William K Lau

List of Publications by Year
in descending order

190 papers	22,053 citations	6613 79 h-index	9345 143 g-index
196 all docs	196 docs citations	196 times ranked	12322 citing authors

#	Article	IF	Citations
1	Impact of middle east dust on subseasonal-to-seasonal variability of the Asian summer monsoon. Climate Dynamics, 2021, 57, 37-54.	3.8	6
2	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. Geoscientific Model Development, 2021, 14, 4465-4494.	3.6	31
3	How can CMIP5 AGCMsâ€™ resolution influence precipitation in mountain areas: the Hengduan Mountains?. Climate Dynamics, 2020, 54, 159-172.	3.8	11
4	Structural changes and variability of the ITCZ induced by radiationâ€“cloudâ€“convectionâ€“circulation interactions: inferences from the Goddard Multi-scale Modeling Framework (GMMF) experiments. Climate Dynamics, 2020, 54, 211-229.	3.8	17
5	Large Wildfires in the Western United States Exacerbated by Tropospheric Drying Linked to a Multiâ€Decadal Trend in the Expansion of the Hadley Circulation. Geophysical Research Letters, 2020, 47, e2020GL087911.	4.0	11
6	Impact of Dust-Cloud-Radiation-Precipitation Dynamical Feedback on Subseasonal-to-Seasonal Variability of the Asian Summer Monsoon in Global Variable-Resolution Simulations With MPAS-CAM5. Frontiers in Earth Science, 2020, 8, .	1.8	13
7	Precipitationâ€“Radiationâ€“Circulation Feedback Processes Associated with Structural Changes of the ITCZ in a Warming Climate during 1980â€“2014: An Observational Portrayal. Journal of Climate, 2020, 33, 8737-8749.	3.2	8
8	Possible Impacts of Snow Darkening Effects on the Hydrological Cycle over Western Eurasia and East Asia. Atmosphere, 2019, 10, 500.	2.3	5
9	Interdecadal Variation of Precipitation over the Hengduan Mountains during Rainy Seasons. Journal of Climate, 2019, 32, 3743-3760.	3.2	12
10	Regulation of atmospheric circulation controlling the tropical Pacific precipitation change in response to CO2 increases. Nature Communications, 2019, 10, 1108.	12.8	28
11	Relationship between Asian monsoon strength and transport of surface aerosols to the Asian Tropopause Aerosol Layer (ATAL): interannual variability and decadal changes. Atmospheric Chemistry and Physics, 2019, 19, 1901-1913.	4.9	34
12	Quantifying snow darkening and atmospheric radiative effects of black carbon and dust on the South Asian monsoon and hydrological cycle: experiments using variable-resolution CESM. Atmospheric Chemistry and Physics, 2019, 19, 12025-12049.	4.9	31
13	Recent Third Poleâ€™s Rapid Warming Accompanies Cryospheric Melt and Water Cycle Intensification and Interactions between Monsoon and Environment: Multidisciplinary Approach with Observations, Modeling, and Analysis. Bulletin of the American Meteorological Society, 2019, 100, 423-444.	3.3	590
14	Origin, Maintenance and Variability of the Asian Tropopause Aerosol Layer (ATAL): The Roles of Monsoon Dynamics. Scientific Reports, 2018, 8, 3960.	3.3	44
15	How Lightâ€Absorbing Properties of Organic Aerosol Modify the Asian Summer Monsoon Rainfall?. Journal of Geophysical Research D: Atmospheres, 2018, 123, 2244-2255.	3.3	10
16	A Paper on the Tropical Intraseasonal Oscillation Published in 1963 in a Chinese Journal. Bulletin of the American Meteorological Society, 2018, 99, 1765-1779.	3.3	37
17	Impact of Snow Darkening by Deposition of Light-Absorbing Aerosols on Snow Cover in the Himalayasâ€“Tibetan Plateau and Influence on the Asian Summer Monsoon: A Possible Mechanism for the Blanford Hypothesis. Atmosphere, 2018, 9, 438.	2.3	43
18	Impacts of Snow Darkening by Deposition of Lightâ€Absorbing Aerosols on Hydroclimate of Eurasia During Boreal Spring and Summer. Journal of Geophysical Research D: Atmospheres, 2018, 123, 8441-8461.	3.3	23

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19	Impacts of Aerosols on Climate and Weather in the Hindu-Kush-Himalayas-Gangetic Region. , 2018, , .		1
20	The relationships between the trends of mean and extreme precipitation. International Journal of Climatology, 2017, 37, 3883-3894.	3.5	9
21	Competing influences of greenhouse warming and aerosols on Asian summer monsoon circulation and rainfall. Asia-Pacific Journal of Atmospheric Sciences, 2017, 53, 181-194.	2.3	53
22	Impacts of aerosolâ€“monsoon interaction on rainfall and circulation over Northern India and the Himalaya Foothills. Climate Dynamics, 2017, 49, 1945-1960.	3.8	57
23	Changing circulation structure and precipitation characteristics in Asian monsoon regions: greenhouse warming vs. aerosol effects. Geoscience Letters, 2017, 4, .	3.3	21
24	The aerosol-monsoon climate system of Asia: A new paradigm. Journal of Meteorological Research, 2016, 30, 1-11.	2.4	44
25	Amplification of ENSO effects on Indian summer monsoon by absorbing aerosols. Climate Dynamics, 2016, 46, 2657-2671.	3.8	67
26	Aerosol and monsoon climate interactions over Asia. Reviews of Geophysics, 2016, 54, 866-929.	23.0	591
27	Detecting climate signals in precipitation extremes from TRMM (1998â€“2013)â€”Increasing contrast between wet and dry extremes during the â€œglobal warming hiatusâ€• Geophysical Research Letters, 2016, 43, 1340-1348.	4.0	29
28	Variability and predictability of West African monsoon on seasonal and decadal scales. Climate Dynamics, 2016, 47, 3391-3392.	3.8	0
29	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). Climate Dynamics, 2016, 47, 3517-3545.	3.8	39
30	Scale Dependence of Landâ€“Atmosphere Interactions in Wet and Dry Regions as Simulated with NU-WRF over the Southwestern and South-Central United States. Journal of Hydrometeorology, 2016, 17, 2121-2136.	1.9	8
31	TRMM Latent Heating Retrieval: Applications and Comparisons with Field Campaigns and Large-Scale Analyses. Meteorological Monographs, 2016, 56, 2.1-2.34.	5.0	35
32	What would happen to Superstorm Sandy under the influence of a substantially warmer Atlantic Ocean?. Geophysical Research Letters, 2016, 43, 802-811.	4.0	21
33	Total dust deposition flux during precipitation in Toyama, Japan, in the spring of 2009: A sensitivity analysis with the NASA GEOS-5 Model. Atmospheric Research, 2016, 167, 298-313.	4.1	4
34	Satellite-Surface Perspectives of Air Quality and Aerosol-Cloud Effects on the Environment: An Overview of 7-SEAS/BASELInE. Aerosol and Air Quality Research, 2016, 16, 2581-2602.	2.1	52
35	Possible mechanism of abrupt jump in winter surface air temperature in the late 1980s over the Northern Hemisphere. Journal of Geophysical Research D: Atmospheres, 2015, 120, 12474-12485.	3.3	23
36	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.	3.3	64

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37	Indian monsoon and the elevatedâ€heatâ€pump mechanism in a coupled aerosolâ€climate model. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8712-8723.	3.3	26
38	Mapping TRMM TMPA into Average Recurrence Interval for Monitoring Extreme Precipitation Events. Journal of Applied Meteorology and Climatology, 2015, 54, 979-995.	1.5	25
39	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. Environmental Modelling and Software, 2015, 67, 149-159.	4.5	95
40	Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact. Advances in Atmospheric Sciences, 2015, 32, 64-91.	4.3	223
41	Variability and Predictability of West African Droughts: A Review on the Role of Sea Surface Temperature Anomalies. Journal of Climate, 2015, 28, 4034-4060.	3.2	148
42	Robust Hadley Circulation changes and increasing global dryness due to CO ₂ warming from CMIP5 model projections. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 3630-3635.	7.1	176
43	Hurricane Sandy and Saharan dust. , 2014, , .		1
44	Global observations of aerosol-cloud-precipitation-climate interactions. Reviews of Geophysics, 2014, 52, 750-808.	23.0	316
45	The Goddard Cumulus Ensemble model (GCE): Improvements and applications for studying precipitation processes. Atmospheric Research, 2014, 143, 392-424.	4.1	49
46	Modeling the influences of aerosols on pre-monsoon circulation and rainfall over Southeast Asia. Atmospheric Chemistry and Physics, 2014, 14, 6853-6866.	4.9	33
47	Impact of assimilated and interactive aerosol on tropical cyclogenesis. Geophysical Research Letters, 2014, 41, 3282-3288.	4.0	52
48	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.	1.4	13
49	Satellite observations of desert dustâ€induced Himalayan snow darkening. Geophysical Research Letters, 2013, 40, 988-993.	4.0	131
50	Characterization of aerosols over the Indochina peninsula from satellite-surface observations during biomass burning pre-monsoon season. Atmospheric Environment, 2013, 78, 51-59.	4.1	88
51	Rain characteristics and largeâ€scale environments of precipitation objects with extreme rain volumes from TRMM observations. Journal of Geophysical Research D: Atmospheres, 2013, 118, 9673-9689.	3.3	14
52	A canonical response of precipitation characteristics to global warming from CMIP5 models. Geophysical Research Letters, 2013, 40, 3163-3169.	4.0	171
53	Absorbing aerosolâ€induced change in the early monsoon Arabian Sea lowâ€level jet: Modeled transfer from anomalous heating to nondivergent kinetic energy. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,566.	3.3	1
54	Observed recent trends in tropical cyclone rainfall over the North Atlantic and the North Pacific. Journal of Geophysical Research, 2012, 117, .	3.3	42

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55	The 2010 Pakistan Flood and Russian Heat Wave: Teleconnection of Hydrometeorological Extremes. Journal of Hydrometeorology, 2012, 13, 392-403.	1.9	309
56	Can Asian dust trigger phytoplankton blooms in the oligotrophic northern South China Sea?. Geophysical Research Letters, 2012, 39, .	4.0	29
57	Accumulation of aerosols over the Indo-Gangetic plains and southern slopes of the Himalayas: distribution, properties and radiative effects during the 2009 pre-monsoon season. Atmospheric Chemistry and Physics, 2011, 11, 12841-12863.	4.9	232
58	Impact of Interactive Aerosol on the African Easterly Jet in the NASA GEOS-5 Global Forecasting System. Weather and Forecasting, 2011, 26, 504-519.	1.4	52
59	Estimated impact of black carbon deposition during pre-monsoon season from Nepal Climate Observatory â€“ Pyramid data and snow albedo changes over Himalayan glaciers. Atmospheric Chemistry and Physics, 2010, 10, 6603-6615.	4.9	164
60	Influence of aerosol-radiative forcings on the diurnal and seasonal cycles of rainfall over West Africa and Eastern Atlantic Ocean using GCM simulations. Climate Dynamics, 2010, 35, 115-126.	3.8	40
61	Intercomparison and analyses of the climatology of the West African Monsoon in the West African Monsoon Modeling and Evaluation project (WAMME) first model intercomparison experiment. Climate Dynamics, 2010, 35, 3-27.	3.8	123
62	Enhanced surface warming and accelerated snow melt in the Himalayas and Tibetan Plateau induced by absorbing aerosols. Environmental Research Letters, 2010, 5, 025204.	5.2	318
63	Characteristics of Precipitation, Cloud, and Latent Heating Associated with the Maddenâ€“Julian Oscillation. Journal of Climate, 2010, 23, 504-518.	3.2	58
64	Fingerprinting the impacts of aerosols on longâ€term trends of the Indian summer monsoon regional rainfall. Geophysical Research Letters, 2010, 37, .	4.0	99
65	Aerosol and rainfall variability over the Indian monsoon region: distributions, trends and coupling. Annales Geophysicae, 2009, 27, 3691-3703.	1.6	179
66	A GCM study of the response of the atmospheric water cycle of West Africa and the Atlantic to Saharan dust radiative forcing. Annales Geophysicae, 2009, 27, 4023-4037.	1.6	124
67	Sensitivity of boreal-summer circulation and precipitation to atmospheric aerosols in selected regions â€“ Part 1: Africa and India. Annales Geophysicae, 2009, 27, 3989-4007.	1.6	20
68	The Goddard multi-scale modeling system with unified physics. Annales Geophysicae, 2009, 27, 3055-3064.	1.6	33
69	Numerical Simulations of the Impacts of the Saharan Air Layer on Atlantic Tropical Cyclone Development. Journal of Climate, 2009, 22, 6230-6250.	3.2	37
70	Atlantic Tropical Cyclogenetic Processes during SOP-3 NAMMA in the GEOS-5 Global Data Assimilation and Forecast System. Journals of the Atmospheric Sciences, 2009, 66, 3563-3578.	1.7	43
71	Advance and prospectus of seasonal prediction: assessment of the APCC/CliPAS 14-model ensemble retrospective seasonal prediction (1980â€“2004). Climate Dynamics, 2009, 33, 93-117.	3.8	347
72	A Multiscale Modeling System: Developments, Applications, and Critical Issues. Bulletin of the American Meteorological Society, 2009, 90, 515-534.	3.3	128

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73	Impact of Arabian Sea pollution on the Bay of Bengal winter monsoon rains. Journal of Geophysical Research, 2009, 114, .	3.3	34
74	The Joint Aerosolâ€“Monsoon Experiment: A New Challenge for Monsoon Climate Research. Bulletin of the American Meteorological Society, 2008, 89, 369-384.	3.3	241
75	Absorbing Aerosols and Summer Monsoon Evolution over South Asia: An Observational Portrayal. Journal of Climate, 2008, 21, 3221-3239.	3.2	144
76	Impact of Arabian Sea pollutions on the Bay of Bengal winter monsoon rains. , 2008, , .		0
77	3 Does aerosol weaken or strengthen the Asian monsoon?. Developments in Earth Surface Processes, 2007, 10, 13-22.	2.8	11
78	Use of High-Resolution Satellite Observations to Evaluate Cloud and Precipitation Statistics from Cloud-Resolving Model Simulations. Part I: South China Sea Monsoon Experiment. Journals of the Atmospheric Sciences, 2007, 64, 4309-4329.	1.7	38
79	Empirical Probability Models to Predict Precipitation Levels over Puerto Rico Stations. Monthly Weather Review, 2007, 135, 877-890.	1.4	6
80	A GCM study of effects of radiative forcing of sulfate aerosol on large scale circulation and rainfall in East Asia during boreal spring. Geophysical Research Letters, 2007, 34, .	4.0	51
81	Atmospheric Teleconnection over Eurasia Induced by Aerosol Radiative Forcing during Boreal Spring. Journal of Climate, 2006, 19, 4700-4718.	3.2	49
82	Asian summer monsoon anomalies induced by aerosol direct forcing: the role of the Tibetan Plateau. Climate Dynamics, 2006, 26, 855-864.	3.8	913
83	U.S. CONTRIBUTIONS TO THE CEOP. Bulletin of the American Meteorological Society, 2006, 87, 927-940.	3.3	12
84	Multiscale Variability of the River Runoff System in China and Its Long-Term Link to Precipitation and Sea Surface Temperature. Journal of Hydrometeorology, 2005, 6, 550-570.	1.9	22
85	El NiÃ±o Southern Oscillation connection. , 2005, , 271-305.		31
86	Effects of Cloud Microphysics on Tropical Atmospheric Hydrologic Processes and Intraseasonal Variability. Journal of Climate, 2005, 18, 4731-4751.	3.2	22
87	Tropical convective responses to microphysical and radiative processes: a sensitivity study with a 2-D cloud resolving model. Meteorology and Atmospheric Physics, 2005, 90, 245-259.	2.0	25
88	Contrasting Indian Ocean SST variability with and without ENSO influence: A coupled atmosphere-ocean GCM study. Meteorology and Atmospheric Physics, 2005, 90, 179-191.	2.0	79
89	Interdecadal Changes in Heavy Rainfall in China during the Northern Summer. Terrestrial, Atmospheric and Oceanic Sciences, 2005, 16, 1163.	0.6	18
90	Design of a Regional Climate Model for the Simulation of South China Summer Monsoon Rainfall. Journal of the Meteorological Society of Japan, 2004, 82, 1645-1665.	1.8	21

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91	The North Pacific as a Regulator of Summertime Climate over Eurasia and North America. Journal of Climate, 2004, 17, 819-833.	3.2	88
92	Mechanisms for Torrential Rain Associated with the Mei-Yu Development during SCSMEX 1998. Monthly Weather Review, 2004, 132, 3-27.	1.4	53
93	Upstream Subtropical Signals Preceding the Asian Summer Monsoon Circulation. Journal of Climate, 2004, 17, 4213-4229.	3.2	114
94	The Maddenâ€“Julian Oscillation and Its Impact on Northern Hemisphere Weather Predictability. Monthly Weather Review, 2004, 132, 1462-1471.	1.4	84
95	Potential Predictability of U.S. Summer Climate with â€œPerfectâ€•Soil Moisture. Journal of Hydrometeorology, 2004, 5, 883-895.	1.9	17
96	Global Occurrences of Extreme Precipitation and the Maddenâ€“Julian Oscillation: Observations and Predictability. Journal of Climate, 2004, 17, 4575-4589.	3.2	186
97	AGCM simulations of intraseasonal variability associated with the Asian summer monsoon. Climate Dynamics, 2003, 21, 423-446.	3.8	209
98	Simulating the Midwestern U.S. Drought of 1988 with a GCM. Journal of Climate, 2003, 16, 3946-3965.	3.2	31
99	Potential Predictability of the Maddenâ€“Julian Oscillation. Bulletin of the American Meteorological Society, 2003, 84, 33-50.	3.3	266
100	The Role of Daily Surface Forcing in the Upper Ocean over the Tropical Pacific: A Numerical Study. Journal of Climate, 2003, 16, 756-766.	3.2	15
101	Variations of the East Asian Jet Stream and Asianâ€“Pacificâ€“American Winter Climate Anomalies. Journal of Climate, 2002, 15, 306-325.	3.2	469
102	The Hydrological Cycle in the Mediterranean Region and Implications for the Water Budget of the Mediterranean Sea. Journal of Climate, 2002, 15, 1674-1690.	3.2	320
103	Dominant Cloud Microphysical Processes in a Tropical Oceanic Convective System: A 2D Cloud Resolving Modeling Study. Monthly Weather Review, 2002, 130, 2481-2491.	1.4	87
104	Interactions between Tropical Convection and Its Environment: An Energetics Analysis of a 2D Cloud Resolving Simulation. Journals of the Atmospheric Sciences, 2002, 59, 1712-1722.	1.7	54
105	Relative Importance of the Annual Cycles of Sea Surface Temperature and Solar Irradiance for Tropical Circulation and Precipitation: A Climate Model Simulation Study. Earth Interactions, 2002, 6, 1-32.	1.5	26
106	Precipitation Efficiency in the Tropical Deep Convective Regime: A 2-D Cloud Resolving Modeling Study.. Journal of the Meteorological Society of Japan, 2002, 80, 205-212.	1.8	70
107	Recurrent Teleconnection Patterns Linking Summertime Precipitation Variability over East Asia and North America.. Journal of the Meteorological Society of Japan, 2002, 80, 1309-1324.	1.8	126
108	Intercomparison of Atmospheric GCM Simulated Anomalies Associated with the 1997/98 El NiÃ±o. Journal of Climate, 2002, 15, 2791-2805.	3.2	71

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109	Intercomparison of the climatological variations of Asian summer monsoon precipitation simulated by 10 GCMs. Climate Dynamics, 2002, 19, 383-395.	3.8	375
110	Evolution of the Large Scale Circulation, Cloud Structure and Regional Water Cycle Associated with the South China Sea Monsoon during May-June, 1998.. Journal of the Meteorological Society of Japan, 2002, 80, 1129-1147.	1.8	30
111	Coherent Modes of Global SST and Summer Rainfall over China: An Assessment of the Regional Impacts of the 1997â€“98 El NiÃ±o. Journal of Climate, 2001, 14, 1294-1308.	3.2	153
112	Principal Modes of Rainfallâ€“SST Variability of the Asian Summer Monsoon: A Reassessment of the Monsoonâ€“ENSO Relationship. Journal of Climate, 2001, 14, 2880-2895.	3.2	142
113	Genesis and Evolution of Hierarchical Cloud Clusters in a Two-Dimensional Cumulus-Resolving Model. Journals of the Atmospheric Sciences, 2001, 58, 877-895.	1.7	22
114	Interannual Sea Surface Temperature Variability and the Predictability of Tropical Intraseasonal Variability. Journals of the Atmospheric Sciences, 2001, 58, 2596-2615.	1.7	32
115	Interannual Variability of the Asian Summer Monsoon: Contrasts between the Indian and the Western North Pacificâ€“East Asian Monsoons*. Journal of Climate, 2001, 14, 4073-4090.	3.2	887
116	A Report of the Field Operations and Early Results of the South China Sea Monsoon Experiment (SCSMEX). Bulletin of the American Meteorological Society, 2000, 81, 1261-1270.	3.3	150
117	Prediction skill of the Madden and Julian Oscillation in dynamical extended range forecasts. Climate Dynamics, 2000, 16, 273-289.	3.8	93
118	Effects of Precipitation on Ocean Mixed-Layer Temperature and Salinity as Simulated in a 2-D Coupled Ocean-Cloud Resolving Atmosphere Model. Journal of the Meteorological Society of Japan, 2000, 78, 647-659.	1.8	19
119	Dynamical and Boundary Forcing Characteristics of Regional Components of the Asian Summer Monsoon. Journal of Climate, 2000, 13, 2461-2482.	3.2	356
120	Multi-Scale Summer Rainfall Variability Over China and its Long-Term Link to Global Sea Surface Temperature Variability. Journal of the Meteorological Society of Japan, 1999, 77, 845-857.	1.8	138
121	Interannual, Decadalâ€“Interdecadal, and Global Warming Signals in Sea Surface Temperature during 1955â€“97. Journal of Climate, 1999, 12, 1257-1267.	3.2	125
122	Sensitivity of the tropical Pacific Ocean to precipitation-induced freshwater flux. Climate Dynamics, 1999, 15, 737-750.	3.8	43
123	Enhancement of Interdecadal Climate Variability in the Sahel by Vegetation Interaction. Science, 1999, 286, 1537-1540.	12.6	498
124	Large-Scale Forcing and Cloudâ€“Radiation Interaction in the Tropical Deep Convective Regime. Journals of the Atmospheric Sciences, 1999, 56, 3028-3042.	1.7	149
125	The Influence of Coupled Sea Surface Temperatures on the Maddenâ€“Julian Oscillation: A Model Perturbation Experiment. Journals of the Atmospheric Sciences, 1999, 56, 333-358.	1.7	308
126	Equilibrium States Simulated by Cloud-Resolving Models. Journals of the Atmospheric Sciences, 1999, 56, 3128-3139.	1.7	56

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127	Principal Modes of Climatological Seasonal and Intraseasonal Variations of the Asian Summer Monsoon. Monthly Weather Review, 1999, 127, 322-340.	1.4	120
128	Mechanisms of monsoon-Southern Oscillation coupling: insights from GCM experiments. Climate Dynamics, 1998, 14, 759-779.	3.8	57
129	Does a Monsoon Climate Exist over South America?. Journal of Climate, 1998, 11, 1020-1040.	3.2	706
130	INTERANNUAL TO INTERDECADAL VARIATIONS OF THE REGIONALIZED SURFACE CLIMATE OF THE UNITED STATES AND RELATIONSHIPS TO GENERALIZED FLOW PARAMETERS. Physical Geography, 1998, 19, 271-291.	1.4	19
131	On the Annual Cycle of Latent Heat Fluxes over the Equatorial Pacific Using TAO Buoy Observations. Journal of the Meteorological Society of Japan, 1998, 76, 909-923.	1.8	5
132	Possible Role of Symmetric Instability in the Onset and Abrupt Transition of the Asian Monsoon. Journal of the Meteorological Society of Japan, 1998, 76, 363-383.	1.8	22
133	Anomalous Atmospheric Hydrologic Processes Associated with ENSO: Mechanisms of Hydrologic Cycleâ€“Radiation Interaction. Journal of Climate, 1998, 11, 800-815.	3.2	15
134	Influences of Sea Surface Temperature and Ground Wetness onAsian Summer Monsoon. Journal of Climate, 1998, 11, 3230-3246.	3.2	192
135	Radiativeâ€“Convective Processes in Simulated Diurnal Variations ofTropical Oceanic Convection. Journals of the Atmospheric Sciences, 1998, 55, 2345-2357.	1.7	165
136	Hydrologic Processes Associated with the First Transition of the Asian Summer Monsoon: A Pilot Satellite Study. Bulletin of the American Meteorological Society, 1998, 79, 1871-1882.	3.3	86
137	Sea Surface Temperature and Large-Scale Circulation Influences on Tropical Greenhouse Effect and Cloud Radiative Forcing. Journal of Climate, 1997, 10, 2055-2077.	3.2	175
138	Comparison and Satellite Assessment of NASA/DAO and NCEPâ€“NCAR Reanalyses over Tropical Ocean: Atmospheric Hydrology and Radiation. Journal of Climate, 1997, 10, 1441-1462.	3.2	54
139	Mechanisms of Short-Term Sea Surface Temperature Regulation: Observations during TOGA COARE. Journal of Climate, 1997, 10, 465-472.	3.2	146
140	Diurnal Variations in Tropical Oceanic Cumulus Convection during TOGA COARE. Journals of the Atmospheric Sciences, 1997, 54, 639-655.	1.7	242
141	The Role of Large-Scale Atmospheric Circulation in the Relationship between Tropical Convection and Sea Surface Temperature. Journal of Climate, 1997, 10, 381-392.	3.2	185
142	On the maintenance and initiation of the intraseasonal oscillation in the NCEP/NCAR reanalysis and in the GLA and UKMO AMIP simulations. Climate Dynamics, 1997, 13, 769-795.	3.8	127
143	East Asian winter monsoon: results from eight AMIP models. Climate Dynamics, 1997, 13, 797-820.	3.8	32
144	Symmetric instability of monsoon flows. Tellus, Series A: Dynamic Meteorology and Oceanography, 1997, 49, 228-245.	1.7	3

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145	Multiscale Airâ€“Sea Interactions during TOGA COARE. Monthly Weather Review, 1997, 125, 448-462.	1.4	75
146	Intraseasonal oscillations in 15 atmospheric general circulation models: results from an AMIP diagnostic subproject. Climate Dynamics, 1996, 12, 325-357.	3.8	486
147	Seasonal Variation, Abrupt Transition, and Intraseasonal Variability Associated with the Asian Summer Monsoon in the GLA GCM. Journal of Climate, 1996, 9, 965-985.	3.2	111
148	Intercomparison of Hydrologic Processes in AMIP GCMs. Bulletin of the American Meteorological Society, 1996, 77, 2209-2227.	3.3	108
149	Evolution of Large-Scale Circulation during TOGA COARE: Model Intercomparison and Basic Features. Journal of Climate, 1996, 9, 986-1003.	3.2	9
150	Precursory Signals Associated with the Interannual Variability of the Asian Summer Monsoon. Journal of Climate, 1996, 9, 949-964.	3.2	62
151	Observation of a Quasi-2-Day Wave during TOGA COARE. Monthly Weather Review, 1996, 124, 1892-1913.	1.4	132
152	Low-frequency time-space regimes in tropical convection. Theoretical and Applied Climatology, 1996, 55, 89-98.	2.8	1
153	Impact of orographically induced gravity-wave drag in the GLA GCM. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 903-927.	2.7	33
154	Biogeophysical Consequences of a Tropical Deforestation Scenario: A GCM Simulation Study. Journal of Climate, 1996, 9, 3225-3247.	3.2	111
155	The Asian monsoon and predictability of the tropical ocean-atmosphere system. Quarterly Journal of the Royal Meteorological Society, 1996, 122, 945-957.	2.7	26
156	Biennial Oscillation Associated with the East Asian Summer Monsoon and Tropical Sea Surface Temperatures. Journal of the Meteorological Society of Japan, 1995, 73, 105-124.	1.8	185
157	Climate Signal Detection Using Wavelet Transform: How to Make a Time Series Sing. Bulletin of the American Meteorological Society, 1995, 76, 2391-2402.	3.3	639
158	Multiscale Low-Frequency Circulation Modes in the Global Atmosphere. Journals of the Atmospheric Sciences, 1994, 51, 1169-1193.	1.7	98
159	The Tropical Water and Energy Cycles in a Cumulus Ensemble Model. Part I: Equilibrium Climate. Journals of the Atmospheric Sciences, 1994, 51, 711-728.	1.7	185
160	Principal Modes of Atmospheric Circulation Anomalies Associated with Global Angular Momentum Fluctuations. Journals of the Atmospheric Sciences, 1994, 51, 1194-1205.	1.7	29
161	A Preliminary Study of the Tropical Water Cycle and its Sensitivity to Surface Warming. Bulletin of the American Meteorological Society, 1993, 74, 1313-1321.	3.3	36
162	Multiscale Phenomena in the Tropical Atmosphere over the Western Pacific. Monthly Weather Review, 1992, 120, 407-430.	1.4	135

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163	Dynamics of Atmospheric Teleconnections during the Northern Summer. Journal of Climate, 1992, 5, 140-158.	3.2	56
164	Tropical Intraseasonal Oscillation and Its Prediction by the NMC Operational Model. Journal of Climate, 1992, 5, 1365-1378.	3.2	48
165	East Asian Summer Monsoon Rainfall Variability and Climate Teleconnection. Journal of the Meteorological Society of Japan, 1992, 70, 211-242.	1.8	141
166	Evolution of Tropical Circulation Anomalies Associated with 30-60 day Oscillation of Globally Averaged Angular Momentum during Northern Summer. Journal of the Meteorological Society of Japan, 1990, 68, 237-249.	1.8	7
167	Intraseasonal and Interannual Oscillations in Coupled Ocean-Atmosphere Models. Journal of Climate, 1990, 3, 713-725.	3.2	38
168	An Evaluation of the Structure of Tropical Intraseasonal Oscillations in Three General Circulation Models. Journal of the Meteorological Society of Japan, 1990, 68, 403-417.	1.8	34
169	Dynamics of Super Cloud Clusters, Westerly Wind Bursts, 30-60 Day Oscilations and ENSO: An Unified View. Journal of the Meteorological Society of Japan, 1989, 67, 205-219.	1.8	114
170	Origin of Low-Frequency (Intraseasonal) Oscilliations in the Tropical Atmosphere. Part II: Structure and Propagation of Mobile Wave-CISK Modes and Their Modification by Lower Boundary Forcings. Journals of the Atmospheric Sciences, 1989, 46, 37-56.	1.7	79
171	Seasonal and Intraseasonal Climatology of Summer Monsoon Rainfall over Eeat Asia. Monthly Weather Review, 1988, 116, 18-37.	1.4	288
172	Intraseasonal and Interannual Variations of Tropical Convection: A Possible Link between the 40â€“50 Day Oscillation and ENSO?. Journals of the Atmospheric Sciences, 1988, 45, 506-521.	1.7	176
173	Origin of Low-Frequency (Intraseasonal) Oscillations in the Tropical Atmosphere. Part I: Basic Theory. Journals of the Atmospheric Sciences, 1987, 44, 950-972.	1.7	390
174	Tropical and Extratropical Forcing of the Large-Scale Circulation: A Diagnostic Study. Monthly Weather Review, 1987, 115, 400-428.	1.4	36
175	Aspects of the 40â€“50 Day Oscillation during the Northern Summer as Inferred from Outgoing Longwave Radiation. Monthly Weather Review, 1986, 114, 1354-1367.	1.4	540
176	Coherent Fluctuations of Fxtratropical Geopotential Height and Tropical Convection in Intraseasonal Time Scales. Journals of the Atmospheric Sciences, 1986, 43, 1164-1181.	1.7	130
177	The Structure and Propagation of Intraseasonal Oscillations Appearing in a GFDL General Circulation Model. Journals of the Atmospheric Sciences, 1986, 43, 2023-2047.	1.7	79
178	The 40â€“50 Day Oscillation and the El NiÃ±o/Southern Oscillation: A New Perspective. Bulletin of the American Meteorological Society, 1986, 67, 533-534.	3.3	105
179	Aspects of the 40â€“50 Day Oscillation during the Northern Winter as Inferred from Outgoing Longwave Radiation. Monthly Weather Review, 1985, 113, 1889-1909.	1.4	213
180	The Monsoon of East Asia and its Global Associationsâ€”A Survey. Bulletin of the American Meteorological Society, 1984, 65, 114-125.	3.3	408

#	Article	IF	Citations
181	On the Dynamics of Equatorial Forcing of Climate Teleconnections. Journals of the Atmospheric Sciences, 1984, 41, 161-176.	1.7	49
182	The Structure and Energetics of Midlatitude Disturbances Accompanying Cold-Air Outbreaks over East Asia. Monthly Weather Review, 1984, 112, 1309-1327.	1.4	94
183	Short-Term Climate Variability and Atmospheric Teleconnections from Satellite-Observed Outgoing Longwave Radiation. Part I: Simultaneous Relationships. Journals of the Atmospheric Sciences, 1983, 40, 2735-2750.	1.7	131
184	Short-Term Planetary-Scale Interactions over the Tropics and Midlatitudes. Part II: Winter-MONEX Period. Monthly Weather Review, 1983, 111, 1372-1388.	1.4	59
185	Short-Term Planetary-Scale Interactions over the Tropics and Midlatitudes during Northern Winter. Part I: Contrasts between Active and Inactive Periods. Monthly Weather Review, 1982, 110, 933-946.	1.4	133
186	Thermally Driven Motions in an Equatorial Î²-Plane: Hadley and Walker Circulations During the Winter Monsoon. Monthly Weather Review, 1982, 110, 336-353.	1.4	49
187	Equatorial Response to Northeasterly Cold Surges as Inferred from Satellite Cloud Imagery. Monthly Weather Review, 1982, 110, 1306-1313.	1.4	19
188	Oscillations in a Simple Equatorial Climate System. Journals of the Atmospheric Sciences, 1981, 38, 248-261.	1.7	61
189	Northeasterly Cold Surges and Near-Equatorial Disturbances over the Winter MONEX Area during December 1974. Part I: Synoptic Aspects. Monthly Weather Review, 1979, 107, 812-829.	1.4	150
190	A Simple Ocean-Atmosphere Climate Model: Basic Model and a Simple Experiment. Journals of the Atmospheric Sciences, 1977, 34, 1063-1084.	1.7	18