments in General Circulation Models. Journal of Advances in Modeling Earth Systems, 2018, 10, 2080-2094.	1.3	3
452	Reply to Comment by Genthon et al. on "Surface Air Relative Humidities Spuriously Exceeding 100% in CMIP5 Model Output and Their Impact on Future Projections". Journal of Geophysical Research D: Atmospheres, 2018, 123, 8728-8734.	1.2	0
453	Multimodel assessment of flood characteristics in four large river basins at global warming of 1.5, 2.0 and 3.0 K above the pre-industrial level. Environmental Research Letters, 2018, 13, 124005.	2.2	24
454	Breeding sites of a narrowly distributed amphibian, a key element in its conservation in the face of global change. Aquatic Conservation: Marine and Freshwater Ecosystems, 2018, 28, 1089-1098.	0.9	7
455	An innovative approach to the assessment of hydro-political risk: A spatially explicit, data driven indicator of hydro-political issues. Global Environmental Change, 2018, 52, 286-313.	3.6	51
456	Low clouds link equilibrium climate sensitivity to hydrological sensitivity. Nature Climate Change, 2018, 8, 901-906.	8.1	40
457	The Climatology of the Atmospheric Boundary Layer in Contemporary Global Climate Models. Journal of Climate, 2018, 31, 9151-9173.	1.2	27
459	Impacts of compound extreme weather events on ozone in the present and future. Atmospheric Chemistry and Physics, 2018, 18, 9861-9877.	1.9	55
460	The Signature of Shallow Circulations, Not Cloud Radiative Effects, in the Spatial Distribution of Tropical Precipitation. Journal of Climate, 2018, 31, 9489-9505.	1.2	11
461	Can Climate Models Reproduce the Decadal Change of Dust Aerosol in East Asia?. Geophysical Research Letters, 2018, 45, 9953-9962.	1.5	34
462	Projecting the impacts of atmospheric conditions under climate change on air quality over the Pearl River Delta region. Atmospheric Environment, 2018, 193, 79-87.	1.9	35
463	Did Smoke From City Fires in World War II Cause Global Cooling?. Journal of Geophysical Research D: Atmospheres, 2018, 123, 10,314.	1.2	3
464	The influences of El Nino and Arctic sea-ice on the QBO disruption in February 2016. Npj Climate and Atmospheric Science, 2018, 1, .	2.6	16
465	Comparison of aerosol optical depth between observation and simulation from MIROC-SPRINTARS: Effects of temporal inhomogeneous sampling. Atmospheric Environment, 2018, 186, 56-73.	1.9	4
466	Evaluations of NASA NEX-GDDP data over Southeast Asia: present and future climates. Climatic Change, 2018, 148, 503-518.	1.7	51
467	Climate Change Increased the Likelihood of the 2016 Heat Extremes in Asia. Bulletin of the American Meteorological Society, 2018, 99, S97-S101.	1.7	32
468	Two Types of Physical Inconsistency to Avoid with Univariate Quantile Mapping: A Case Study over North America Concerning Relative Humidity and Its Parent Variables. Journal of Applied Meteorology and Climatology, 2018, 57, 347-364.	0.6	17
469	Roles of Shallow Convective Moistening in the Eastward Propagation of the MJO in MIROC6. Journal of Climate, 2018, 31, 3033-3047.	1.2	16

#	Article	IF	Citations
470	A Process-Based Assessment of CMIP5 Rainfall in the Congo Basin: The September–November Rainy Season. Journal of Climate, 2018, 31, 7417-7439.	1.2	35
471	Projected changes in crop yield mean and variability over West Africa in a world 1.5‰K warmer than the pre-industrial era. Earth System Dynamics, 2018, 9, 119-134.	2.7	31
472	Understanding the role of sea surface temperature-forcing for variability in global temperature and precipitation extremes. Weather and Climate Extremes, 2018, 21, 1-9.	1.6	31
473	Future Hydrologic Extremes of the Red River Basin. Journal of Applied Meteorology and Climatology, 2018, 57, 1321-1336.	0.6	15
474	Why Do Models Produce Spread in Snow Albedo Feedback?. Geophysical Research Letters, 2018, 45, 6223-6231.	1.5	34
476	Tracking an atmospheric river in a warmer climate: from water vapor to economic impacts. Earth System Dynamics, 2018, 9, 249-266.	2.7	31
477	Projection of invertebrate populations in the headwater streams of a temperate catchment under a changing climate. Science of the Total Environment, 2018, 642, 610-618.	3.9	14
478	Landscape genomics provides evidence of climate-associated genetic variation in Mexican populations of *Quercus rugosa*. Evolutionary Applications, 2018, 11, 1842-1858.	1.5	54
479	Explaining Extreme Events of 2016 from a Climate Perspective. Bulletin of the American Meteorological Society, 2018, 99, S1-S157.	1.7	42
480	Emergency Department Visits and Ambient Temperature: Evaluating the Connection and Projecting Future Outcomes. GeoHealth, 2018, 2, 182-194.	1.9	10
481	Mechanisms influencing seasonal to inter-annual prediction skill of sea ice extent in the Arctic Ocean in MIROC. Cryosphere, 2018, 12, 675-683.	1.5	13
482	Assessing Long-Term Hydrological Impact of Climate Change Using an Ensemble Approach and Comparison with Global Gridded Model-A Case Study on Goodwater Creek Experimental Watershed. Water (Switzerland), 2018, 10, 564.	1.2	17
483	Effects of Climate Change on CO_2 Concentration and Efflux in a Humic Boreal Lake: A Modeling Study. Journal of Geophysical Research G: Biogeosciences, 2018, 123, 2212-2233.	1.3	14
484	Potential impact of climate change on the distribution of six invasive alien plants in Nepal. Ecological Indicators, 2018, 95, 99-107.	2.6	87
485	Habitat assessment of Marco Polo sheep (*Ovis ammon polii)* in Eastern Tajikistan: Modeling the effects of climate change. Ecology and Evolution, 2018, 8, 5124-5138.	0.8	19
486	Distribution and protection of climatic refugia in North America. Conservation Biology, 2018, 32, 1414-1425.	2.4	55
487	Understanding the influence of ENSO on the Great Plains low-level jet in CMIP5 models. Climate Dynamics, 2018, 51, 1537-1558.	1.7	11
488	Freshwater stress on small island developing states: population projections and aridity changes at 1.5 and 2°C. Regional Environmental Change, 2018, 18, 2273-2282.	1.4	29

#	ARTICLE	IF	CITATIONS
489	Evaluation of the zonal wind stress response to SST in the CMIP5 AMIP simulations. Atmospheric and Oceanic Science Letters, 2018, 11, 157-164.	0.5	2
490	&lt;i&gt;Impact of Climate Change on Maize Grown in the Brazilian Cerrado&lt;/i&gt;. , 2018, , .		3
492	Hydrological response to future land-use change and climate change in a tropical catchment. Hydrological Sciences Journal, 2018, 63, 1368-1385.	1.2	92
493	A cautionary note on decadal sea level pressure predictions from GCMs. Advances in Climate Change Research, 2018, 9, 43-56.	2.1	3
494	Assessing the Robustness of Future Extreme Precipitation Intensification in the CMIP5 Ensemble. Journal of Climate, 2018, 31, 6505-6525.	1.2	45
495	Development of Gas Absorption Tables and an Atmospheric Radiative Transfer Package for Applications Using the Advanced Himawari Imager. Journal of the Meteorological Society of Japan, 2018, 96B, 77-89.	0.7	2
496	Higher CO2 concentrations increase extreme event risk in a 1.5 Â°C world. Nature Climate Change, 2018, 8, 604-608.	8.1	104
498	Reemergence of Antarctic sea ice predictability and its link to deep ocean mixing in global climate models. Climate Dynamics, 2019, 52, 2775-2797.	1.7	15
499	Spatial global assessment of the pest <i>Bagrada hilaris</i> (Burmeister) (Heteroptera: Pentatomidae): current and future scenarios. Pest Management Science, 2019, 75, 809-820.	1.7	25
500	Assessing the impacts of future climate change on the hydroclimatology of the Gediz Basin in Turkey by using dynamically downscaled CMIP5 projections. Science of the Total Environment, 2019, 648, 481-499.	3.9	46
501	Forced summer stationary waves: the opposing effects of direct radiative forcing and sea surface warming. Climate Dynamics, 2019, 53, 4291-4309.	1.7	12
502	Sub-cloud moist entropy curvature as a predictor for changes in the seasonal cycle of tropical precipitation. Climate Dynamics, 2019, 53, 3463-3479.	1.7	6
503	Hydrological Responses to the Future Climate Change in a Data Scarce Region, Northwest China: Application of Machine Learning Models. Water (Switzerland), 2019, 11, 1588.	1.2	12
504	Precipitation Evolution over Belgium by 2100 and Sensitivity to Convective Schemes Using the Regional Climate Model MAR. Atmosphere, 2019, 10, 321.	1.0	3
505	Evaluation of CMIP5 ability to reproduce twentieth century regional trends in surface air temperature and precipitation over CONUS. Climate Dynamics, 2019, 53, 5459-5480.	1.7	4
506	Strengthening of the Indian Ocean Dipole With Increasing Seasonal Cycle in the Midâ€Holocene. Geophysical Research Letters, 2019, 46, 8320-8328.	1.5	11
507	Global Evaluation of Proxy System Models for Stable Water Isotopes With Realistic Atmospheric Forcing. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8972-8993.	1.2	19
508	Assessing impacts of climate change on Campanula yaltirikii H.Duman (Campanulaceae), a critically endangered endemic species in Turkey. Turkish Journal of Botany, 2019, 43, 243-252.	0.5	2

#	Article	IF	Citations
509	Optimal genotypeâ€Ã—â€ environmentâ€Ã—â€ management as a strategy to increase grain maize productivity and water use efficiency in water-limited environments and rising temperature. Ecological Indicators, 2019, 107, 105570.	2.6	11
510	Description and basic evaluation of simulated mean state, internal variability, and climate sensitivity in MIROC6. Geoscientific Model Development, 2019, 12, 2727-2765.	1.3	439
511	The Key Role of Warm Rain Parameterization in Determining the Aerosol Indirect Effect in a Global Climate Model. Journal of Climate, 2019, 32, 4409-4430.	1.2	28
512	Adaptation to Climate Change in Agriculture. , 2019, , .		26
513	Mechanisms Reducing ENSO Amplitude and Asymmetry via an Enhanced Seasonal Cycle in the Mid-Holocene. Journal of Climate, 2019, 32, 8069-8085.	1.2	3
514	Effect of climate change over landfalling hurricanes at the Yucatan Peninsula. Climatic Change, 2019, 157, 469-482.	1.7	13
515	Evaluation of Surface Radiative Fluxes over the Tropical Oceans in AMIP Simulations. Atmosphere, 2019, 10, 606.	1.0	5
516	Estimating Greenland tidewater glacier retreat driven by submarine melting. Cryosphere, 2019, 13, 2489-2509.	1.5	60
517	Observed and hindcasted subdecadal variability of the tropical Pacific climate. ICES Journal of Marine Science, 0, , .	1.2	4
519	Eastern North Pacific tropical cyclone activity in historical and future CMIP5 experiments: assessment with a model-independent tracking scheme. Climate Dynamics, 2019, 53, 4841-4855.	1.7	10
520	Western North Pacific Tropical Cyclone Tracks in CMIP5 Models: Statistical Assessment Using a Model-Independent Detection and Tracking Scheme. Journal of Climate, 2019, 32, 7191-7208.	1.2	28
523	Rapid expansion of Greenlandâ€™s low-permeability ice slabs. Nature, 2019, 573, 403-407.	13.7	84
524	Differing Impacts of Black Carbon and Sulfate Aerosols on Global Precipitation and the ITCZ Location via Atmosphere and Ocean Energy Perturbations. Journal of Climate, 2019, 32, 5567-5582.	1.2	21
525	â€˜Eastern African Paradoxâ€™ rainfall decline due to shorter not less intense Long Rains. Npj Climate and Atmospheric Science, 2019, 2, .	2.6	83
526	Effect of global atmospheric aerosol emission change on PM$_{2.5}$-related health impacts. Global Health Action, 2019, 12, 1664130.	0.7	5
527	Recovering Evapotranspiration Trends from Biased CMIP5 Simulations and Sensitivity to Changing Climate over North America. Journal of Hydrometeorology, 2019, 20, 1619-1633.	0.7	14
528	Perturbations to Global Energy Budget Due to Absorbing and Scattering Aerosols. Journal of Geophysical Research D: Atmospheres, 2019, 124, 2194-2209.	1.2	32
529	A Warmer, Wetter and Less Windy China in the Twenty-First Century as Projected by a Nested High-Resolution Simulation Using the Weather Research and Forecasting (WRF) Model. Asia-Pacific Journal of Atmospheric Sciences, 2019, 55, 53-74.	1.3	10

#	Article	IF	Citations
530	Soil Moisture Effects on Afternoon Precipitation Occurrence in Current Climate Models. Geophysical Research Letters, 2019, 46, 1861-1869.	1.5	22
531	Numerical simulation of surface solar radiation over Southern Africa. Part 2: projections of regional and global climate models. Climate Dynamics, 2019, 53, 2197-2227.	1.7	7
532	Effects of Increasing Aridity on Ambient Dust and Public Health in the U.S. Southwest Under Climate Change. GeoHealth, 2019, 3, 127-144.	1.9	56
533	Climate change scenarios for Paraguayan power demand 2017â€"2050. Climatic Change, 2019, 156, 425-445.	1.7	3
534	Cloud physics from space. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 2854-2875.	1.0	18
535	Cloud feedbacks in extratropical cyclones: insight from long-term satellite data and high-resolution global simulations. Atmospheric Chemistry and Physics, 2019, 19, 1147-1172.	1.9	12
536	Phylogeography and ecological niche modeling unravel the evolutionary history of the Yarkand hare, Lepus yarkandensis (Mammalia: Leporidae), through the Quaternary. BMC Evolutionary Biology, 2019, 19, 113.	3.2	5
537	Observations and Projections of Heat Waves in South America. Scientific Reports, 2019, 9, 8173.	1.6	67
538	The Effects of Natural Variability and Climate Change on the Record Low Sunshine over Japan during August 2017. Bulletin of the American Meteorological Society, 2019, 100, S67-S71.	1.7	1
539	Invasive Plant Species Establishment and Range Dynamics in Sri Lanka under Climate Change. Entropy, 2019, 21, 571.	1.1	41
540	Reconciling roles of sulphate aerosol forcing and internal variability in Atlantic multidecadal climate changes. Climate Dynamics, 2019, 53, 4651-4665.	1.7	58
541	Artificial Neural Network for the Short-Term Prediction of Arctic Sea Ice Concentration. Remote Sensing, 2019, 11, 1071.	1.8	21
542	Projected social costs of CO2 emissions from forest losses far exceed the sequestration benefits of forest gains under global change. Ecosystem Services, 2019, 37, 100935.	2.3	13
543	Evaluating Climate Model Simulations of the Radiative Forcing and Radiative Response at Earthâ€™s Surface. Journal of Climate, 2019, 32, 4089-4102.	1.2	7
544	Risk of spread of tomato yellow leaf curl virus (TYLCV) in tomato crops under various climate change scenarios. Agricultural Systems, 2019, 173, 524-535.	3.2	49
545	Extinction risks of a Mediterranean neo-endemism complex of mountain vipers triggered by climate change. Scientific Reports, 2019, 9, 6332.	1.6	31
546	Projections of future soil temperature in northeast Iran. Geoderma, 2019, 349, 11-24.	2.3	19
547	Performance evaluation of AR5-CMIP5 models for the representation of seasonal and multi-annual variability of precipitation in Brazilian hydropower sector basins under RCP8.5 scenario. Hydrological Sciences Journal, 2019, 64, 1279-1296.	1.2	12

#	ARTICLE	IF	CITATIONS
548	Economic Impacts of Climate Change on Vegetative Agriculture Markets in Israel. Environmental and Resource Economics, 2019, 74, 679-696.	1.5	4
549	Estimation of probable maximum precipitation at three provinces in Northeast Vietnam using historical data and future climate change scenarios. Journal of Hydrology: Regional Studies, 2019, 23, 100599.	1.0	12
550	Weak global warming mitigation by reducing black carbon emissions. Scientific Reports, 2019, 9, 4419.	1.6	44
551	Regional Decadal Climate Predictions Using an Ensemble of WRF Parameterizations Driven by the MIROC5 GCM. Journal of Applied Meteorology and Climatology, 2019, 58, 527-549.	0.6	3
552	Using a Hydrologic Model to Assess the Performance of Regional Climate Models in a Semi-Arid Watershed in Brazil. Water (Switzerland), 2019, 11, 170.	1.2	21
553	Alternative reproductive adaptations predict asymmetric responses to climate change in lizards. Scientific Reports, 2019, 9, 5093.	1.6	13
554	Tropical rainfall predictions from multiple seasonal forecast systems. International Journal of Climatology, 2019, 39, 974-988.	1.5	45
555	Explaining Extreme Events of 2017 from a Climate Perspective. Bulletin of the American Meteorological Society, 2019, 100, S1-S117.	1.7	27
556	Decadal predictability of temperature and precipitation means and extremes in a perfect-model experiment. Climate Dynamics, 2019, 53, 3711-3729.	1.7	5
557	Evaluation of Groundwater Simulations in Benin from the ALMIP2 Project. Journal of Hydrometeorology, 2019, 20, 339-354.	0.7	2
558	JAMSTEC Model Intercomparision Project (JMIP). JAMSTEC Report of Research and Development, 2019, 28, 5-34.	0.2	0
559	Evaluating models' response of tropical low clouds to SST forcings using CALIPSO observations. Atmospheric Chemistry and Physics, 2019, 19, 2813-2832.	1.9	34
560	Modeling the climate suitability of tea [Camellia sinensis(L.) O. Kuntze] in Sri Lanka in response to current and future climate change scenarios. Agricultural and Forest Meteorology, 2019, 272-273, 102-117.	1.9	85
561	Assessment of the Greenland ice sheetâ€"atmosphere feedbacks for the next century with a regional atmospheric model coupled to an ice sheet model. Cryosphere, 2019, 13, 373-395.	1.5	46
562	Uncertainty in ensembles of global biodiversity scenarios. Nature Communications, 2019, 10, 1446.	5.8	236
563	The Plausibility of Septemberâ€"November Congo Basin Rainfall Change in Coupled Climate Models. Journal of Geophysical Research D: Atmospheres, 2019, 124, 5822-5846.	1.2	13
564	Estimates of Present and Future Asthma Emergency Department Visits Associated With Exposure to Oak, Birch, and Grass Pollen in the United States. GeoHealth, 2019, 3, 11-27.	1.9	33
565	Comparison of Effective Radiative Forcing Calculations Using Multiple Methods, Drivers, and Models. Journal of Geophysical Research D: Atmospheres, 2019, 124, 4382-4394.	1.2	21

#	Article	IF	Citations
566	Diagnosing the Impacts of Northern Hemisphere Surface Albedo Biases on Simulated Climate. Journal of Climate, 2019, 32, 1777-1795.	1.2	16
567	Assessment of aerosolâ€"cloudâ€"radiation correlations in satellite observations, climate models and reanalysis. Climate Dynamics, 2019, 52, 4371-4392.	1.7	35
568	Increase in severe and extreme soil moisture droughts for Europe under climate change. Science of the Total Environment, 2019, 660, 1245-1255.	3.9	187
569	Simulation of extreme Indian summer monsoon years in Coupled Model Intercomparison Project Phase 5 models: Role of cloud processes. International Journal of Climatology, 2019, 39, 901-920.	1.5	5
570	Projection of 21st century irrigation water requirement across the Lower Mississippi Alluvial Valley. Agricultural Water Management, 2019, 217, 60-72.	2.4	11
571	Maize yield under a changing climate in the Brazilian Northeast: Impacts and adaptation. Agricultural Water Management, 2019, 216, 339-350.	2.4	33
572	Assessing wetland climate change vulnerability for wetland management decision support using the hydrogeological landscape framework: application in the Australian Capital Territory. Marine and Freshwater Research, 2019, 70, 225.	0.7	3
573	Future Changes in Rice Bioclimatic Growing Conditions in Portugal. Agronomy, 2019, 9, 674.	1.3	7
574	Addressing Long-Term Operational Risk Management in Port Docks under Climate Change Scenariosâ€"A Spanish Case Study. Water (Switzerland), 2019, 11, 2153.	1.2	14
575	Analysis of Groundwater and Total Water Storage Changes in Poland Using GRACE Observations, In-situ Data, and Various Assimilation and Climate Models. Remote Sensing, 2019, 11, 2949.	1.8	19
576	Interpretable Predictive Modeling for Climate Variables with Weighted Lasso. Proceedings of the AAAI Conference on Artificial Intelligence, 2019, 33, 1385-1392.	3.6	1
578	Comparison of projected water availability and demand reveals future hotspots of water stress in the Red River basin, USA. Journal of Hydrology: Regional Studies, 2019, 26, 100638.	1.0	9
579	Multi-year prediction of European summer drought conditions for the agricultural sector. Environmental Research Letters, 2019, 14, 124014.	2.2	26
580	Evaluation of CMIP5 models for west and southwest Iran using TOPSIS-based method. Theoretical and Applied Climatology, 2019, 137, 533-543.	1.3	47
581	Plio-Pleistocene diversification and biogeographic barriers in southern Australia reflected in the phylogeography of a widespread and common lizard species. Molecular Phylogenetics and Evolution, 2019, 133, 107-119.	1.2	18
582	Mechanisms for and Predictability of a Drastic Reduction in the Arctic Sea Ice: APPOSITE Data with Climate Model MIROC. Journal of Climate, 2019, 32, 1361-1380.	1.2	3
583	Developing climate model ensembles: A comparative case study. Journal of Hydrology, 2019, 568, 160-173.	2.3	28
584	Temperature and precipitation change in Malawi: Evaluation of CORDEX-Africa climate simulations for climate change impact assessments and adaptation planning. Science of the Total Environment, 2019, 654, 378-392.	3.9	61

#	ARTICLE	IF	CITATIONS
585	Simulating the impacts of climate change on soybean cyst nematode and the distribution of soybean. Agricultural and Forest Meteorology, 2019, 264, 178-187.	1.9	21
586	On the use of observations in assessment of multi-model climate ensemble. Stochastic Environmental Research and Risk Assessment, 2019, 33, 1923-1937.	1.9	14
587	Future characteristics of African Easterly Wave tracks. Climate Dynamics, 2019, 52, 5567-5584.	1.7	7
588	Observed and global climate model based changes in wind power potential over the Northern Hemisphere during 1979â€"2016. Energy, 2019, 167, 1224-1235.	4.5	64
589	An assessment of regional sea ice predictability in the Arctic ocean. Climate Dynamics, 2019, 53, 427-440.	1.7	12
590	Forthcoming risk of Prosopis juliflora global invasion triggered by climate change: implications for environmental monitoring and risk assessment. Environmental Monitoring and Assessment, 2019, 191, 72.	1.3	26
591	Projections of southern hemisphere tropical cyclone track density using CMIP5 models. Climate Dynamics, 2019, 52, 6065-6079.	1.7	22
592	Skill of Indian summer monsoon rainfall prediction in multiple seasonal prediction systems. Climate Dynamics, 2019, 52, 5291-5301.	1.7	30
593	Performance of CMIP5 models in the simulation of Indian summer monsoon. Theoretical and Applied Climatology, 2019, 137, 1429-1447.	1.3	45
594	Performance of the CMIP5 models in the simulation of the Himalaya-Tibetan Plateau monsoon. Theoretical and Applied Climatology, 2019, 137, 909-928.	1.3	29
595	Importance of background seasonality over the eastern equatorial Pacific in a coupled atmosphere-ocean response to westerly wind events. Climate Dynamics, 2019, 52, 7309-7327.	1.7	8
596	Numerical simulation of surface solar radiation over Southern Africa. PartÂ1: Evaluation of regional and global climate models. Climate Dynamics, 2019, 52, 457-477.	1.7	23
597	IDF curves for future climate scenarios in a locality of the TapajÃ³s Basin, Amazon, Brazil. Journal of Water and Climate Change, 2020, 11, 760-770.	1.2	11
598	Assessment of the climate change risks for inflow into Sagami Dam reservoir using a hydrological model. Journal of Water and Climate Change, 2020, 11, 367-379.	1.2	7
599	Rapid detection of stressed agricultural environments in Africa under climatic change 2000â€"2050 using agricultural resource indices and a hotspot mapping approach. Weather and Climate Extremes, 2020, 27, 100211.	1.6	7
600	Analysis of growth functions that can increase irrigated wheat yield under climate change. Meteorological Applications, 2020, 27, e1804.	0.9	12
601	The influence of climate change in Superpave binder selection for Chile. Road Materials and Pavement Design, 2020, 21, 607-622.	2.0	12
602	Towards understanding multi-model precipitation predictions from CMIP5 based on China hourly merged precipitation analysis data. Atmospheric Research, 2020, 231, 104671.	1.8	12

#	ARTICLE	IF	CITATIONS
603	Investigating the linkage between simulated precipitation climatology and ENSO-related precipitation anomaly based on multi-model and perturbed parameter ensembles. Theoretical and Applied Climatology, 2020, 139, 533-547.	1.3	1
604	Current and future distribution of the invasive oak processionary moth. Biological Invasions, 2020, 22, 523-534.	1.2	20
605	Stochastic projection of precipitation and wet and dry spells over Pakistan using IPCC AR5 based AOGCMs. Atmospheric Research, 2020, 234, 104742.	1.8	6
606	Convective Transition Statistics over Tropical Oceans for Climate Model Diagnostics: GCM Evaluation. Journals of the Atmospheric Sciences, 2020, 77, 379-403.	0.6	22
607	Land use and climate change impacts on distribution of plant species of conservation value in Eastern Ghats, India: a simulation study. Environmental Monitoring and Assessment, 2020, 192, 86.	1.3	16
608	Boreal Winter Surface Air Temperature Responses to Large Tropical Volcanic Eruptions in CMIP5 Models. Journal of Climate, 2020, 33, 2407-2426.	1.2	9
609	Assessment of water resources and crop yield under future climate scenarios: A case study in a Warangal district of Telangana, India. Journal of Earth System Science, 2020, 129, 1.	0.6	13
610	Toward dormant seeding of rainfed chickpea as an adaptation strategy to sustain productivity in response to changing climate. Field Crops Research, 2020, 247, 107674.	2.3	10
611	Predicting the spatiotemporal variation in soil wind erosion across Central Asia in response to climate change in the 21st century. Science of the Total Environment, 2020, 709, 136060.	3.9	69
612	Estimating Potential Climate Change Effects on the Upper Neuse Watershed Water Balance Using the SWAT Model. Journal of the American Water Resources Association, 2020, 56, 53-67.	1.0	17
613	Performance evaluation of CORDEX-South Asia simulations and future projections of northeast monsoon rainfall over south peninsular India. Meteorology and Atmospheric Physics, 2020, 132, 743-770.	0.9	9
614	Revisiting the Impact of Sea Salt on Climate Sensitivity. Geophysical Research Letters, 2020, 47, e2019GL085601.	1.5	12
615	Machine learning applications for agricultural impacts under extreme events. , 2020, , 119-138.		15
616	Future Global Meteorological Drought Hot Spots: A Study Based on CORDEX Data. Journal of Climate, 2020, 33, 3635-3661.	1.2	230
617	Predictability of Extratropical Upper-Tropospheric Circulation in the Southern Hemisphere by Its Main Modes of Variability. Journal of Climate, 2020, 33, 1405-1421.	1.2	5
618	Neglected and Underutilized Fruit Species in Sri Lanka: Prioritisation and Understanding the Potential Distribution under Climate Change. Agronomy, 2020, 10, 34.	1.3	25
619	Quantifying Progress Across Different CMIP Phases With the ESMValTool. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD032321.	1.2	50
620	Downscaling of climate extremes over South America â€" Part I: Model evaluation in the reference climate. Weather and Climate Extremes, 2020, 29, 100273.	1.6	34

#	ARTICLE	IF	CITATIONS
621	Global distribution and conservation status of ecologically rare mammal and bird species. Nature Communications, 2020, 11, 5071.	5.8	61
622	Climate-Biome Envelope Shifts Create Enormous Challenges and Novel Opportunities for Conservation. Forests, 2020, 11, 1015.	0.9	12
623	Climate change impact on water availability in the olifants catchment (South Africa) with potential adaptation strategies. Physics and Chemistry of the Earth, 2020, 120, 102939.	1.2	13
624	Potential impacts of climate change on future rainwater tank outcomes: A case study for Sydney. Journal of Cleaner Production, 2020, 273, 123095.	4.6	18
625	Climate Change May Imperil Tea Production in the Four Major Tea Producers According to Climate Prediction Models. Agronomy, 2020, 10, 1536.	1.3	12
626	Multiscale precipitation variability and extremes over South America: analysis of future changes from a set of CORDEX regional climate model simulations. Climate Dynamics, 2020, 55, 2089-2106.	1.7	24
627	Rapid change of the Arctic climate system and its global influences - Overview of GRENE Arctic climate change research project (2011â€"2016). Polar Science, 2020, 25, 100548.	0.5	23
628	Multi-scale habitat modelling and predicting change in the distribution of tiger and leopard using random forest algorithm. Scientific Reports, 2020, 10, 11473.	1.6	46
629	Assessing mean climate change signals in the global CORDEX-CORE ensemble. Climate Dynamics, 2021, 57, 1269.	1.7	63
630	Determining Optimal Location for Mangrove Planting Using Remote Sensing and Climate Model Projection in Southeast Asia. Remote Sensing, 2020, 12, 3734.	1.8	24
631	Assessing the Impacts of Future Climate on Cotton Production in the Arizona Low Desert. Transactions of the ASABE, 2020, 63, 1087-1098.	1.1	11
632	Testing a Physical Hypothesis for the Relationship Between Climate Sensitivity and Doubleâ€ITCZ Bias in Climate Models. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS001999.	1.3	4
633	Modeling impacts of future climate change on reservoir storages and irrigation water demands in a Mediterranean basin. Science of the Total Environment, 2020, 748, 141246.	3.9	39
634	Evaluation of Historical CMIP5 GCM Simulation Results Based on Detected Atmospheric Teleconnections. Atmosphere, 2020, 11, 723.	1.0	7
635	Quantification of Uncertainty in Projections of Extreme Daily Precipitation. Earth and Space Science, 2020, 7, e2019EA001052.	1.1	31
637	Consecutive dry and wet days over South America and their association with ENSO events, in CMIP5 simulations. Theoretical and Applied Climatology, 2020, 142, 791-804.	1.3	9
638	Impact of Volcanic Aerosols on the Hydrology of the Asian Monsoon and Westerliesâ€Dominated Subregions: Comparison of Proxy and Multimodel Ensemble Means. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032831.	1.2	8
639	A development of reduction scenarios of the short-lived climate pollutants (SLCPs) for mitigating global warming and environmental problems. Progress in Earth and Planetary Science, 2020, 7, .	1.1	11

#	Article	IF	Citations
640	Updated Assessment of Temperature Extremes over the Middle Eastâ€"North Africa (MENA) Region from Observational and CMIP5 Data. Atmosphere, 2020, 11, 813.	1.0	16
641	Largeâ€Scale Desalination and the External Impact on Irrigationâ€Water Salinity: Economic Analysis for the Case of Israel. Water Resources Research, 2020, 56, e2019WR025657.	1.7	12
642	Understanding the bias in surface latent and sensible heat fluxes in contemporary AGCMs over tropical oceans. Climate Dynamics, 2020, 55, 2957-2978.	1.7	13
643	Assessing future distribution, suitability of corridors and efficiency of protected areas to conserve vulnerable ungulates under climate change. Diversity and Distributions, 2020, 26, 1383-1396.	1.9	24
644	Evaluation of snow cover and snow water equivalent in the continental Arctic in CMIP5 models. Climate Dynamics, 2020, 55, 2993-3016.	1.7	22
645	A Hybrid Model-Based Adaptive Framework for the Analysis of Climate Change Impact on Reservoir Performance. Water Resources Management, 2020, 34, 4053-4066.	1.9	2
646	The performance of regional climate models driven by various general circulation models in reproducing observed rainfall over East Africa. Theoretical and Applied Climatology, 2020, 142, 1169-1189.	1.3	14
647	WHAT THE FUTURE MIGHT HOLD: DISTRIBUTIONS OF REGIONAL SECTORAL DAMAGES FOR THE UNITED STATES â€" ESTIMATES AND MAPS IN AN EXHIBITION. Climate Change Economics, 2020, 11, 2040002.	2.9	4
648	Seasonal to Decadal Predictions With MIROC6: Description and Basic Evaluation. Journal of Advances in Modeling Earth Systems, 2020, 12, e2019MS002035.	1.3	19
649	Predicting the Water Requirement for Rice Production as Affected by Projected Climate Change in Bihar, India. Water (Switzerland), 2020, 12, 3312.	1.2	6
650	Evaluating Land Suitability and Potential Climate Change Impacts on Alfalfa (Medicago sativa) Production in Ethiopia. Atmosphere, 2020, 11, 1124.	1.0	10
651	Historical and projected future range sizes of the worldâ€™s mammals, birds, and amphibians. Nature Communications, 2020, 11, 5633.	5.8	30
652	Impacts of global warming on southern California's winegrape climate suitability. Advances in Climate Change Research, 2020, 11, 279-293.	2.1	13
653	Long-Term Impacts of Partial Afforestation on Water and Salt Dynamics of an Intermittent Catchment under Climate Change. Water (Switzerland), 2020, 12, 1067.	1.2	6
654	Artificial intelligence reconstructs missing climate information. Nature Geoscience, 2020, 13, 408-413.	5.4	94
655	Prediction of Bhutan's ecological distribution of rice (<i>Oryza sativa</i>L.) under the impact of climate change through maximum entropy modelling. Journal of Agricultural Science, 2020, 158, 25-37.	0.6	28
656	Impacts of climate change on key soil ecosystem services and interactions in Central Asia. Ecological Indicators, 2020, 116, 106490.	2.6	24
657	Long-Term Development Prospects of Russiaâ€™s Wind Energy in the Conditions of Expected Climate Changes. Thermal Engineering (English Translation of Teploenergetika), 2020, 67, 331-342.	0.4	8

#	ARTICLE	IF	CITATIONS
658	The impact of climate change on internal migration in Brazil. Journal of Environmental Economics and Management, 2020, 103, 102340.	2.1	20
659	Trends in AOD, Clouds, and Cloud Radiative Effects in Satellite Data and CMIP5 and CMIP6 Model Simulations Over Aerosol Source Regions. Geophysical Research Letters, 2020, 47, e2020GL087132.	1.5	48
660	Assessing the Climate Change Impacts on Grain Sorghum Yield and Irrigation Water Use under Full and Deficit Irrigation Strategies. Transactions of the ASABE, 2020, 63, 81-94.	1.1	12
661	Characteristics of Model Tropical Cyclone Climatology and the Large-Scale Environment. Journal of Climate, 2020, 33, 4463-4487.	1.2	42
662	Trends in northern midlatitude atmospheric wave power from 1950 to 2099. Climate Dynamics, 2020, 54, 2903-2918.	1.7	15
663	Predicted distributions of avian specialists: A framework for conservation of endangered forests under future climates. Diversity and Distributions, 2020, 26, 652-667.	1.9	18
664	Climate Change Adaptation to Extreme Rainfall Events on a Local Scale in Namyangju, South Korea. Journal of Hydrologic Engineering - ASCE, 2020, 25, .	0.8	7
665	Regional differentiation in climate change induced drought trends in the Netherlands. Environmental Research Letters, 2020, 15, 094081.	2.2	37
667	Action needed for staple crops in the Andean-Amazon foothills because of climate change. Mitigation and Adaptation Strategies for Global Change, 2020, 25, 1103-1127.	1.0	8
669	Current and future spatial assessment of biological control as a mechanism to reduce economic losses and carbon emissions: the case of Solanum sisymbriifolium in Africa. Pest Management Science, 2020, 76, 2395-2405.	1.7	7
670	Climate Damage Functions for Estimating the Economic Impacts of Climate Change in the United States. Review of Environmental Economics and Policy, 2020, 14, 25-43.	3.1	34
671	Climate change promotes species loss and uneven modification of richness patterns in the avifauna associated to Neotropical seasonally dry forests. Perspectives in Ecology and Conservation, 2020, 18, 19-30.	1.0	22
672	Climate models disagree on the sign of total radiative feedback in the Arctic. Tellus, Series A: Dynamic Meteorology and Oceanography, 2022, 72, 1696139.	0.8	25
673	The effects of afforestation as an adaptation option: a case study in the upper Chao Phraya River basin. Environmental Research Letters, 2020, 15, 044020.	2.2	10
674	Arctic Clouds Simulated by a Multiscale Modeling Framework and Comparisons With Observations and Conventional GCMs. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030522.	1.2	3
675	High-resolution and bias-corrected CMIP5 projections for climate change impact assessments. Scientific Data, 2020, 7, 7.	2.4	240
676	Substitutability of Freshwater and Non€Freshwater Sources in Irrigation: an Econometric Analysis. American Journal of Agricultural Economics, 2020, 102, 1105-1134.	2.4	5
677	Evaluation of CORDEX-RCMS and their driving GCMs of CMIP5 in simulation of Indian summer monsoon rainfall and its future projections. Arabian Journal of Geosciences, 2020, 13, 1.	0.6	7

#	ARTICLE	IF	CITATIONS
678	Targeted model evaluations for climate services: A case study on heat waves in Bangladesh. Climate Risk Management, 2020, 28, 100213.	1.5	12
679	Projected changes in ENSO-driven regional tropical cyclone tracks. Climate Dynamics, 2020, 54, 2533-2559.	1.7	7
680	Planning for climate change through additions to a national protected area network: implications for cost and configuration. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190117.	1.8	48
681	Response of Arctic Freshwater to the Arctic Oscillation in Coupled Climate Models. Journal of Climate, 2020, 33, 2533-2555.	1.2	14
682	Cultivar coefficient stability and effects on yield projections in the SPUDSIM model. Agronomy Journal, 2020, 112, 828-843.	0.9	5
683	Diagnosing Transient Response to CO_2 Forcing in Coupled Atmosphere–Ocean Model Experiments Using a Climate Model Emulator. Geophysical Research Letters, 2020, 47, e2019GL085844.	1.5	15
684	How could a difference of 0.5°C in global warming modify the mean and extreme climate conditions around Antarctica?. International Journal of Climatology, 2020, 40, 6067-6079.	1.5	4
685	Simulated Biomass, Climate Change Impacts, and Nitrogen Management to Achieve Switchgrass Biofuel Production at Diverse Sites in U.S.. Agronomy, 2020, 10, 503.	1.3	15
686	Twenty-first century ocean forcing of the Greenland ice sheet for modelling of sea level contribution. Cryosphere, 2020, 14, 985-1008.	1.5	51
687	Realised added value in dynamical downscaling of Australian climate change. Climate Dynamics, 2020, 54, 4675-4692.	1.7	31
688	North Indian Ocean tropical cyclone activity in CMIP5 experiments: Future projections using a model–independent detection and tracking scheme. International Journal of Climatology, 2020, 40, 6492-6505.	1.5	18
689	Changes in the exposure of California's levee-protected critical infrastructure to flooding hazard in a warming climate. Environmental Research Letters, 2020, 15, 064032.	2.2	14
690	Potential Risks of Plant Invasions in Protected Areas of Sri Lanka under Climate Change with Special Reference to Threatened Vertebrates. Climate, 2020, 8, 51.	1.2	10
691	Future evolution of the hydroclimatic conditions favouring floods in the south–east of Belgium by 2100 using a regional climate model. International Journal of Climatology, 2021, 41, 647-662.	1.5	6
692	Robust late twenty-first century shift in the regional monsoons in RegCM-CORDEX simulations. Climate Dynamics, 2021, 57, 1463-1488.	1.7	47
693	Emergence of robust anthropogenic increase of heat stress-related variables projected from CORDEX-CORE climate simulations. Climate Dynamics, 2021, 57, 1629-1644.	1.7	13
694	Statistically downscaled precipitation sensitivity to gridded observation data and downscaling technique. International Journal of Climatology, 2021, 41, 980-1001.	1.5	29
695	Modelling water resources for planning irrigation development in drought-prone southern Chile. International Journal of Water Resources Development, 2021, 37, 793-818.	1.2	11

#	ARTICLE	IF	CITATIONS
696	Comparison of spatial and temporal performance of two Regional Climate Models in the Amazon and La Plata river basins. Atmospheric Research, 2021, 250, 105413.	1.8	6
697	Impact of climate change on the hydrology of a semi-arid river basin of India under hypothetical and projected climate change scenarios. Journal of Water and Climate Change, 2021, 12, 969-996.	1.2	9
698	Modelling the present and future distribution of Biomphalaria species along the watershed of the Middle Paranapanema region, SÃ£o Paulo, Brazil. Acta Tropica, 2021, 214, 105764.	0.9	5
699	Potential Distributions of the Invasive Barnacle Scale <i>Ceroplastes cirripediformis</i> (Hemiptera:) Tj ETQq1 1 0.784314 rgBT /Over Entomology, 2021, 114, 82-89.	0.8	12
700	What causes the spread of model projections of ocean dynamic sea-level change in response to greenhouse gas forcing?. Climate Dynamics, 2021, 56, 155-187.	1.7	29
701	Phylogeographical and cytogeographical history of<i>Artemisia herba-alba</i>(Asteraceae) in the Iberian Peninsula and North Africa: mirrored intricate patterns on both sides of the Mediterranean Sea. Botanical Journal of the Linnean Society, 2021, 195, 588-605.	0.8	2
702	Past Variance and Future Projections of the Environmental Conditions Driving Western U.S. Summertime Wildfire Burn Area. Earth's Future, 2021, 9, e2020EF001645.	2.4	30
703	Integrated model projections of climate change impacts on water-level dynamics in the large Poyang Lake (China). Hydrology Research, 2021, 52, 43-60.	1.1	4
704	Evaluating Diurnal and Semi-Diurnal Cycle of Precipitation in CMIP6 Models Using Satellite- and Ground-Based Observations. Journal of Climate, 2021, , 1-56.	1.2	19
705	ENSO teleconnections in an ensemble of CORDEX-CORE regional simulations. Climate Dynamics, 2021, 57, 1445-1461.	1.7	6
706	Assessing future cross-border climate impacts using shared socioeconomic pathways. Climate Risk Management, 2021, 32, 100311.	1.5	6
707	Development of high-resolution future ocean regional projection datasets for coastal applications in Japan. Progress in Earth and Planetary Science, 2021, 8, .	1.1	20
708	The Choco lowâ€level jet: past, present and future. Climate Dynamics, 2021, 56, 2667-2692.	1.7	15
709	Detection and attribution of precipitation trends associated with the poleward shift of the South Atlantic Convergence Zone using CMIP5 simulations. International Journal of Climatology, 2021, 41, 3085-3106.	1.5	9
710	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach. , 2021, , 1-30.		0
711	PMIP4/CMIP6 last interglacial simulations using three different versions of MIROC: importance of vegetation. Climate of the Past, 2021, 17, 21-36.	1.3	10
712	Optimization of the sulfate aerosol hygroscopicity parameter in WRF-Chem. Geoscientific Model Development, 2021, 14, 259-273.	1.3	1
713	Effective radiative forcing from emissions of reactive gases and aerosols â€“ a multi-model comparison. Atmospheric Chemistry and Physics, 2021, 21, 853-874.	1.9	65

#	Article	IF	Citations
714	Impact of precipitation and increasing temperatures on drought trends in eastern Africa. Earth System Dynamics, 2021, 12, 17-35.	2.7	32
715	Prediction of the Variability of Changes in the Intensity and Frequency of Climate Change Reinforced Multi-Day Extreme Precipitation in the North-Central Vietnam Using General Circulation Models and Generalized Extreme Value Distribution Method. Frontiers in Earth Science, 2021, 8, .	0.8	1
716	Future projections in the climatology of global low-level jets from CORDEX-CORE simulations. Climate Dynamics, 2021, 57, 1551-1569.	1.7	20
717	Sensitivity of ENSO Simulation to the Convection Schemes in the NESM3 Climate System Model: Atmospheric Processes. Frontiers in Earth Science, 2021, 9, .	0.8	1
718	Projected climate change threatens Himalayan brown bear habitat more than human land use. Animal Conservation, 2021, 24, 659-676.	1.5	23
719	Expansion of drylands in China with an additional half a degree warming. International Journal of Climatology, 2021, 41, 3953-3967.	1.5	0
720	The importance of uncertainty quantification in model reproducibility. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2021, 379, 20200071.	1.6	18
722	Changes in fire weather climatology under 1.5 °C and 2.0 °C warming. Environmental Research Letters, 2021, 16, 034058.	2.2	14
723	The Effect of Anthropogenic Aerosols on the Aleutian Low. Journal of Climate, 2021, 34, 1725-1741.	1.2	16
724	Climate change reduces frost exposure for high-value California orchard crops. Science of the Total Environment, 2021, 762, 143971.	3.9	26
725	General Circulation Model Selection Technique for Downscaling: Exemplary Application to East Africa. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033033.	1.2	6
726	Potential distribution of aquatic invasive alien plants, Eichhornia crassipes and Salvinia molesta under climate change in Sri Lanka. Wetlands Ecology and Management, 2021, 29, 531-545.	0.7	11
727	Large ensemble climate model simulations: introduction, overview, and future prospects for utilising multiple types of large ensemble. Earth System Dynamics, 2021, 12, 401-418.	2.7	60
728	Future projections in tropical cyclone activity over multiple CORDEX domains from RegCM4 CORDEX-CORE simulations. Climate Dynamics, 2021, 57, 1507-1531.	1.7	14
729	Association between El Niño and extreme temperatures in southern South America in CMIP5 models. Part 1: model evaluation in the present climate. Climate Research, 2021, 83, 111-132.	0.4	3
730	The impact of climate change on the distribution of Castanopsis (Fagaceae) species in south China and Indo-China region. Global Ecology and Conservation, 2021, 26, e01388.	1.0	7
731	Ocean and atmosphere changes in the Caribbean Sea during the twenty-first century using CMIP5 models. Ocean Dynamics, 2021, 71, 757-777.	0.9	9
732	Amplified Impact of Climate Change on Fine-Sediment Delivery to a Subsiding Coast, Humboldt Bay, California. Estuaries and Coasts, 2021, 44, 2173-2193.	1.0	6

#	Article	IF	Citations
734	Simulation of the effects of forest harvesting under changing climate to inform long-term sustainable forest management using a biogeochemical model. Science of the Total Environment, 2021, 767, 144881.	3.9	8
735	First assessment of the earth heat inventory within CMIP5 historical simulations. Earth System Dynamics, 2021, 12, 581-600.	2.7	7
736	Climate Change Impacts on Water Resources of the Largest Hydropower Plant Reservoir in Southeast Brazil. Water (Switzerland), 2021, 13, 1560.	1.2	13
738	Interactions of Large-Scale Dynamics and Madden-Julian Oscillation Propagation in Multi-Model Simulations. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033988.	1.2	2
739	Assessing the impact of climate change on urban water demand and related uncertainties: a case study of Neyshabur, Iran. Theoretical and Applied Climatology, 2021, 145, 473-487.	1.3	10
740	Mapping climate change vulnerability of aquatic-riparian ecosystems using decision-relevant indicators. Ecological Indicators, 2021, 125, 107581.	2.6	3
741	An assessment of rainfall variability in northern Egypt. Arabian Journal of Geosciences, 2021, 14, 1.	0.6	4
743	Water use efficiency of chickpea agro-ecosystems will be boosted by positive effects of CO2 and using suitable genotype Ã— environment Ã— management under climate change conditions. Agricultural Water Management, 2021, 252, 106928.	2.4	10
745	Anthropogenic climate change has changed frequency of past flood during 2010-2013. Progress in Earth and Planetary Science, 2021, 8, .	1.1	21
746	Rapid shifts in Arctic tundra species' distributions and inter-specific range overlap under future climate change. Diversity and Distributions, 2021, 27, 1706-1718.	1.9	20
747	Climate change favours large seasonal loss of Arctic ozone. Nature Communications, 2021, 12, 3886.	5.8	44
748	Future heat stress to reduce people's purchasing power. PLoS ONE, 2021, 16, e0251210.	1.1	11
749	Projected economic losses from milk performance detriments under heat stress in Quebec dairy herds. Canadian Journal of Animal Science, 2021, 101, 242-256.	0.7	5
751	Projections of surface air temperature required to sustain permafrost and importance of adaptation to climate change in the Daisetsu Mountains, Japan. Scientific Reports, 2021, 11, 15518.	1.6	7
752	Evaluation of surface albedo over the Tibetan Plateau simulated by <scp>CMIP5</scp> models using in-situ measurements and <scp>MODIS</scp>. International Journal of Climatology, 2022, 42, 928-951.	1.5	3
753	Climate refugia for two Colombian endemic tamarin primates are critically under-protected. Mammalian Biology, 2021, 101, 531-543.	0.8	4
754	A Mathematical Modelling of A Multi-Physics Ensemble Approach for Exploring the Sensitivity of Climate. Journal of Physics: Conference Series, 2021, 1979, 012014.	0.3	0
755	Changes in river water resources of the Russian Federation's economic regions forecasted based on the CMIP5 runoff data. Ecohydrology and Hydrobiology, 2021, 21, 669-682.	1.0	3

#	ARTICLE	IF	CITATIONS
756	Revisiting Online and Offline Data Assimilation Comparison for Paleoclimate Reconstruction: An Idealized OSSE Study. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034214.	1.2	9
757	The Impact of Regional Climate Change on Hydroelectric Resources in South America. Renewable Energy, 2021, 173, 76-91.	4.3	25
758	Editorial for the CORDEX-CORE Experiment I Special Issue. Climate Dynamics, 2021, 57, 1265-1268.	1.7	27
759	Soil predictors are crucial for modelling vegetation distribution and its responses to climate change. Science of the Total Environment, 2021, 780, 146680.	3.9	15
760	South America climate change revealed through climate indices projected by GCMs and Eta-RCM ensembles. Climate Dynamics, 2022, 58, 459-485.	1.7	33
761	The Convective‐to‐Total Precipitation Ratio and the "Drizzling" Bias in Climate Models. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD034198.	1.2	30
762	Plant pathogen infection risk tracks global crop yields under climate change. Nature Climate Change, 2021, 11, 710-715.	8.1	177
763	Distinct surface response to black carbon aerosols. Atmospheric Chemistry and Physics, 2021, 21, 13797-13809.	1.9	2
764	Quantification of the hydrological consequences of climate change in a typical West African catchment using flow duration curves. Journal of Water and Climate Change, 2022, 13, 26-42.	1.2	6
765	Urban flood risk under global changes: a socio-hydrological and cellular automata approach in a Brazilian catchment. Hydrological Sciences Journal, 2021, 66, 2011-2021.	1.2	2
767	Emerging Skill in Multi-Year Prediction of the Indian Ocean Dipole. Frontiers in Climate, 2021, 3, .	1.3	8
768	Receiver Operating Characteristic Curve Analysis-Based Evaluation of GCMs Concerning Atmospheric Teleconnections. Atmosphere, 2021, 12, 1236.	1.0	1
769	Multi-Criteria Decision Framework to Evaluate Bias Corrected Climate Change Projections in the Piracicaba River Basin. Revista Brasileira De Meteorologia, 2021, 36, 339-349.	0.2	1
770	FAMOUS version xotzt (FAMOUS-ice): a general circulation model (GCM) capable of energy- and water-conserving coupling to an ice sheet model. Geoscientific Model Development, 2021, 14, 5769-5787.	1.3	3
771	An energy budget framework to understand mechanisms of land–ocean warming contrast induced by increasing greenhouse gases Part I: Near-equilibrium state. Journal of Climate, 2021, , 1-63.	1.2	2
773	Climate change projections suggest severe decreases in the geographic ranges of bird species restricted to Mexican humid mountain forests. Global Ecology and Conservation, 2021, 30, e01794.	1.0	12
774	Testing consistency of modelled predictions of the impact of climate change on bats. Climate Change Ecology, 2021, 2, 100011.	0.9	6
775	Comparative Analysis of Climate Change Impacts on Meteorological, Hydrological, and Agricultural Droughts in the Lake Titicaca Basin. Water (Switzerland), 2021, 13, 175.	1.2	21

#	ARTICLE	IF	CITATIONS
776	Climate change impact on the potential geographical distribution of two invading Xylosandrus ambrosia beetles. Scientific Reports, 2021, 11, 1339.	1.6	31
777	Economic Valuation of Coccidioidomycosis (Valley Fever) Projections in the United States in Response to Climate Change. Weather, Climate, and Society, 2021, 13, 107-123.	0.5	17
778	Evaluation of autoconversion schemes in a single model framework with satellite observations. Journal of Geophysical Research D: Atmospheres, 2015, , n/a-n/a.	1.2	5
779	Assessment of climate change impacts on streamflow and hydropower potential in the headwater region of the Grande river basin, Southeastern Brazil. International Journal of Climatology, 2017, 37, 5005-5023.	1.5	82
780	Analysis of Atlantic Tropical Cyclone Landfall Forecasts in Coupled GCMs on Seasonal and Decadal Timescales. , 2017, , 213-241.		8
781	Multi-scale Simulations of Atmospheric Pollutants Using a Non-hydrostatic Icosahedral Atmospheric Model. Springer Remote Sensing/photogrammetry, 2018, , 277-302.	0.4	4
783	Physically Consistent Responses of the Global Atmospheric Hydrological Cycle in Models and Observations. Space Sciences Series of ISSI, 2013, , 533-552.	0.0	4
784	Crop Production Under Changing Climate: Past, Present, and Future. , 2019, , 149-173.		4
785	On the spread of changes in marine low cloud cover in climate model simulations of the 21st century. , 2014, 42, 2603.		1
786	Future water availability from the western Karakoram under representative concentration pathways as simulated by CORDEX South Asia. Theoretical and Applied Climatology, 2020, 141, 1093-1108.	1.3	5
787	Performance evaluation of Eta/HadGEM2-ES and Eta/MIROC5 precipitation simulations over Brazil. Atmospheric Research, 2020, 244, 105053.	1.8	44
788	Potential benefits of genotype-based adaptation strategies for grain sorghum production in the Texas High Plains under climate change. European Journal of Agronomy, 2020, 117, 126037.	1.9	15
789	Evaluation of Evaporation Climatology for the Congo Basin Wet Seasons in 11 Global Climate Models. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2019JD030619.	1.2	13
790	Initialized near-term regional climate change prediction. , 0, .		1
791	Eurasian Winter Cooling: Intercomparison of Reanalyses and CMIP5 Data Sets. Atmospheric and Oceanic Science Letters, 2013, 6, 324-331.	0.5	13
792	Control of transient climate response and associated sea level rise by deep-ocean mixing. Environmental Research Letters, 2020, 15, 094001.	2.2	2
793	Global aridity changes due to differences in surface energy and water balance between 1.5 °C and 2 °C warming. Environmental Research Letters, 2020, 15, 0940a7.	2.2	13
796	Development of Downscaled Climate Projections: A Case Study of the Red River Basin, South-Central U.S.. Advances in Meteorology, 2019, 2019, 1-14.	0.6	8

#	Article	IF	Citations
797	Daily Autocorrelation and Mean Temperature/Moisture Rise as Determining Factors for Future Heat-Wave Patterns in the United States. Journal of Applied Meteorology and Climatology, 2020, 59, 1735-1754.	0.6	4
798	Fixed Anvil Temperature Feedback: Positive, Zero, or Negative?. Journal of Climate, 2020, 33, 2719-2739.	1.2	11
799	Statistical–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
800	Surface Constraints on the Depth of the Atlantic Meridional Overturning Circulation: Southern Ocean versus North Atlantic. Journal of Climate, 2020, 33, 3125-3149.	1.2	12
801	Regionally Varying Assessments of Upper-Level Tropical Width in Reanalyses and CMIP5 Models Using a Tropopause Break Metric. Journal of Climate, 2020, 33, 5885-5903.	1.2	3
802	Warming Patterns Affect El Niño Diversity in CMIP5 and CMIP6 Models. Journal of Climate, 2020, 33, 8237-8260.	1.2	23
803	Analyzing the Arctic Feedback Mechanism between Sea Ice and Low-Level Clouds Using 34 Years of Satellite Observations. Journal of Climate, 2020, 33, 7479-7501.	1.2	17
804	A Regime-Oriented Approach to Observationally Constraining Extratropical Shortwave Cloud Feedbacks. Journal of Climate, 2020, 33, 9967-9983.	1.2	12
805	Predictive Skill Assessment for Land Water Storage in CMIP5 Decadal Hindcasts by a Global Reconstruction of GRACE Satellite Data. Journal of Climate, 2020, 33, 9497-9509.	1.2	5
806	Multi-scale habitat selection and impacts of climate change on the distribution of four sympatric meso-carnivores using random forest algorithm. Ecological Processes, 2020, 9, .	1.6	15
807	Future projection of greenhouse gas emissions due to permafrost degradation using a simple numerical scheme with a global land surface model. Progress in Earth and Planetary Science, 2020, 7, 56.	1.1	17
808	d4PDF: large-ensemble and high-resolution climate simulations for global warming risk assessment. Progress in Earth and Planetary Science, 2020, 7, .	1.1	48
809	Two decades of Earth system modeling with an emphasis on Model for Interdisciplinary Research on Climate (MIROC). Progress in Earth and Planetary Science, 2020, 7, .	1.1	36
810	Model improvement and future projection of permafrost processes in a global land surface model. Progress in Earth and Planetary Science, 2020, 7, 69.	1.1	17
811	Development of Integrated Land Simulator. Progress in Earth and Planetary Science, 2020, 7, .	1.1	8
812	Frost Induces Respiration and Accelerates Carbon Depletion in Trees. PLoS ONE, 2015, 10, e0144124.	1.1	39
813	A synthesis of three decades of socio-ecological change in False Bay, South Africa: setting the scene for multidisciplinary research and management. Elementa, 2019, 7, .	1.1	30
814	Potential and Future Geographical Distribution of Eremanthus erythropappus (DC.) MacLeish: a Tree Threatened by Climate Change. Floresta E Ambiente, 2019, 26, .	0.1	3

#	ARTICLE	IF	CITATIONS
815	Changes in Flood Risk under Global Warming Estimated Using MIROC5 and the Discharge Probability Index. Journal of the Meteorological Society of Japan, 2012, 90, 509-524.	0.7	11
816	Predictability of a Stepwise Shift in Pacific Climate during the Late 1990s in Hindcast Experiments Using MIROC. Journal of the Meteorological Society of Japan, 2012, 90A, 1-21.	0.7	26
817	The Initialization of the MIROC Climate Models with Hydrographic Data Assimilation for Decadal Prediction. Journal of the Meteorological Society of Japan, 2012, 90A, 275-294.	0.7	63
818	Inter-Model Differences of Future Precipitation Changes in CMIP3 and MIROC5 Climate Models. Journal of the Meteorological Society of Japan, 2012, 90A, 307-316.	0.7	4
819	Hindcast Prediction and Near-Future Projection of Tropical Cyclone Activity over the Western North Pacific Using CMIP5 Near-Term Experiments with MIROC. Journal of the Meteorological Society of Japan, 2013, 91, 431-452.	0.7	15
820	A Comparison of the Madden-Julian Oscillation Simulated by Different Versions of the MIROC Climate Model. Scientific Online Letters on the Atmosphere, 2012, 8, 165-169.	0.6	2
821	Error Sensitivity to Initial Climate States in Pacific Decadal Hindcasts. Scientific Online Letters on the Atmosphere, 2014, 10, 39-44.	0.6	4
822	The GOddard SnoW Impurity Module (GOSWIM) for the NASA GEOS-5 Earth System Model: Preliminary Comparisons with Observations in Sapporo, Japan. Scientific Online Letters on the Atmosphere, 2014, 10, 50-56.	0.6	13
823	MIROC5 predictions of Yamase (cold northeasterly winds causing cool summers in northern Japan). J Agricultural Meteorology, 2013, 69, 117-125.	0.8	7
824	DESIGNING AND EVALUATING LAND USE SCENARIO WITH EFFECTIVE SEA BREEZE USE. Journal of Environmental Engineering (Japan), 2018, 83, 301-311.	0.1	2
825	Ozone pollution in Delaware:. Delaware Journal of Public Health, 2017, 3, 6-11.	0.2	3
826	Adaptation of rice to climate change through a cultivar-based simulation: a possible cultivar shift in eastern Japan. Climate Research, 2015, 64, 275-290.	0.4	18
827	Detection and attribution of climate change signals in South India maximum and minimum temperatures. Climate Research, 2018, 76, 145-160.	0.4	6
828	Prediction of climate variables by comparing the knearest neighbor method and MIROC5 outputs in an arid environment. Climate Research, 2019, 77, 99-114.	0.4	10
829	Climatic Constraints on Laggar Falcon (Falco jugger) Distribution Predicts Multidirectional Range Movements under Future Climate Change Scenarios. Journal of Raptor Research, 2020, 54, 1.	0.2	12
830	Implications of climate change on nutrient pollution: a look into the nitrogen and phosphorus loadings in the Great Miami and Little Miami watersheds in Ohio. AIMS Environmental Science, 2019, 6, 186-221.	0.7	4
831	Arctic Sea Ice: Decadal Simulations and Future Scenarios Using BESM-OA. Atmospheric and Climate Sciences, 2016, 06, 351-366.	0.1	5
832	Evaluation of the Eta Simulations Nested in Three Global Climate Models. American Journal of Climate Change, 2014, 03, 438-454.	0.5	170

#	ARTICLE	IF	CITATIONS
833	Assessment of Climate Change over South America under RCP 4.5 and 8.5 Downscaling Scenarios. American Journal of Climate Change, 2014, 03, 512-527.	0.5	254
834	Impacts of Increasing Temperature on the Future Incidence of West Nile Neuroinvasive Disease in the United States. American Journal of Climate Change, 2017, 06, 166-216.	0.5	14
835	CROPGRO-Soybean Model Calibration and Assessment of Soybean Yield Responses to Climate Change. American Journal of Climate Change, 2020, 09, 297-316.	0.5	6
836	The global dust cycle and uncertainty in CMIP5 (Coupled Model Intercomparison Project phase 5) models. Atmospheric Chemistry and Physics, 2020, 20, 10401-10425.	1.9	54
837	The response of stratospheric water vapor to climate change driven by different forcing agents. Atmospheric Chemistry and Physics, 2020, 20, 13267-13282.	1.9	3
838	Response of surface shortwave cloud radiative effect to greenhouse gases and aerosols and its impact on summer maximum temperature. Atmospheric Chemistry and Physics, 2020, 20, 8251-8266.	1.9	7
843	An inter-hemispheric seasonal comparison of polar amplification using radiative forcing of a quadrupling CO_2 experiment. Annales Geophysicae, 2020, 38, 1123-1138.	0.6	10
844	Probabilistic evaluation of competing climate models. Advances in Statistical Climatology, Meteorology and Oceanography, 2017, 3, 93-105.	0.6	5
845	Carbon–concentration and carbon–climate feedbacks in CMIP6 models and their comparison to CMIP5 models. Biogeosciences, 2020, 17, 4173-4222.	1.3	255
846	Emergent constraints on equilibrium climate sensitivity in CMIP5: do they hold for CMIP6?. Earth System Dynamics, 2020, 11, 1233-1258.	2.7	63
847	Statistical estimation of global surface temperature response to forcing under the assumption of temporal scaling. Earth System Dynamics, 2020, 11, 329-345.	2.7	7
848	Historical and future anthropogenic warming effects on droughts, fires and fire emissions of CO_2 and $PM_{2.5}$ in equatorial Asia when 2015-like El Niño events occur. Earth System Dynamics, 2020, 11, 435-445.	2.7	14
849	A 439-year simulated daily discharge dataset (1861–2299) for the upper Yangtze River, China. Earth System Science Data, 2020, 12, 387-402.	3.7	7
850	Development of the MIROC-ES2L Earth system model and the evaluation of biogeochemical processes and feedbacks. Geoscientific Model Development, 2020, 13, 2197-2244.	1.3	245
851	Earth System Model Evaluation Tool (ESMValTool) v2.0 â€" an extended set of large-scale diagnostics for quasi-operational and comprehensive evaluation of Earth system models in CMIP. Geoscientific Model Development, 2020, 13, 3383-3438.	1.3	69
852	MIROC-INTEG-LAND version 1: a global biogeochemical land surface model with human water management, crop growth, and land-use change. Geoscientific Model Development, 2020, 13, 4713-4747.	1.3	14
855	Importance of El Niño reproducibility for reconstructing historical CO_2 flux variations in the equatorial Pacific. Ocean Science, 2020, 16, 1431-1442.	1.3	4
856	Remapping of Greenland ice sheet surface mass balance anomalies for large ensemble sea-level change projections. Cryosphere, 2020, 14, 1747-1762.	1.5	11

#	Article	IF	Citations
857	Experimental protocol for sea level projections from ISMIP6 stand-alone ice sheet models. Cryosphere, 2020, 14, 2331-2368.	1.5	72
863	Impacts of climate change on infestations of Dubas bug (Ommatissus lybicus Bergevin) on date palms in Oman. PeerJ, 2018, 6, e5545.	0.9	12
864	Genetic variation of the Chilean endemic long-haired mouse<i>Abrothrix longipilis</i>(Rodentia,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.9	12
865	Potential distribution of crop wild relatives under climate change in Sri Lanka: implications for conservation of agricultural biodiversity. Current Research in Environmental Sustainability, 2021, 3, 100092.	1.7	12
866	Projections of wind power density in Pakistan and adjacent regions. Climate Research, 2021, 85, 177-192.	0.4	4
867	The CORDEX-CORE EXP-I Initiative: Description and Highlight Results from the Initial Analysis. Bulletin of the American Meteorological Society, 2022, 103, E293-E310.	1.7	35
868	Understanding the surface temperature response and its uncertainty to CO&lt;sub&gt;2&lt;/sub&gt;, CH&lt;sub&gt;4&lt;/sub&gt;, black carbon, and sulfate. Atmospheric Chemistry and Physics, 2021, 21, 14941-14958.	1.9	2
869	Future climate change could reduce irrigated and rainfed wheat water footprint in arid environments. Science of the Total Environment, 2022, 807, 150991.	3.9	16
871	Overview of Aerosol Forecasting System and Recent Transboundary Air Pollution. Wind Engineers JAWE, 2013, 38, 426-433.	0.0	0
874	Development of impact functions of global crop yield for climate change policy support models. Climate in Biosphere, 2014, 14, 41-56.	0.1	1
881	Riscos climáticos e a importância do planejamento no setor sucroenergético em um contexto de mudanças climáticas. , 2016, , 303-322.		1
882	Potential effect of future climate changes on productivity of selected crops in Poland. Annals of Warsaw University of Life Sciences, Land Reclamation, 2016, 48, 173-184.	0.2	0
883	ASSESSMENT OF FLOODED AREAS PROJECTIONS AND FLOODS POTENTIAL IMPACTS APPLYING REMOTE SENSING IMAGERY AND DEMOGRAPHIC DATA. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XLI-B8, 159-161.	0.2	0
884	Structured Estimation in High Dimensions: Applications in Climate. , 2017, , 13-32.		0
885	STUDY ON SPATIOTEMPORAL CHARACTERISTIC OF OBSERVATION IMPACT IN PROXY DATA ASSIMILATION. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_49-I_54.	0.0	0
886	RAINFALL RUNOFF AND INUNDATION IN CAU-THUONG-LUC NAM WATERSHED IN VIETNAM UNDER GLOBAL WARMING. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic Engineering), 2018, 74, I_163-I_168.	0.0	0
887	Back Matter: Appendices A through E. , 2018, , 79-101.		0
888	CLIMATE CHANGE AND WATER RESOURCE SUSTAINABILITY INDEX FOR A WATER-STRESSED BASIN IN BRAZIL: THE CASE STUDY OF RIO VERDE GRANDE BASIN. Nativa, 2018, 6, 480.	0.2	2

#	ARTICLE	IF	CITATIONS
889	SIMULATION OF STORM SURGE DUE TO TYPHOON JEBI 2018 AND PREDICTION UNDER GLOBAL WARMING SCENARIO. Journal of Japan Society of Civil Engineers Ser G (Environmental Research), 2019, 75, I_9-I_14.	0.1	0
890	Information Platform for Local Governments in Japan. , 2019, , 139-156.		0
891	Comparison and assessment of large-scale surface temperature in climate model simulations. Advances in Statistical Climatology, Meteorology and Oceanography, 2019, 5, 67-85.	0.6	0
893	Climate change impact on thermal comfort in Mexico City housing. WEENTECH Proceedings in Energy, 0, , 79-91.	0.0	0
895	Estimation of Hydropower Plants Energy Characteristics Change Under the Influence of Climate Factors. , 0, , .		1
896	Application of Single and Multiple-Scattering Theories to Analyses of Space-Borne Cloud Radar and Lidar Data. Springer Series in Light Scattering, 2020, , 1-37.	1.8	2
897	Response of Asiatic Ibex (Capra sibirica) under Climate Change Scenarios. Journal of Resources and Ecology, 2020, 11, 27.	0.2	1
899	The Sailor diagram â€" A new diagram for the verification of two-dimensional vector data from multiple models. Geoscientific Model Development, 2020, 13, 3221-3240.	1.3	3
900	On the use of synthetic tropical cyclones and hypothetical events for storm surge assessment under climate change. Natural Hazards, 2021, 105, 431-459.	1.6	6
902	Impact of Unmitigated HFC Emissions on Stratospheric Ozone at the End of the 21st Century as Simulated by Chemistryâ€Climate Models. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035307.	1.2	0
903	A novel spatiotemporal multi-attribute method for assessing flood risks in urban spaces under climate change and demographic scenarios. Sustainable Cities and Society, 2022, 76, 103501.	5.1	24
904	Evaluation of CMIP6 GCMs for simulations of temperature over Thailand and nearby areas in the early 21st century. Heliyon, 2021, 7, e08263.	1.4	10
908	Uncertainty in Aerosol Rainout Processes through the Case of the Radioactive Materials Emitted by the Fukushima Dai-ichi Nuclear Power Plant in March 2011. Journal of the Meteorological Society of Japan, 2022, 100, 197-217.	0.7	3
909	Toward Modeling Flood Risk-Related Decisions That Deal with Climate Changes in Urban Areas: A Multidimensional Approach. , 2021, , 3299-3328.		1
910	Understanding Hydrological Sensitivities Induced by Various Forcing Agents with a Climate Model. Scientific Online Letters on the Atmosphere, 2020, 16, 240-245.	0.6	2
911	Coupling library Jcup3: its philosophy and application. Progress in Earth and Planetary Science, 2020, 7, .	1.1	6
913	Numerical simulations of precipitation and streamflow in current climate and future projections to drainage areas of Brazilian hydroelectric plants. Climate Research, 2020, 79, 219-241.	0.4	5
914	Impact of climate on tea production: a study of the Dooars region in India. Theoretical and Applied Climatology, 2022, 147, 559-573.	1.3	5

#	Article	IF	Citations
915	Impact of surface-net solar radiation and soil temperature on tea production in India: a study of the Dooars region in West Bengal. Regional Environmental Change, 2021, 21, 1.	1.4	5
916	Arctic Sea Ice Growth in Response to Synoptic- and Large-Scale Atmospheric Forcing from CMIP5 Models. Journal of Climate, 2020, 33, 6083-6099.	1.2	10
918	Climate change pushes an economic insect to the brink of extinction: A case study for Cyamophila astragalicola in Iran. Journal of Zoological Systematics and Evolutionary Research, 2021, 59, 1632-1641.	0.6	0
919	Contribution of the Southern Annular Mode to Variations in Water Isotopes of Daily Precipitation at Dome Fuji, East Antarctica. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035397.	1.2	5
920	Impact of snowâ€albedo feedback termination on terrestrial surface climate at midhigh latitudes: Sensitivity experiments with an atmospheric general circulation model. International Journal of Climatology, 2022, 42, 3838-3860.	1.5	1
921	Potential influence of sea surface temperature representation in climate model simulations over CORDEXâ€SEA domain. International Journal of Climatology, 0, , .	1.5	1
922	On the Observations and Environmental Modeling in XingÃ³ Hydropower PlantÂ- Northeast Brazil: Present and Future Hydroclimatic Features. Environmental Modeling and Assessment, 2022, 27, 13.	1.2	2
923	Evaluation of South Atlantic Thermohaline Properties from BESM-OA2.5 and Three Additional Global Climate Models. Ocean and Coastal Research, 0, 69, .	0.3	2
924	The Southeast Asian monsoon and El NiÃ±oâ€"Southern Oscillation impact on the summer atmospheric circulation of East Mediterranean during 20th century based on <scp>ERAâ€20C</scp> and <scp>CMIP5</scp> simulations. International Journal of Climatology, 2022, 42, 4893-4908.	1.5	2
925	Evaluating Climate Modelsâ€™ Cloud Feedbacks Against Expert Judgment. Journal of Geophysical Research D: Atmospheres, 2022, 127, e2021JD035198.	1.2	24
926	Cascading Model-Based Framework for the Sustainability Assessment of a Multipurpose Reservoir in a Changing Climate. Journal of Water Resources Planning and Management - ASCE, 2022, 148, .	1.3	5
927	Downscaling for Climate Data in Indonesia Using Image-to-Image Translation Approach. , 2021, , .		0
928	Climate-driven Mediterranean fire hazard assessments for 2020â€"2100 on the light of past millennial variability. Climatic Change, 2022, 170, 1.	1.7	4
929	Response of convective systems to the orbital forcing of the last interglacial in a global nonhydrostatic atmospheric model with and without a convective parameterization. Climate Dynamics, 2022, 59, 1617-1648.	1.7	3
930	On the Correspondence Between Atmosphereâ€Only and Coupled Simulations for Radiative Feedbacks and Forcing From CO$_2$. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	10
931	Climate change could reduce and spatially reconfigure cocoa cultivation in the Brazilian Amazon by 2050. PLoS ONE, 2022, 17, e0262729.	1.1	11
932	Performance Degradation of Levee-Protected Electric Power Network Due to Flooding in a Changing Climate. IEEE Transactions on Power Systems, 2022, 37, 4651-4660.	4.6	4
933	Regional and temporal variations in the impacts of future climate change on Japanese electricity demand: Simultaneous interactions among multiple factors considered. Energy Conversion and Management: X, 2022, 14, 100172.	0.9	1

#	Article	IF	Citations
934	High‑Resolution Climate Projections Over Minnesota for the 21st Century. Earth and Space Science, 2022, 9, .	1.1	12
935	Seasonal circulation regimes in the North Atlantic: Towards a new seasonality. International Journal of Climatology, 2022, 42, 5848-5870.	1.5	4
936	Global predictions of primary soil salinization under changing climate in the 21st century. Nature Communications, 2021, 12, 6663.	5.8	184
937	IMPROVEMENT OF SOIL MOISTURE SCHEME WITH HORIZONTAL AND VERTICAL SOIL PARAMETER DISTRIBUTION IN A LAND SURFACE MODEL. Journal of Japan Society of Civil Engineers Ser B1 (Hydraulic) Tj ETQq1 0.0.784314 rgBT /Ov		
938	Analysis of average annual temperatures and rainfall in southern region of the state of Rio Grande do Sul, Brazil. Brazilian Journal of Environmental Sciences (Online), 2022, 57, 58-71.	0.1	0
939	Projected Air Temperature Extremes and Maximum Heat Conditions Over the Middle-East-North Africa (MENA) Region. Earth Systems and Environment, 2022, 6, 343-359.	3.0	10
940	Enhanced Arctic warming amplification revealed in a low-emission scenario. Communications Earth & Environment, 2022, 3, .	2.6	15
941	A circulation-based performance atlas of the CMIP5 and 6 models for regional climate studies in the Northern Hemisphere mid-to-high latitudes. Geoscientific Model Development, 2022, 15, 1375-1411.	1.3	11
942	Effect of nitrogen limitation and soil biophysics on Holocene greening of the Sahara. Climate of the Past, 2022, 18, 313-326.	1.3	0
943	Earth system model parameter adjustment using a Green's functions approach. Geoscientific Model Development, 2022, 15, 2309-2324.	1.3	2
944	Forecasting 100-year changes of streamflow in the Mun River Basin (NE Thailand) under the HAPPI experiment using the SWAT model. Journal of Water and Climate Change, 2022, 13, 1706-1724.	1.2	2
945	Effects of climate change on paddy expansion and potential adaption strategies for sustainable agriculture development across Northeast China. Applied Geography, 2022, 141, 102667.	1.7	29
946	New York State Hurricane Hazard: History and Future Projections. Journal of Applied Meteorology and Climatology, 2022, 61, 613-629.	0.6	3
947	Future Changes of Atmospheric Energy Cycle in CMIP5 Climate Models. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	4
948	Projections of rainfall erosivity in climate change scenarios for the largest watershed within Brazilian territory. Catena, 2022, 213, 106225.	2.2	7
949	Hourly future climate scenario datasets for impact assessment of climate change considering simultaneous interactions among multiple meteorological factors. Data in Brief, 2022, 42, 108047.	0.5	3
950	Climate change may plunder the facultative top predator Yellow-throated Martin from the Hindu-Kush Himalayan Region. Ecological Informatics, 2022, 69, 101622.	2.3	3
951	Differing responses of precipitation in Northern Hemisphere mid-latitudes to increased black carbon aerosols and carbon dioxide. Environmental Research, 2022, 210, 112938.	3.7	1

#	ARTICLE	IF	CITATIONS
952	Comparison of elevation-dependent warming and its drivers in the tropical and subtropical Andes. Climate Dynamics, 2022, 58, 3057-3074.	1.7	8
953	Phenology dictates the impact of climate change on geographic distributions of six co‑occurring North American grasshoppers. Ecology and Evolution, 2021, 11, 18575-18590.	0.8	2
954	Pseudo Global Warming Sensitivity Experiments of Subtropical Cyclone Anita (2010) Under RCP 8.5 Scenario. Journal of Geophysical Research D: Atmospheres, 2021, 126, .	1.2	6
955	Great Lakes Basin Heat Waves: An Analysis of Their Increasing Probability of Occurrence Under Global Warming. Frontiers in Water, 2021, 3, .	1.0	2
956	Analysis of Past and Projected Trends of Rainfall and Temperature Parameters in Eastern and Western Hararghe Zones, Ethiopia. Atmosphere, 2022, 13, 67.	1.0	11
957	Análise dos Índices de Extremos de Precipitação em Cenários Futuros na Bacia do Rio Ribeira de Iguape - São Paulo. Revista Brasileira De Meteorologia, 0, , .	0.2	3
958	Individualized and Combined Effects of Future Urban Growth and Climate Change on Irrigation Water Use in Central Arizona. Journal of the American Water Resources Association, 0, , .	1.0	3
959	Mapping the spatial distribution of the invasive Mexican Sunflower Tithonia diversifolia (Asteraceae) in South East Asia. Journal of Asia-Pacific Biodiversity, 2022, 15, 425-434.	0.2	4
960	Changes in the effects of water and nitrogen management for potato under current and future climate conditions in the U.S. Computers and Electronics in Agriculture, 2022, 197, 106980.	3.7	4
961	Impact of proxies and prior estimates on data assimilation using isotope ratios for the climate reconstruction of the last millennium. Earth and Space Science, 0, , .	1.1	1
962	A methodology for evaluating the effects of climate change on climatic design conditions for buildings and application to a case study in Madison, Wisconsin. Environmental Research: Infrastructure and Sustainability, 2022, 2, 025007.	0.9	3
963	Nonstationary extreme precipitation in Brazil. Hydrological Sciences Journal, 2022, 67, 1372-1383.	1.2	4
964	Evaluation of nested climate change models in the study of extreme events. Journal of Earth System Science, 2022, 131, .	0.6	1
965	Future climate change impacts on common bean (Phaseolus vulgaris L.) phenology and yield with crop management options in Amhara Region, Ethiopia. CABI Agriculture and Bioscience, 2022, 3, .	1.1	2
966	Empirical values and assumptions in the convection schemes of numerical models. Geoscientific Model Development, 2022, 15, 3447-3518.	1.3	9
967	Future Climate Scenarios for Northern Baffin Bay and the Pikialasorsuaq (North Water Polynya) Region. Atmosphere - Ocean, 0, , 1-22.	0.6	4
968	How Do Regional Distributions of Daily Precipitation Change under Warming?. Journal of Climate, 2022, 35, 3243-3260.	1.2	4
969	Climate change leads to higher NPP at the end of the century in the Antarctic Tundra: Response patterns through the lens of lichens. Science of the Total Environment, 2022, 835, 155495.	3.9	6

#	Article	IF	Citations
971	Statistical calibrations to improve the 2â€"5-year prediction skill for SST over the North Atlantic. Meteorology and Atmospheric Physics, 2022, 134, .	0.9	2
972	Performance assessment of CMIP5 models in tropical South America using TOPSISâ€based method. International Journal of Climatology, 0, , .	1.5	0
973	Projected changes in the near-surface atmosphere over the Barents Sea based on CMIP5 scenarios. Russian Journal of Earth Sciences, 2022, , 1-11.	0.2	1
974	Assessment of the Morphological Pattern of the Lebanon Cedar under Changing Climate: The Mediterranean Case. Land, 2022, 11, 802.	1.2	0
975	A Semi-Empirical Framework for ice sheet response analysis under Oceanic forcing in Antarctica and Greenland. Climate Dynamics, 2023, 60, 213-226.	1.7	3
976	Modeling the effect of rainfall changes to predict population dynamics of the Asian tiger mosquito Aedes albopictus under future climate conditions. PLoS ONE, 2022, 17, e0268211.	1.1	6
977	Atmospheric blockings in Coupled Model Intercomparison Project Phase 5 models with different representations of Antarctic sea ice extent. Anais Da Academia Brasileira De Ciencias, 2022, 94, .	0.3	1
978	Quantifying the climate changeâ€driven impacts on the hydrology of a dataâ€scarce watershed located in the Brazilian Tropical Savanna. Hydrological Processes, 2022, 36, .	1.1	5
979	Heat stress in Africa under high intensity climate change. International Journal of Biometeorology, 2022, 66, 1531-1545.	1.3	9
980	Predicted impacts of climate change and extreme temperature events on the future distribution of fruit bat species in Australia. Global Ecology and Conservation, 2022, 37, e02181.	1.0	6
981	The timing of unprecedented hydrological drought under climate change. Nature Communications, 2022, 13, .	5.8	77
982	Assessing extreme precipitation from a regional climate model in different spatialâ€temporal scales: A hydrological perspective in South America. International Journal of Climatology, 0, , .	1.5	1
983	Forecasting shifts in habitat suitability of three marine predators suggests a rapid decline in interâ€specific overlap under future climate change. Ecology and Evolution, 2022, 12, .	0.8	1
984	Globally widespread and increasing violations of environmental flow envelopes. Hydrology and Earth System Sciences, 2022, 26, 3315-3336.	1.9	11
985	Sustainable future and water resources: a synthesis of the Brazilian hydroelectricity sector in face of climate change. Sustainable Water Resources Management, 2022, 8, .	1.0	3
986	The impacts of climate change on cropland allocation, crop production, output prices and social welfare in Israel: A structural econometric framework. Food Policy, 2023, 115, 102311.	2.8	5
987	Low-level circulation over Central Equatorial Africa as simulated from CMIP5 to CMIP6 models. Climate Dynamics, 0, , .	1.7	4
988	The combination of genomic offset and niche modelling provides insights into climate change-driven vulnerability. Nature Communications, 2022, 13, .	5.8	10

#	ARTICLE	IF	CITATIONS
989	The ExtremeX global climate model experiment: investigating thermodynamic and dynamic processes contributing to weather and climate extremes. Earth System Dynamics, 2022, 13, 1167-1196.	2.7	4
990	Assessing and projecting surface air temperature conditions required to sustain permafrost in Japan. Progress in Earth and Planetary Science, 2022, 9, .	1.1	1
991	Forecasting the Potential Effects of Climate Change on Malaria in the Lake Victoria Basin Using Regionalized Climate Projections. Acta Parasitologica, 2022, 67, 1535-1563.	0.4	6
992	A transiting temperate-subtropical mixed forest: carbon cycle projection and uncertainty. Environmental Research Letters, 2022, 17, 094010.	2.2	1
993	Summertime Rossby waves in climate models: substantial biases in surface imprint associated with small biases in upper-level circulation. Weather and Climate Dynamics, 2022, 3, 905-935.	1.2	5
994	Modelled dynamic retreat of Kangerlussuaq Glacier, East Greenland, strongly influenced by the consecutive absence of an ice mélange in Kangerlussuaq Fjord. Journal of Glaciology, 2023, 69, 433-444.	1.1	4
995	Demographic history, local adaptation and vulnerability to climate change in a tropical mountain bird in New Guinea. Diversity and Distributions, 0, , .	1.9	1
996	Ecosystem-based fisheries risk assessment and forecasting considering a spatio-temporal component in Korean waters. Ocean and Coastal Management, 2022, 230, 106356.	2.0	1
997	Detailing cloud property feedbacks with a regime-based decomposition. Climate Dynamics, 2023, 60, 2983-3003.	1.7	3
998	A comprehensive analysis of observed and projected climate extremes of temperature and precipitation in Belo Monte Hydropower Plant â€•eastern Amazon, Brazil. International Journal of Climatology, 0, , .	1.5	1
999	How do coupled models represent the African Easterly Jets and their associated dynamics over Central Africa during the Septemberâ€"November rainy season?. Climate Dynamics, 2023, 60, 2907-2929.	1.7	2
1000	Contrasting Fate of Western Third Pole's Water Resources Under 21st Century Climate Change. Earth's Future, 2022, 10, .	2.4	17
1001	The distinct problems of physical inconsistency and of multivariate bias involved in the statistical adjustment of climate simulations. International Journal of Climatology, 2023, 43, 1211-1233.	1.5	3
1002	Future Projections of Extreme Precipitation Climate Indices over South America Based on CORDEX-CORE Multimodel Ensemble. Atmosphere, 2022, 13, 1463.	1.0	12
1003	Predicting the evolution of the Lassa virus endemic area and population at risk over the next decades. Nature Communications, 2022, 13, .	5.8	27
1004	Cloud Climatologies from Global Climate Modelsâ€"A Comparison of CMIP5 and CMIP6 Models with Satellite Data. Journal of Climate, 2023, 36, 281-311.	1.2	4
1005	Climate change and dispersion dynamics of the invasive plant species Chromolaena odorata and Lantana camara in parts of the central and eastern India. Ecological Informatics, 2022, 72, 101824.	2.3	10
1006	Priority coral conservation areas under global warming in the Amami Islands, Southern Japan. Coral Reefs, 2022, 41, 1637-1650.	0.9	2

#	Article	IF	Citations
1007	Predicted scarcity of suitable habitat for alpine plant communities in northern Japan under climate change. Applied Vegetation Science, 2022, 25, .	0.9	2
1008	Climate change projections and impacts on the eucalyptus plantation around the Doce River basin, in Minas Gerais, Brazil. Climate Services, 2022, 28, 100327.	1.0	4
1009	A national hydrological projections service for Australia. Climate Services, 2022, 28, 100331.	1.0	6
1010	Downscaling ensemble climate projections to urban scale: Brussels's future climate at 1.5ÂÂ°C, 2ÂÂ°C, and 3ÂÂ°C global warming. Urban Climate, 2022, 46, 101319.	2.4	5
1011	AnÃ¡lisis de la incidencia del cambio climÃ¡tico en especies de aves amenazadas en los Andes peruanos: modelos de distribuciÃ³n y propuestas de conectividad. Pirineos, 0, 177, e071.	0.6	0
1012	Sources and uncertainties of future global drought risk with ISIMIP2b climate scenarios and socioeconomic indicators. Science of the Total Environment, 2023, 859, 160371.	3.9	4
1013	The role of Renaissance dam in reducing hydrological extremes in the Upper Blue Nile Basin: Current and future climate scenarios. Journal of Hydrology, 2023, 616, 128753.	2.3	6
1014	Impact of climate change on the flow of the Doce River basin. Revista Brasileira De Recursos Hidricos, 0, 27, .	0.5	0
1017	Evaluating Climate Change Impacts on Cotton Phenology and Yield Under Full and Deficit Irrigation Conditions in an Extremely Arid Oasis. International Journal of Plant Production, 2023, 17, 49-63.	1.0	1
1018	Poor correlation between large-scale environmental flow violations and freshwater biodiversity: implications for water resource management and the freshwater planetary boundary. Hydrology and Earth System Sciences, 2022, 26, 6247-6262.	1.9	1
1019	Impacts of climate change on the intensity-duration-frequency curves of two urbanized areas in Brazil using the high-resolution Eta atmospheric model. Urban Water Journal, 0, , 1-17.	1.0	0
1020	A Comparative Assessment of Changes in Heat-Related Mortality Risk Under the RCP2.6 and RCP8.5 Scenarios Based on the CORDEX-CORE Ensembles. Asia-Pacific Journal of Atmospheric Sciences, 0, , .	1.3	0
1022	Future climate implication on maize (Zea mays) productivity with adaptive options at Harbu district, Ethiopia. Journal of Agriculture and Food Research, 2022, , 100480.	1.2	2
1023	Changes to population-based emergence of climate change from CMIP5 to CMIP6. Environmental Research Letters, 0, , .	2.2	2
1024	Species distribution modeling of a cucurbit Herpetospermum darjeelingense in Darjeeling Himalaya, India. Journal of Threatened Taxa, 2022, 14, 22221-22231.	0.1	0
1025	Individual and combined impacts of urbanization and climate change on catchment runoff in Southeast Queensland, Australia. Science of the Total Environment, 2023, 861, 160528.	3.9	3
1027	Dependence of column ozone on future ODSs and GHGs in the variability of 500-ensemble members. Scientific Reports, 2023, 13, .	1.6	2
1028	Robustness of precipitation Emergent Constraints in CMIP6 models. Climate Dynamics, 2023, 61, 1439-1450.	1.7	1

#	Article	IF	Citations
1030	The representation of summer monsoon rainfall over northeast India: assessing the performance of CORDEX-CORE model experiments. Theoretical and Applied Climatology, 2023, 151, 1949-1962.	1.3	3
1031	Cell-level coupling of a mechanistic model to cellular automata for improving land simulation. GIScience and Remote Sensing, 2023, 60, .	2.4	5
1032	On the sustainability of paddy rice cultivation in the ParaÃba do Sul river basin (Brazil) under a changing climate. Journal of Cleaner Production, 2023, 386, 135760.	4.6	1
1033	Revisiting the Precursors of Cyclonic Systems in the CORDEX RCM REMO2009 Simulations. Pure and Applied Geophysics, 2023, 180, 277-312.	0.8	2
1034	The impact of lateral boundary forcing in the CORDEX-Africa ensemble over southern Africa. Geoscientific Model Development, 2023, 16, 1887-1908.	1.3	1
1035	An assessment of South American sediment fluxes under climate changes. Science of the Total Environment, 2023, 879, 163056.	3.9	1
1036	Future climate change for major agricultural zones in China as projected by CORDEX-EA-II, CMIP5 and CMIP6 ensembles. Atmospheric Research, 2023, 288, 106731.	1.8	10
1037	Nest habitat distribution and spatio-temporal dynamics based on multi-scale modeling: Implications for the endangered Oriental Storks (Ciconia boyciana) conservation in China. Global Ecology and Conservation, 2023, 43, e02439.	1.0	1
1038	Environmental and climatic drivers of phenotypic evolution and distribution changes in a widely distributed subfamily of subterranean mammals. Science of the Total Environment, 2023, 878, 163177.	3.9	3
1039	Water balance components and climate extremes over Brazil under 1.5ÂÂ°C and 2.0ÂÂ°C of global warming scenarios. Regional Environmental Change, 2023, 23, .	1.4	4
1040	Assessing climate change impact on flood discharge in South America and the influence of its main drivers. Journal of Hydrology, 2023, 619, 129284.	2.3	5
1041	å',æ°°å…¥ä¾¾µå'Œæ°°å€™å˜åŒ–æ¡ä»¶ä¸‹è¶Šå—æ²æµ·Tra Vinhçœç¡„åœ°ä¸æ°°å•æŒ»å^©©ç"". Hydrogeology Journal, 2023, 31, 73	0.9	1
1042	The Role of Crop Management Practices and Adaptation Options to Minimize the Impact of Climate Change on Maize (Zea mays L.) Production for Ethiopia. Atmosphere, 2023, 14, 497.	1.0	3
1043	Projections of synoptic anticyclones for the twenty-first century. Climate Dynamics, 2023, 61, 3271-3287.	1.7	2
1044	A Modeling Framework to Frame a Biological Invasion: Impatiens glandulifera in North America. Plants, 2023, 12, 1433.	1.6	1
1045	Groundwater Modeling to Assess Climate Change Impacts and Sustainability in the Tana Basin, Upper Blue Nile, Ethiopia. Sustainability, 2023, 15, 6284.	1.6	1
1066	Impacts of Air Pollutants on Climate Change: Importance of SLCF Co-Control for Climate Change Mitigation in Short- and Long-Term Future. , 2023, , 1-25.		0
1079	Impacts of Air Pollutants on Climate Change: Importance of SLCF Co-control for Climate Change Mitigation in Short- and Long-Term Future. , 2023, , 1273-1297.		0

#	ARTICLE	IF	CITATIONS
1095	Future climate scenario impacts on peatland and constructed wetland water quality under water level management. , 2024, , 431-452.		0
1098	Climate Change in Global Cities. , 2024, , 47-57.		0