

Bin Wang

List of Publications by Year in descending order

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285
papers

20,330
citations

16451

64
h-index

11308

136
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288
all docs

288
docs citations

288
times ranked

10407
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale Combined Action and Disturbance Characteristics of Pre-summer Extreme Precipitation Events over South China. <i>Advances in Atmospheric Sciences</i> , 2023, 40, 824-842.	4.3	3
2	Development of Moist Singular Vectors in GRAPES-GEPS and a Preliminary Evaluation. <i>Atmosphere - Ocean</i> , 2023, 61, 57-67.	1.6	1
3	An evaluation study of the DRP-4-DVar approach with the Lorenz-96 model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2022, 63, 256.	1.7	10
4	Contributions of Weakly Coupled Data Assimilation-Based Land Initialization to Interannual Predictability of Summer Climate over Europe. <i>Journal of Climate</i> , 2022, 35, 517-535.	3.2	4
5	Decreasing Dust Over the Middle East Partly Caused by Irrigation Expansion. <i>Earth's Future</i> , 2022, 10, .	6.3	9
6	Evaluating the Nature and Extent of Changes to Climate Sensitivity Between FGOALS-g2 and FGOALS-g3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	5
7	Impacts of Western Disturbances on Wintertime Precipitation Over the Southeastern Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
8	Impact of Soil Freezing-Thawing Processes on August Rainfall Over Southern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	1
9	Double Trouble of Air Pollution by Anthropogenic Dust. <i>Environmental Science & Technology</i> , 2022, 56, 761-769.	10.0	21
10	Contrasting influences of biogeophysical and biogeochemical impacts of historical land use on global economic inequality. <i>Nature Communications</i> , 2022, 13, 2479.	12.8	16
11	Impacts of Suppressing Excessive Light Rain on Aerosol Radiative Effects and Health Risks. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	3.3	0
12	Unexpected Changes of Aerosol Burdens With Decreased Convection in the Context of Scale-Aware Convection Schemes. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	0
13	Coupling of the CAS-LSM Land Surface Model With the CAS-FOALS-g3 Climate System Model. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002171.	3.8	3
14	Disproportionate control on aerosol burden by light rain. <i>Nature Geoscience</i> , 2021, 14, 72-76.	12.9	39
15	Parameterizing Subgrid Variations of Land Surface Heat Fluxes to the Atmosphere Improves Boreal Summer Land Precipitation Simulation With the NCAR CESM1.2. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	4
16	Climate response to introduction of the ESA CCI land cover data to the NCAR CESM. <i>Climate Dynamics</i> , 2021, 56, 4109-4127.	3.8	11
17	Significant Land Contributions to Interannual Predictability of East Asian Summer Monsoon Rainfall. <i>Earth's Future</i> , 2021, 9, e2020EF001762.	6.3	18
18	Improved decadal predictions of East Asian summer monsoon with a weakly coupled data assimilation scheme. <i>International Journal of Climatology</i> , 2021, 41, 5550-5571.	3.5	4

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19	Developing a common, flexible and efficient framework for weakly coupled ensemble data assimilation based on C-Coupler2.0. <i>Geoscientific Model Development</i> , 2021, 14, 2635-2657.	3.6	2
20	A new method for multi-point pollution source identification. <i>Atmospheric and Oceanic Science Letters</i> , 2021, , 100098.	1.3	2
21	An inverse method to estimate the source term of atmospheric pollutant releases. <i>Atmospheric Environment</i> , 2021, 260, 118554.	4.1	2
22	Important role of North Atlantic air-sea coupling in the interannual predictability of summer precipitation over the eastern Tibetan Plateau. <i>Climate Dynamics</i> , 2021, 56, 1433-1448.	3.8	7
23	Comparison of sea ice kinematics at different resolutions modeled with a grid hierarchy in the Community Earth System Model (version 1.2.1). <i>Geoscientific Model Development</i> , 2021, 14, 603-628.	3.6	3
24	Mechanisms of the decadal variability of monsoon rainfall in the southern Tibetan Plateau. <i>Environmental Research Letters</i> , 2021, 16, 014011.	5.2	39
25	Simulated Spatial and Temporal Distribution of Freezing and Thawing Fronts in CAS FGOALS-g3. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002152.	3.8	2
26	Study on the Sensitivity of Initial Perturbations to the Development of a Vortex Observed in Southwest China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, .	3.3	4
27	Implementation of Groundwater Lateral Flow and Human Water Regulation in CAS FGOALS-g3. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032289.	3.3	7
28	The GAMIL3: Model Description and Evaluation. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032574.	3.3	13
29	Preliminary evaluation of MJO simulation in GAMIL3 (Grid-point atmospheric model of IAP LASC). <i>Atmospheric and Oceanic Science Letters</i> , 2020, 13, 542-549.	1.3	1
30	Reducing Numerical Diffusion in Dynamical Coupling Between Atmosphere and Ocean in Community Earth System Model Version 1.2.1. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002052.	3.8	1
31	Perspectives for Tibetan Plateau data assimilation. <i>National Science Review</i> , 2020, 7, 495-499.	9.5	4
32	Analysis of and Solution to the Polar Numerical Noise Within the Shallow Water Model on the Latitude-Longitude Grid. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2020MS002047.	3.8	5
33	Favorable Circulation Patterns and Moisture Sources for Wintertime Extreme Precipitation Events Over the Balkhash-Junggar Region. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD032275.	3.3	2
34	Model Uncertainty Representation for a Convection-Allowing Ensemble Prediction System Based on CNOP-P. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 817-831.	4.3	9
35	Application and Characteristic Analysis of the Moist Singular Vector in GRAPES-GEPS. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1164-1178.	4.3	2
36	CAS FGOALS-g3 Model Datasets for the CMIP6 Scenario Model Intercomparison Project (ScenarioMIP). <i>Advances in Atmospheric Sciences</i> , 2020, 37, 1081-1092.	4.3	31

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37	A robust equatorial Pacific westerly response to tropical volcanism in multiple models. <i>Climate Dynamics</i> , 2020, 55, 3413-3429.	3.8	14
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.	3.8	129
39	Using a skillful statistical model to predict September sea ice covering Arctic shipping routes. <i>Acta Oceanologica Sinica</i> , 2020, 39, 11-25.	1.0	3
40	A DRP-4DVar-Based Coupled Data Assimilation System With a Simplified Offline Localization Technique for Decadal Predictions. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS001768.	3.8	9
41	Variability scaling and consistency in airborne and satellite altimetry measurements of Arctic sea ice. <i>Cryosphere</i> , 2020, 14, 751-767.	3.9	3
42	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.	2.4	46
43	A new DRP-4DVar-based coupled data assimilation system for decadal predictions using a fast online localization technique. <i>Climate Dynamics</i> , 2020, 54, 3541-3559.	3.8	8
44	Community Integrated Earth System Model (CIESM): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002036.	3.8	44
45	Model Biases in the Simulation of the Springtime North Pacific ENSO Teleconnection. <i>Journal of Climate</i> , 2020, 33, 9985-10002.	3.2	9
46	DiRong1.0: a distributed implementation for improving routing network generation in model coupling. <i>Geoscientific Model Development</i> , 2020, 13, 6253-6263.	3.6	3
47	A possible mechanism for the occurrence of wintertime extreme precipitation events over South China. <i>Climate Dynamics</i> , 2019, 52, 2367-2384.	3.8	30
48	The Collective Contribution of Atmospheric and Oceanic Components to ENSO Asymmetry. <i>Atmosphere</i> , 2019, 10, 469.	2.3	2
49	Warm bias of sea surface temperature in Eastern boundary current regions—a study of effects of horizontal resolution in CESM. <i>Ocean Dynamics</i> , 2019, 69, 939-954.	2.2	11
50	PatCC1: an efficient parallel triangulation algorithm for spherical and planar grids with commonality and parallel consistency. <i>Geoscientific Model Development</i> , 2019, 12, 3311-3328.	3.6	4
51	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.	1.4	12
52	Impacts of Wintertime Extratropical Cyclones on Temperature and Precipitation Over Northeastern China During 1979–2016. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 1514-1536.	3.3	11
53	Synoptic Conditions and Moisture Sources for Extreme Snowfall Events Over East China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 601-623.	3.3	16
54	Moisture Sources for Wintertime Intense Precipitation Events Over the Three Snowy Subregions of the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 12708-12725.	3.3	10

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55	Key Factors Affecting Environmental Protection Values in China. Sustainability, 2019, 11, 304.	3.2	1
56	The dominant role of the atmospheric component of coupled models in ENSO amplitude simulations. Climate Dynamics, 2019, 52, 4833-4847.	3.8	4
57	Fidelity of the Observational/Reanalysis Datasets and Global Climate Models in Representation of Extreme Precipitation in East China. Journal of Climate, 2019, 32, 195-212.	3.2	32
58	A collaborative analysis framework for distributed gridded environmental data. Environmental Modelling and Software, 2019, 111, 324-339.	4.5	4
59	Comparison of three ice cloud optical schemes in climate simulations with community atmospheric model version 5. Atmospheric Research, 2018, 204, 37-53.	4.1	12
60	Effects of intraseasonal oscillation on South China Sea summer monsoon onset. Climate Dynamics, 2018, 51, 2543-2558.	3.8	46
61	Are Peak Summer Sultry Heat Wave Days over the Yangtze-Huaihe River Basin Predictable?. Journal of Climate, 2018, 31, 2185-2196.	3.2	56
62	Uncertainties in simulated El Niño-Southern Oscillation arising from internal climate variability. Atmospheric Science Letters, 2018, 19, e805.	1.9	5
63	Dynamics-oriented diagnostics for the Madden-Julian Oscillation. Journal of Climate, 2018, , .	3.2	12
64	How are heat waves over Yangtze River valley associated with atmospheric quasi-biweekly oscillation?. Climate Dynamics, 2018, 51, 4421-4437.	3.8	41
65	Possible mechanisms for four regimes associated with cold events over East Asia. Climate Dynamics, 2018, 51, 35-56.	3.8	25
66	Grand European and Asian-Pacific multi-model seasonal forecasts: maximization of skill and of potential economical value to end-users. Climate Dynamics, 2018, 50, 2719-2738.	3.8	3
67	Precursors of September Arctic Sea-Ice Extent Based on Causal Effect Networks. Atmosphere, 2018, 9, 437.	2.3	4
68	Improving Seasonal Prediction of East Asian Summer Rainfall Using NESM3.0: Preliminary Results. Atmosphere, 2018, 9, 487.	2.3	10
69	Interannual Variation and Regime Shift of the Evaporative Moisture Sources for Wintertime Precipitation Over Southern China. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,168.	3.3	8
70	On the Formation Mechanism for Wintertime Extreme Precipitation Events Over the Southeastern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2018, 123, 12,692.	3.3	19
71	A quantitative analysis of global environmental protection values based on the world values survey data from 1994 to 2014. Environmental Monitoring and Assessment, 2018, 190, 593.	2.7	9
72	Origin of Warm SST Bias over the Atlantic Cold Tongue in the Coupled Climate Model FGOALS-g2. Atmosphere, 2018, 9, 275.	2.3	5

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73	C-Coupler2: a flexible and user-friendly community coupler for model coupling and nesting. Geoscientific Model Development, 2018, 11, 3557-3586.	3.6	25
74	The FGOALS climate system model as a modeling tool for supporting climate sciences: An overview. Earth and Planetary Physics, 2018, 2, 276-291.	1.1	19
75	On the retrieval of sea ice thickness and snow depth using a concurrent laser altimetry and L-band remote sensing data. Cryosphere, 2018, 12, 993-1012.	3.9	17
76	The NUIST Earth System Model (NESM) version 3: description and preliminary evaluation. Geoscientific Model Development, 2018, 11, 2975-2993.	3.6	135
77	Asian Summer Precipitation over the Past 544 Years Reconstructed by Merging Tree Rings and Historical Documentary Records. Journal of Climate, 2018, 31, 7845-7861.	3.2	56
78	Cloud Longwave Scattering Effect and Its Impact on Climate Simulation. Atmosphere, 2018, 9, 153.	2.3	10
79	Dynamic and Thermodynamic Factors Associated with Different Precipitation Regimes over South China during Pre-Monsoon Season. Atmosphere, 2018, 9, 219.	2.3	8
80	Impacts of uncertain cloud-related parameters on Pacific Walker circulation simulation in GAMIL2. Atmospheric and Oceanic Science Letters, 2018, 11, 7-14.	1.3	1
81	An approach to localization for ensemble-based data assimilation. PLoS ONE, 2018, 13, e0191088.	2.5	10
82	Moisture Sources for Wintertime Extreme Precipitation Events Over South China During 1979–2013. Journal of Geophysical Research D: Atmospheres, 2018, 123, 6690-6712.	3.3	36
83	Symplectic Exponential Runge-Kutta Methods for Solving Nonlinear Hamiltonian Systems. , 2018, , 85-106.		0
84	How predictable is the winter extremely cold days over temperate East Asia?. Climate Dynamics, 2017, 48, 2557-2568.	3.8	22
85	Potential vorticity regimes over East Asia during winter. Journal of Geophysical Research D: Atmospheres, 2017, 122, 1524-1544.	3.3	14
86	Fundamental Causes of Propagating and Nonpropagating MJOs in MJOTF/GASS Models. Journal of Climate, 2017, 30, 3743-3769.	3.2	102
87	Boreal Summer Intraseasonal Phases Identified by Nonlinear Multivariate Empirical Orthogonal Function-Based Self-Organizing Map (ESOM) Analysis. Journal of Climate, 2017, 30, 3513-3528.	3.2	11
88	Assessment of Responses of Tropical Pacific Air–Sea CO ₂ Flux to ENSO in 14 CMIP5 Models. Journal of Climate, 2017, 30, 8595-8613.	3.2	11
89	Variable and robust East Asian monsoon rainfall response to El Niño over the past 60 years (1957–2016). Advances in Atmospheric Sciences, 2017, 34, 1235-1248.	4.3	105
90	Improving L-band radiation model and representation of small-scale variability to simulate brightness temperature of sea ice. International Journal of Remote Sensing, 2017, 38, 7070-7084.	2.9	6

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91	MJO Propagation Shaped by Zonal Asymmetric Structures: Results from 24 GCM Simulations. <i>Journal of Climate</i> , 2017, 30, 7933-7952.	3.2	39
92	Formation Mechanism for 2015/16 Super El Niño. <i>Scientific Reports</i> , 2017, 7, 2975.	3.3	89
93	A “self-adjustment” mechanism for mixed-layer heat budget in the equatorial Atlantic cold tongue. <i>Atmospheric Science Letters</i> , 2017, 18, 82-87.	1.9	2
94	On the cooccurrence of wintertime temperature anomalies over eastern Asia and eastern North America. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 6844-6867.	3.3	4
95	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.	3.3	15
96	On the generation of coastline-following grids for ocean models—a trade-off between orthogonality and alignment to coastlines. <i>Ocean Dynamics</i> , 2017, 67, 1095-1104.	2.2	9
97	A preliminary evaluation of high-performance advanced regional eta-coordinate model (H-AREM). <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 1-8.	1.3	1
98	New approach to incorporating the impacts of non-hydrostatic perturbations in atmospheric models. <i>Atmospheric and Oceanic Science Letters</i> , 2017, 10, 379-384.	1.3	0
99	Characterizing two types of transient intraseasonal oscillations in the Eastern Tibetan Plateau summer rainfall. <i>Climate Dynamics</i> , 2017, 48, 1749-1768.	3.8	27
100	Predictability and prediction of summer rainfall in the arid and semi-arid regions of China. <i>Climate Dynamics</i> , 2017, 49, 419-431.	3.8	22
101	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.	3.8	21
102	Reduction of initial shock in decadal predictions using a new initialization strategy. <i>Geophysical Research Letters</i> , 2017, 44, 8538-8547.	4.0	24
103	Quantification of the responses of equatorial Pacific surface wind to uncertain cloud-related parameters in GAMIL2. <i>Atmospheric Science Letters</i> , 2017, 18, 458-465.	1.9	4
104	Predictable patterns of the May–June rainfall anomaly over East Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2203-2217.	3.3	28
105	Data Synergy between Altimetry and L-Band Passive Microwave Remote Sensing for the Retrieval of Sea Ice Parameters—A Theoretical Study of Methodology. <i>Remote Sensing</i> , 2017, 9, 1079.	4.0	7
106	A new adaptive data transfer library for model coupling. <i>Geoscientific Model Development</i> , 2016, 9, 2099-2113.	3.6	1
107	GMMIP (v1.0) contribution to CMIP6: Global Monsoons Model Inter-comparison Project. <i>Geoscientific Model Development</i> , 2016, 9, 3589-3604.	3.6	93
108	On the Non-Stationary Relationship between the Siberian High and Arctic Oscillation. <i>PLoS ONE</i> , 2016, 11, e0158122.	2.5	29

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109	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.	1.5	22
110	Global Air-Sea CO ₂ Flux in 22 CMIP5 Models: Multiyear Mean and Interannual Variability*. <i>Journal of Climate</i> , 2016, 29, 2407-2431.	3.2	20
111	Summer precipitation anomalies in Asia and North America induced by Eurasian non-monsoon land heating versus ENSO. <i>Scientific Reports</i> , 2016, 6, 21346.	3.3	19
112	Characteristics of pressure gradient force errors in a terrain-following coordinate. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 211-218.	1.3	2
113	A potential vorticity-based index for the East Asian winter monsoon. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 9382-9399.	3.3	18
114	Summer rainfall over the southwestern Tibetan Plateau controlled by deep convection over the Indian subcontinent. <i>Nature Communications</i> , 2016, 7, 10925.	12.8	160
115	Reducing the climate shift in a new coupled model. <i>Science Bulletin</i> , 2016, 61, 488-494.	9.0	6
116	Pressure gradient errors in a covariant method of implementing the σ -coordinate: idealized experiments and geometric analysis. <i>Atmospheric and Oceanic Science Letters</i> , 2016, 9, 270-276.	1.3	5
117	Reducing the biases in shortwave cloud radiative forcing in tropical and subtropical regions from the perspective of boundary layer processes. <i>Science China Earth Sciences</i> , 2016, 59, 1427-1439.	5.2	8
118	Human-induced greening of the northern extratropical land surface. <i>Nature Climate Change</i> , 2016, 6, 959-963.	18.8	145
119	Long-Lead Seasonal Prediction of China Summer Rainfall Using an EOF-PLS Regression-Based Methodology*,+. <i>Journal of Climate</i> , 2016, 29, 1783-1796.	3.2	21
120	Tracing the source of ENSO simulation differences to the atmospheric component of two CGCMs. <i>Atmospheric Science Letters</i> , 2016, 17, 155-161.	1.9	9
121	Advection errors in an orthogonal terrain-following coordinate: idealized experiments using steep terrains. <i>Atmospheric Science Letters</i> , 2016, 17, 243-250.	1.9	4
122	Peak-summer East Asian rainfall predictability and prediction part I: Southeast Asia. <i>Climate Dynamics</i> , 2016, 47, 1-13.	3.8	79
123	The Role of Moist Processes in Shortwave Radiative Feedback during ENSO in the CMIP5 Models. <i>Journal of Climate</i> , 2015, 28, 9892-9908.	3.2	27
124	Rethinking Indian monsoon rainfall prediction in the context of recent global warming. <i>Nature Communications</i> , 2015, 6, 7154.	12.8	165
125	Direct effect of lower-tropospheric diabatic heating on surface wind over the equatorial Pacific. <i>Atmospheric Science Letters</i> , 2015, 16, 96-102.	1.9	1
126	Prediction of Meiyu rainfall in Taiwan by multi-lead physical-empirical models. <i>Climate Dynamics</i> , 2015, 44, 3033-3042.	3.8	26

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127	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.	4.3	24
128	Asian summer monsoon rainfall predictability: a predictable mode analysis. <i>Climate Dynamics</i> , 2015, 44, 61-74.	3.8	106
129	Predictability and prediction skill of the boreal summer intraseasonal oscillation in the Intraseasonal Variability Hindcast Experiment. <i>Climate Dynamics</i> , 2015, 45, 2123-2135.	3.8	57
130	Nonlinear Ensemble Parameter Perturbation for Climate Models. <i>Journal of Climate</i> , 2015, 28, 1112-1125.	3.2	3
131	An orthogonal terrain-following coordinate and its preliminary tests using 2-D idealized advection experiments. <i>Geoscientific Model Development</i> , 2014, 7, 1767-1778.	3.6	10
132	A new method for quality control of Chinese rawinsonde wind observations. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 1293-1304.	4.3	1
133	Future Change of Northern Hemisphere Summer Tropical Extratropical Teleconnection in CMIP5 Models*. <i>Journal of Climate</i> , 2014, 27, 3643-3664.	3.2	43
134	Improvements in LICOM2. Part I: Vertical Mixing. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 531-544.	1.3	4
135	Evaluation of conditional non-linear optimal perturbation obtained by an ensemble-based approach using the Lorenz-63 model. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2014, 66, 22773.	1.7	8
136	Improvements in LICOM2. Part II: Arctic Circulation. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 233-245.	1.3	4
137	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.	1.4	30
138	Improving Parallel Performance of a Finite-Difference AGCM on Modern High-Performance Computers. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 2157-2168.	1.3	9
139	Variability of atlantic meridional overturning circulation in FGOALS-g2. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 95-109.	4.3	9
140	Prediction of early summer rainfall over South China by a physical-empirical model. <i>Climate Dynamics</i> , 2014, 43, 1883-1891.	3.8	57
141	Evaluation of snow depth and snow cover fraction simulated by two versions of the flexible global ocean-atmosphere-land system model. <i>Advances in Atmospheric Sciences</i> , 2014, 31, 407-420.	4.3	10
142	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.	3.2	24
143	Advances in low-level jet research and future prospects. <i>Journal of Meteorological Research</i> , 2014, 28, 57-75.	1.0	19
144	A fast input/output library for high-resolution climate models. <i>Geoscientific Model Development</i> , 2014, 7, 93-103.	3.6	15

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145	The effects of assimilating satellite brightness temperature and bogus data on the simulation of Typhoon Kalmaegi (2008). <i>Journal of Meteorological Research</i> , 2013, 27, 415-434.	1.0	4
146	The flexible global ocean-atmosphere-land system model, Grid-point Version 2: FGOALS-g2. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 543-560.	4.3	253
147	The Flexible Global Ocean-Atmosphere-Land system model, Spectral Version 2: FGOALS-s2. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 561-576.	4.3	210
148	Simulation of sea ice in FGOALS-g2: Climatology and late 20th century changes. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 658-673.	4.3	10
149	Preliminary evaluations of FGOALS-g2 for decadal predictions. <i>Advances in Atmospheric Sciences</i> , 2013, 30, 674-683.	4.3	18
150	Evaluation of grid-point atmospheric model of IAP LASG version 2 (GAMIL2). <i>Advances in Atmospheric Sciences</i> , 2013, 30, 855-867.	4.3	75
151	Two-moment bulk stratiform cloud microphysics in the grid-point atmospheric model of IAP LASG (GAMIL). <i>Advances in Atmospheric Sciences</i> , 2013, 30, 868-883.	4.3	9
152	Seasonal prediction and predictability of the Asian winter temperature variability. <i>Climate Dynamics</i> , 2013, 41, 573-587.	3.8	68
153	Teleconnections associated with Northern Hemisphere summer monsoon intraseasonal oscillation. <i>Climate Dynamics</i> , 2013, 40, 2761-2774.	3.8	64
154	Real-time multivariate indices for the boreal summer intraseasonal oscillation over the Asian summer monsoon region. <i>Climate Dynamics</i> , 2013, 40, 493-509.	3.8	368
155	Mechanisms for the Advanced Asian Summer Monsoon Onset since the Mid-to-Late 1990s*. <i>Journal of Climate</i> , 2013, 26, 1993-2009.	3.2	101
156	Global Atmospheric Emissions of Polycyclic Aromatic Hydrocarbons from 1960 to 2008 and Future Predictions. <i>Environmental Science & Technology</i> , 2013, 47, 6415-6424.	10.0	661
157	Cracking the MJO nut. <i>Geophysical Research Letters</i> , 2013, 40, 1223-1230.	4.0	154
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