

Bin Wang

List of Publications by Year in descending order

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285
papers

20,330
citations

16411

64
h-index

11288

136
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288
all docs

288
docs citations

288
times ranked

10407
citing authors

#	ARTICLE	IF	CITATIONS
1	Pacific–East Asian Teleconnection: How Does ENSO Affect East Asian Climate?. Journal of Climate, 2000, 13, 1517-1536.	1.2	2,340
2	Rainy Season of the Asian–Pacific Summer Monsoon*. Journal of Climate, 2002, 15, 386-398.	1.2	1,132
3	Interannual Variability of the Asian Summer Monsoon: Contrasts between the Indian and the Western North Pacific–East Asian Monsoons*. Journal of Climate, 2001, 14, 4073-4090.	1.2	887
4	Circumglobal Teleconnection in the Northern Hemisphere Summer*. Journal of Climate, 2005, 18, 3483-3505.	1.2	867
5	Global Atmospheric Emissions of Polycyclic Aromatic Hydrocarbons from 1960 to 2008 and Future Predictions. Environmental Science & Technology, 2013, 47, 6415-6424.	4.6	661
6	Atmosphere–Warm Ocean Interaction and Its Impacts on Asian–Australian Monsoon Variation*. Journal of Climate, 2003, 16, 1195-1211.	1.2	624
7	Fundamental challenge in simulation and prediction of summer monsoon rainfall. Geophysical Research Letters, 2005, 32, .	1.5	566
8	Subtropical High predictability establishes a promising way for monsoon and tropical storm predictions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2718-2722.	3.3	477
9	Structures and Mechanisms of the Northward Propagating Boreal Summer Intraseasonal Oscillation*. Journal of Climate, 2004, 17, 1022-1039.	1.2	462
10	An empirical seasonal prediction model of the east Asian summer monsoon using ENSO and NAO. Journal of Geophysical Research, 2009, 114, .	3.3	403
11	Pacific–East Asian Teleconnection. Part II: How the Philippine Sea Anomalous Anticyclone is Established during El Niño Development*. Journal of Climate, 2002, 15, 3252-3265.	1.2	372
12	Global monsoon: Dominant mode of annual variation in the tropics. Dynamics of Atmospheres and Oceans, 2008, 44, 165-183.	0.7	368
13	Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region. Climate Dynamics, 2013, 40, 493-509.	1.7	368
14	Tropospheric cooling and summer monsoon weakening trend over East Asia. Geophysical Research Letters, 2004, 31, .	1.5	364
15	Advance and prospectus of seasonal prediction: assessment of the APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980–2004). Climate Dynamics, 2009, 33, 93-117.	1.7	347
16	Northern Hemisphere summer monsoon intensified by mega-El Niño/southern oscillation and Atlantic multidecadal oscillation. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 5347-5352.	3.3	313
17	Ensemble Simulations of Asian–Australian Monsoon Variability by 11 AGCMs*. Journal of Climate, 2004, 17, 803-818.	1.2	287
18	Coupling between Northward-Propagating, Intraseasonal Oscillations and Sea Surface Temperature in the Indian Ocean*. Journals of the Atmospheric Sciences, 2003, 60, 1733-1753.	0.6	266

#	ARTICLE	IF	CITATIONS
19	The flexible global ocean-atmosphere-land system model, Grid-point Version 2: FGOALS-g2. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 543-560.	1.9	253
20	Changes in global monsoon precipitation over the past 56 years. <i>Geophysical Research Letters</i> , 2006, 33, .	1.5	249
21	Northern Hemisphere Summer Monsoon Singularities and Climatological Intraseasonal Oscillation. <i>Journal of Climate</i> , 1997, 10, 1071-1085.	1.2	217
22	The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 561-576.	1.9	210
23	An Ensemble-Based Four-Dimensional Variational Data Assimilation Scheme. Part I: Technical Formulation and Preliminary Test. <i>Monthly Weather Review</i> , 2008, 136, 3363-3373.	0.5	209
24	Drought in Late Spring of South China in Recent Decades. <i>Journal of Climate</i> , 2006, 19, 3197-3206.	1.2	191
25	How Well Do Atmospheric General Circulation Models Capture the Leading Modes of the Interannual Variability of the Asianâ€“Australian Monsoon?. <i>Journal of Climate</i> , 2009, 22, 1159-1173.	1.2	184
26	A Highly Resolved Regional Climate Model (IPRC-RegCM) and Its Simulation of the 1998 Severe Precipitation Event over China. Part I: Model Description and Verification of Simulation*. <i>Journal of Climate</i> , 2003, 16, 1721-1738.	1.2	181
27	Rethinking Indian monsoon rainfall prediction in the context of recent global warming. <i>Nature Communications</i> , 2015, 6, 7154.	5.8	165
28	Summer rainfall over the southwestern Tibetan Plateau controlled by deep convection over the Indian subcontinent. <i>Nature Communications</i> , 2016, 7, 10925.	5.8	160
29	Cracking the MJO nut. <i>Geophysical Research Letters</i> , 2013, 40, 1223-1230.	1.5	154
30	Onset of the Summer Monsoon over the Indochina Peninsula: Climatology and Interannual Variations*. <i>Journal of Climate</i> , 2002, 15, 3206-3221.	1.2	151
31	Human-induced greening of the northern extratropical land surface. <i>Nature Climate Change</i> , 2016, 6, 959-963.	8.1	145
32	Simulation of the Intraseasonal Oscillation in the ECHAM-4 Model: The Impact of Coupling with an Ocean Model*. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 1433-1453.	0.6	143
33	Differences of Boreal Summer Intraseasonal Oscillations Simulated in an Atmosphereâ€“Ocean Coupled Model and an Atmosphere-Only Model*. <i>Journal of Climate</i> , 2004, 17, 1263-1271.	1.2	143
34	The NUIST Earth System Model (NESM) version 3: description and preliminary evaluation. <i>Geoscientific Model Development</i> , 2018, 11, 2975-2993.	1.3	135
35	Climate Effects of the Deep Continental Stratus Clouds Generated by the Tibetan Plateau. <i>Journal of Climate</i> , 2004, 17, 2702-2713.	1.2	131
36	How are seasonal prediction skills related to modelsâ€™ performance on mean state and annual cycle?. <i>Climate Dynamics</i> , 2010, 35, 267-283.	1.7	131

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37	How accurately do coupled climate models predict the leading modes of Asian-Australian monsoon interannual variability?. <i>Climate Dynamics</i> , 2008, 30, 605-619.	1.7	129
38	The Flexible Global Ocean-Atmosphere-Land System Model Grid-Point Version 3 (FGOALS-g3): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002012.	1.3	129
39	Distinct Principal Modes of Early and Late Summer Rainfall Anomalies in East Asia*. <i>Journal of Climate</i> , 2009, 22, 3864-3875.	1.2	123
40	Interannual Variations of the Boreal Summer Intraseasonal Oscillation in the Asian-Pacific Region*. <i>Journal of Climate</i> , 2003, 16, 3572-3584.	1.2	122
41	An Ensemble-Based Four-Dimensional Variational Data Assimilation Scheme. Part II: Observing System Simulation Experiments with Advanced Research WRF (ARW). <i>Monthly Weather Review</i> , 2009, 137, 1687-1704.	0.5	115
42	Conditional nonlinear optimal perturbations as the optimal precursors for El Nino-Southern Oscillation events. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	108
43	The Time-Space Structure of the Asian-Pacific Summer Monsoon: A Fast Annual Cycle View*. <i>Journal of Climate</i> , 2002, 15, 2001-2019.	1.2	108
44	Asian summer monsoon rainfall predictability: a predictable mode analysis. <i>Climate Dynamics</i> , 2015, 44, 61-74.	1.7	106
45	Variable and robust East Asian monsoon rainfall response to El Niño over the past 60 years (1957-2016). <i>Advances in Atmospheric Sciences</i> , 2017, 34, 1235-1248.	1.9	105
46	Design of a new dynamical core for global atmospheric models based on some efficient numerical methods. <i>Science in China Series A: Mathematics</i> , 2004, 47, 4.	0.5	102
47	Fundamental Causes of Propagating and Nonpropagating MJOs in MJOTF/GASS Models. <i>Journal of Climate</i> , 2017, 30, 3743-3769.	1.2	102
48	Season-dependent dynamics of nonlinear optimal error growth and El Niño-Southern Oscillation predictability in a theoretical model. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	101
49	Mechanisms for the Advanced Asian Summer Monsoon Onset since the Mid-to-Late 1990s*. <i>Journal of Climate</i> , 2013, 26, 1993-2009.	1.2	101
50	Why Is There an Early Spring Cooling Shift Downstream of the Tibetan Plateau?. <i>Journal of Climate</i> , 2005, 18, 4660-4668.	1.2	97
51	The Boreal-Summer Intraseasonal Oscillations Simulated in a Hybrid Coupled Atmosphere-Ocean Model*. <i>Monthly Weather Review</i> , 2004, 132, 2628-2649.	0.5	95
52	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. <i>Geoscientific Model Development</i> , 2016, 9, 3589-3604.	1.3	93
53	Detecting human influence on extreme temperatures in China. <i>Geophysical Research Letters</i> , 2013, 40, 1171-1176.	1.5	91
54	Initialization and Simulation of a Landfalling Hurricane Using a Variational Bogus Data Assimilation Scheme. <i>Monthly Weather Review</i> , 2000, 128, 2252-2269.	0.5	89

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55	Formation Mechanism for 2015/16 Super El Niño. Scientific Reports, 2017, 7, 2975.	1.6	89
56	How predictable is the northern hemisphere summer upper-tropospheric circulation?. Climate Dynamics, 2011, 37, 1189-1203.	1.7	84
57	Deficiencies and possibilities for long-lead coupled climate prediction of the Western North Pacific-East Asian summer monsoon. Climate Dynamics, 2011, 36, 1173-1188.	1.7	81
58	Regional Model Simulations of Marine Boundary Layer Clouds over the Southeast Pacific off South America. Part I: Control Experiment*. Monthly Weather Review, 2004, 132, 274-296.	0.5	80
59	Critical Roles of the Stratiform Rainfall in Sustaining the Madden-Julian Oscillation: GCM Experiments*. Journal of Climate, 2009, 22, 3939-3959.	1.2	80
60	Peak-summer East Asian rainfall predictability and prediction part I: Southeast Asia. Climate Dynamics, 2016, 47, 1-13.	1.7	79
61	Predictability of summer northwest Pacific climate in 11 coupled model hindcasts: Local and remote forcing. Journal of Geophysical Research, 2010, 115, .	3.3	78
62	Evaluation of grid-point atmospheric model of IAP LASC version 2 (GAMIL2). Advances in Atmospheric Sciences, 2013, 30, 855-867.	1.9	75
63	An economical approach to four-dimensional variational data assimilation. Advances in Atmospheric Sciences, 2010, 27, 715-727.	1.9	73
64	Seasonal prediction and predictability of the Asian winter temperature variability. Climate Dynamics, 2013, 41, 573-587.	1.7	68
65	Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation. Climate Dynamics, 2013, 40, 2761-2774.	1.7	64
66	Data assimilation and its applications. Proceedings of the National Academy of Sciences of the United States of America, 2000, 97, 11143-11144.	3.3	61
67	Sensitivity of Dynamical Intraseasonal Prediction Skills to Different Initial Conditions. Monthly Weather Review, 2011, 139, 2572-2592.	0.5	60
68	Evaluation of the atmospheric transport in a GCM using radon measurements: sensitivity to cumulus convection parameterization. Atmospheric Chemistry and Physics, 2008, 8, 2811-2832.	1.9	59
69	Prediction of early summer rainfall over South China by a physical-empirical model. Climate Dynamics, 2014, 43, 1883-1891.	1.7	57
70	Predictability and prediction skill of the boreal summer intraseasonal oscillation in the Intraseasonal Variability Hindcast Experiment. Climate Dynamics, 2015, 45, 2123-2135.	1.7	57
71	Are Peak Summer Sultry Heat Wave Days over the Yangtze-Huaihe River Basin Predictable?. Journal of Climate, 2018, 31, 2185-2196.	1.2	56
72	Asian Summer Precipitation over the Past 544 Years Reconstructed by Merging Tree Rings and Historical Documentary Records. Journal of Climate, 2018, 31, 7845-7861.	1.2	56

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73	Contributions of natural and anthropogenic forcings to the summer cooling over eastern China: An AGCM study. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	51
74	Anticorrelated intensity change of the quasi-biweekly and 30-50-day oscillations over the South China Sea. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	51
75	MJO in the NCAR CAM2 with the Tiedtke Convective Scheme*. <i>Journal of Climate</i> , 2005, 18, 3007-3020.	1.2	48
76	Large-Scale Atmospheric Forcing by Southeast Pacific Boundary Layer Clouds: A Regional Model Study*. <i>Journal of Climate</i> , 2005, 18, 934-951.	1.2	47
77	Interannual variations of the boreal summer intraseasonal variability predicted by ten atmosphere-ocean coupled models. <i>Climate Dynamics</i> , 2008, 30, 485-496.	1.7	46
78	Intraseasonal Forecasting of the Asian Summer Monsoon in Four Operational and Research Models*. <i>Journal of Climate</i> , 2013, 26, 4186-4203.	1.2	46
79	Effects of intraseasonal oscillation on South China Sea summer monsoon onset. <i>Climate Dynamics</i> , 2018, 51, 2543-2558.	1.7	46
80	Development of Climate and Earth System Models in China: Past Achievements and New CMIP6 Results. <i>Journal of Meteorological Research</i> , 2020, 34, 1-19.	0.9	46
81	Community Integrated Earth System Model (CIesm): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002036.	1.3	44
82	Future Change of Northern Hemisphere Summer Tropical-Extratropical Teleconnection in CMIP5 Models*. <i>Journal of Climate</i> , 2014, 27, 3643-3664.	1.2	43
83	Improvements in climate simulation with modifications to the Tiedtke convective parameterization in the grid-point atmospheric model of IAP LAGG (GAMIL). <i>Advances in Atmospheric Sciences</i> , 2007, 24, 323-335.	1.9	42
84	Coupled model simulations of climate changes in the 20th century and beyond. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 641-654.	1.9	41
85	Local structure-preserving algorithms for partial differential equations. <i>Science in China Series A: Mathematics</i> , 2008, 51, 2115-2136.	0.5	41
86	Reduction of the thermocline feedback associated with mean SST bias in ENSO simulation. <i>Climate Dynamics</i> , 2012, 39, 1413-1430.	1.7	41
87	How are heat waves over Yangtze River valley associated with atmospheric quasi-biweekly oscillation?. <i>Climate Dynamics</i> , 2018, 51, 4421-4437.	1.7	41
88	A fast version of LAGG/IAP climate system model and its 1000-year control integration. <i>Advances in Atmospheric Sciences</i> , 2008, 25, 655-672.	1.9	39
89	MJO Propagation Shaped by Zonal Asymmetric Structures: Results from 24 GCM Simulations. <i>Journal of Climate</i> , 2017, 30, 7933-7952.	1.2	39
90	Disproportionate control on aerosol burden by light rain. <i>Nature Geoscience</i> , 2021, 14, 72-76.	5.4	39

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91	Mechanisms of the decadal variability of monsoon rainfall in the southern Tibetan Plateau. <i>Environmental Research Letters</i> , 2021, 16, 014011.	2.2	39
92	Daily to submonthly weather and climate characteristics of the summer 1998 extreme rainfall over the Yangtze River Basin. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	37
93	Moisture Sources for Wintertime Extreme Precipitation Events Over South China During 1979â€“2013. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6690-6712.	1.2	36
94	Versions g1.0 and g1.1 of the LASG/IAP Flexible Global Ocean-Atmosphere-Land System model. <i>Advances in Atmospheric Sciences</i> , 2011, 28, 99-117.	1.9	34
95	Hydrological issues in lateral boundary conditions for regional climate modeling: simulation of east asian summer monsoon in 1998. <i>Climate Dynamics</i> , 2008, 31, 477-490.	1.7	33
96	Fidelity of the Observational/Reanalysis Datasets and Global Climate Models in Representation of Extreme Precipitation in East China. <i>Journal of Climate</i> , 2019, 32, 195-212.	1.2	32
97	CAS FGOALS-g3 Model Datasets for the CMIP6 Scenario Model Intercomparison Project (ScenarioMIP). <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1081-1092.	1.9	31
98	Reduction of systematic biases in regional climate downscaling through ensemble forcing. <i>Climate Dynamics</i> , 2012, 38, 655-665.	1.7	30
99	Roles of Synoptic to Quasi-Biweekly Disturbances in Generating the Summer 2003 Heavy Rainfall in East China. <i>Monthly Weather Review</i> , 2014, 142, 886-904.	0.5	30
100	A possible mechanism for the occurrence of wintertime extreme precipitation events over South China. <i>Climate Dynamics</i> , 2019, 52, 2367-2384.	1.7	30
101	Conditional Nonlinear Optimal Perturbations: Adjoint-Free Calculation Method and Preliminary Test. <i>Monthly Weather Review</i> , 2010, 138, 1043-1049.	0.5	29
102	On the Non-Stationary Relationship between the Siberian High and Arctic Oscillation. <i>PLoS ONE</i> , 2016, 11, e0158122.	1.1	29
103	Predictable patterns of the Mayâ€“June rainfall anomaly over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2203-2217.	1.2	28
104	Improved track forecasting of a typhoon reaching landfall from four-dimensional variational data assimilation of AMSU-A retrieved data. <i>Journal of Geophysical Research</i> , 2005, 110, n/a-n/a.	3.3	27
105	The Role of Moist Processes in Shortwave Radiative Feedback during ENSO in the CMIP5 Models. <i>Journal of Climate</i> , 2015, 28, 9892-9908.	1.2	27
106	Characterizing two types of transient intraseasonal oscillations in the Eastern Tibetan Plateau summer rainfall. <i>Climate Dynamics</i> , 2017, 48, 1749-1768.	1.7	27
107	High-order multi-symplectic schemes for the nonlinear Kleinâ€“Gordon equation. <i>Applied Mathematics and Computation</i> , 2005, 166, 608-632.	1.4	26
108	Prediction of Meiyu rainfall in Taiwan by multi-lead physicalâ€“empirical models. <i>Climate Dynamics</i> , 2015, 44, 3033-3042.	1.7	26

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109	Impact of horizontal resolution on the regional climate simulations of the summer 1998 extreme rainfall along the Yangtze River Basin. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	25
110	Possible mechanisms for four regimes associated with cold events over East Asia. <i>Climate Dynamics</i> , 2018, 51, 35-56.	1.7	25
111	C-Coupler2: a flexible and user-friendly community coupler for model coupling and nesting. <i>Geoscientific Model Development</i> , 2018, 11, 3557-3586.	1.3	25
112	Comparison of Local and Nonlocal Observation Operators for the Assimilation of GPS RO Data with the NCEP GSI System: An OSSE Study. <i>Monthly Weather Review</i> , 2009, 137, 3575-3587.	0.5	24
113	The Role of Nonconvective Condensation Processes in Response of Surface Shortwave Cloud Radiative Forcing to El Niño Warming. <i>Journal of Climate</i> , 2014, 27, 6721-6736.	1.2	24
114	Major modes of short-term climate variability in the newly developed NUIST Earth System Model (NESM). <i>Advances in Atmospheric Sciences</i> , 2015, 32, 585-600.	1.9	24
115	Reduction of initial shock in decadal predictions using a new initialization strategy. <i>Geophysical Research Letters</i> , 2017, 44, 8538-8547.	1.5	24
116	Tropospheric aerosol size distributions simulated by three online global aerosol models using the M7 microphysics module. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6409-6434.	1.9	23
117	What caused the cool summer over northern Central Asia, East Asia and central North America during 2009?. <i>Environmental Research Letters</i> , 2012, 7, 044015.	2.2	22
118	Assessment of the long-lead probabilistic prediction for the Asian summer monsoon precipitation (1983-2011) based on the APCC multimodel system and a statistical model. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	22
119	A Modeling Study of a Low-Level Jet along the Yun-Gui Plateau in South China. <i>Journal of Applied Meteorology and Climatology</i> , 2016, 55, 41-60.	0.6	22
120	How predictable is the winter extremely cold days over temperate East Asia?. <i>Climate Dynamics</i> , 2017, 48, 2557-2568.	1.7	22
121	Predictability and prediction of summer rainfall in the arid and semi-arid regions of China. <i>Climate Dynamics</i> , 2017, 49, 419-431.	1.7	22
122	Impacts of external forcing on the 20th century global warming. <i>Science Bulletin</i> , 2007, 52, 3148-3154.	1.7	21
123	Long-Lead Seasonal Prediction of China Summer Rainfall Using an EOF-PLS Regression-Based Methodology*. <i>Journal of Climate</i> , 2016, 29, 1783-1796.	1.2	21
124	A single ice approach using varying ice particle properties in global climate model microphysics. <i>Journal of Advances in Modeling Earth Systems</i> , 2017, 9, 2138-2157.	1.3	21
125	Double Trouble of Air Pollution by Anthropogenic Dust. <i>Environmental Science & Technology</i> , 2022, 56, 761-769.	4.6	21
126	Numerical implementation of the multisymplectic Preissman scheme and its equivalent schemes. <i>Applied Mathematics and Computation</i> , 2004, 149, 299-326.	1.4	20

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127	Global Air-Sea CO ₂ Flux in 22 CMIP5 Models: Multiyear Mean and Interannual Variability*. Journal of Climate, 2016, 29, 2407-2431.	1.2	20
128	Simulation and evaluation of terrestrial ecosystem NPP with M-SDGVM over continental China. Advances in Atmospheric Sciences, 2010, 27, 427-442.	1.9	19
129	Advances in low-level jet research and future prospects. Journal of Meteorological Research, 2014, 28, 57-75.	1.0	19
130	Summer precipitation anomalies in Asia and North America induced by Eurasian non-monsoon land heating versus ENSO. Scientific Reports, 2016, 6, 21346.	1.6	19
131	On the Formation Mechanism for Wintertime Extreme Precipitation Events Over the Southeastern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,692.	1.2	19
132	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. Earth and Planetary Physics, 2018, 2, 276-291.	0.4	19
133	Assimilation of GPS Radio Occultation Data for an Intense Atmospheric River with the NCEP Regional GSI System. Monthly Weather Review, 2011, 139, 2170-2183.	0.5	18
134	Preliminary evaluations of FGOALS-g2 for decadal predictions. Advances in Atmospheric Sciences, 2013, 30, 674-683.	1.9	18
135	A potential vorticity-based index for the East Asian winter monsoon. Journal of Geophysical Research D: Atmospheres, 2016, 121, 9382-9399.	1.2	18
136	Significant Land Contributions to Interannual Predictability of East Asian Summer Monsoon Rainfall. Earth's Future, 2021, 9, e2020EF001762.	2.4	18
137	A new method for judging the computational stability of the difference schemes of nonlinear evolution equations. Science Bulletin, 2000, 45, 1358-1361.	1.7	17
138	On the retrieval of sea ice thickness and snow depth using concurrent laser altimetry and L-band remote sensing data. Cryosphere, 2018, 12, 993-1012.	1.5	17
139	New multisymplectic self-adjoint scheme and its composition scheme for the time-domain Maxwell's equations. Journal of Mathematical Physics, 2006, 47, 123508.	0.5	16
140	A Comparison of Two Tropical Cyclone Bogussing Schemes. Weather and Forecasting, 2008, 23, 194-204.	0.5	16
141	Synoptic Conditions and Moisture Sources for Extreme Snowfall Events Over East China. Journal of Geophysical Research D: Atmospheres, 2019, 124, 601-623.	1.2	16
142	Contrasting influences of biogeophysical and biogeochemical impacts of historical land use on global economic inequality. Nature Communications, 2022, 13, 2479.	5.8	16
143	A comparative analysis of computational stability for linear and non-linear evolution equations. Advances in Atmospheric Sciences, 2002, 19, 699-704.	1.9	15
144	Consistency problem with tracer advection in the Atmospheric Model GAMIL. Advances in Atmospheric Sciences, 2008, 25, 306-318.	1.9	15

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145	Reducing biases in regional climate downscaling by applying Bayesian model averaging on large-scale forcing. <i>Climate Dynamics</i> , 2012, 39, 2523-2532.	1.7	15
146	Exploring the combined effects of the Arctic Oscillation and ENSO on the wintertime climate over East Asia using self-organizing maps. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 9107-9129.	1.2	15
147	A fast input/output library for high-resolution climate models. <i>Geoscientific Model Development</i> , 2014, 7, 93-103.	1.3	15
148	Season-Dependent Forecast Skill of the Leading Forced Atmospheric Circulation Pattern over the North Pacific and North American Region*. <i>Journal of Climate</i> , 2012, 25, 7248-7265.	1.2	14
149	Potential vorticity regimes over East Asia during winter. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 1524-1544.	1.2	14
150	A robust equatorial Pacific westerly response to tropical volcanism in multiple models. <i>Climate Dynamics</i> , 2020, 55, 3413-3429.	1.7	14
151	The GAMIL3: Model Description and Evaluation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032574.	1.2	13
152	Numerical simulation of an unsaturated flow equation. <i>Science in China Series D: Earth Sciences</i> , 1998, 41, 429-436.	0.9	12
153	Parallel computing of a variational data assimilation model for GPS/MET observation using the ray-tracing method. <i>Advances in Atmospheric Sciences</i> , 2004, 21, 220-226.	1.9	12
154	Aerosol Indirect Effects on Warm Clouds in the Grid-Point Atmospheric Model of IAP LASG (GAMIL). <i>Atmospheric and Oceanic Science Letters</i> , 2010, 3, 237-241.	0.5	12
155	Evaluating the Performances of GAMIL1.0 and GAMIL2.0 during TWICE with CAPT. <i>Atmospheric and Oceanic Science Letters</i> , 2012, 5, 38-42.	0.5	12
156	Trajectory-Tracking Scheme in Lagrangian Form for Solving Linear Advection Problems: Preliminary Tests. <i>Monthly Weather Review</i> , 2012, 140, 650-663.	0.5	12
157	Comparison of three ice cloud optical schemes in climate simulations with community atmospheric model version 5. <i>Atmospheric Research</i> , 2018, 204, 37-53.	1.8	12
158	Dynamics-oriented diagnostics for the Madden-Julian Oscillation. <i>Journal of Climate</i> , 2018, , .	1.2	12
159	Impacts of Changes of External Forcings from CMIP5 to CMIP6 on Surface Temperature in FGOALS-g2. <i>Scientific Online Letters on the Atmosphere</i> , 2019, 15, 211-215.	0.6	12
160	Performance of a reconfigured atmospheric general circulation model at low resolution. <i>Advances in Atmospheric Sciences</i> , 2007, 24, 712-728.	1.9	11
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