

# William K Lau

## List of Publications by Year in descending order

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190  
papers

22,053  
citations

6613

79  
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9345

143  
g-index

196  
all docs

196  
docs citations

196  
times ranked

12322  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asian summer monsoon anomalies induced by aerosol direct forcing: the role of the Tibetan Plateau. <i>Climate Dynamics</i> , 2006, 26, 855-864.	3.8	913
2	Interannual Variability of the Asian Summer Monsoon: Contrasts between the Indian and the Western North Pacificâ€œEast Asian Monsoons*. <i>Journal of Climate</i> , 2001, 14, 4073-4090.	3.2	887
3	Does a Monsoon Climate Exist over South America?. <i>Journal of Climate</i> , 1998, 11, 1020-1040.	3.2	706
4	Climate Signal Detection Using Wavelet Transform: How to Make a Time Series Sing. <i>Bulletin of the American Meteorological Society</i> , 1995, 76, 2391-2402.	3.3	639
5	Aerosol and monsoon climate interactions over Asia. <i>Reviews of Geophysics</i> , 2016, 54, 866-929.	23.0	591
6	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. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, 423-444.	3.3	590
7	Aspects of the 40â€œ50 Day Oscillation during the Northern Summer as Inferred from Outgoing Longwave Radiation. <i>Monthly Weather Review</i> , 1986, 114, 1354-1367.	1.4	540
8	Enhancement of Interdecadal Climate Variability in the Sahel by Vegetation Interaction. <i>Science</i> , 1999, 286, 1537-1540.	12.6	498
9	Intraseasonal oscillations in 15 atmospheric general circulation models: results from an AMIP diagnostic subproject. <i>Climate Dynamics</i> , 1996, 12, 325-357.	3.8	486
10	Variations of the East Asian Jet Stream and Asianâ€œPacificâ€œAmerican Winter Climate Anomalies. <i>Journal of Climate</i> , 2002, 15, 306-325.	3.2	469
11	The Monsoon of East Asia and its Global Associationsâ€™A Survey. <i>Bulletin of the American Meteorological Society</i> , 1984, 65, 114-125.	3.3	408
12	Origin of Low-Frequency (Intraseasonal) Oscillations in the Tropical Atmosphere. Part I: Basic Theory. <i>Journals of the Atmospheric Sciences</i> , 1987, 44, 950-972.	1.7	390
13	Intercomparison of the climatological variations of Asian summer monsoon precipitation simulated by 10 GCMs. <i>Climate Dynamics</i> , 2002, 19, 383-395.	3.8	375
14	Dynamical and Boundary Forcing Characteristics of Regional Components of the Asian Summer Monsoon. <i>Journal of Climate</i> , 2000, 13, 2461-2482.	3.2	356
15	Advance and prospectus of seasonal prediction: assessment of the APCC/ClipAS 14-model ensemble retrospective seasonal prediction (1980â€œ2004). <i>Climate Dynamics</i> , 2009, 33, 93-117.	3.8	347
16	The Hydrological Cycle in the Mediterranean Region and Implications for the Water Budget of the Mediterranean Sea. <i>Journal of Climate</i> , 2002, 15, 1674-1690.	3.2	320
17	Enhanced surface warming and accelerated snow melt in the Himalayas and Tibetan Plateau induced by absorbing aerosols. <i>Environmental Research Letters</i> , 2010, 5, 025204.	5.2	318
18	Global observations of aerosol-cloud-precipitation-climate interactions. <i>Reviews of Geophysics</i> , 2014, 52, 750-808.	23.0	316

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19	The 2010 Pakistan Flood and Russian Heat Wave: Teleconnection of Hydrometeorological Extremes. <i>Journal of Hydrometeorology</i> , 2012, 13, 392-403.	1.9	309
20	The Influence of Coupled Sea Surface Temperatures on the Madden-Julian Oscillation: A Model Perturbation Experiment. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 333-358.	1.7	308
21	Seasonal and Intraseasonal Climatology of Summer Monsoon Rainfall over East Asia. <i>Monthly Weather Review</i> , 1988, 116, 18-37.	1.4	288
22	Potential Predictability of the Madden-Julian Oscillation. <i>Bulletin of the American Meteorological Society</i> , 2003, 84, 33-50.	3.3	266
23	Diurnal Variations in Tropical Oceanic Cumulus Convection during TOGA COARE. <i>Journals of the Atmospheric Sciences</i> , 1997, 54, 639-655.	1.7	242
24	The Joint Aerosol-Monsoon Experiment: A New Challenge for Monsoon Climate Research. <i>Bulletin of the American Meteorological Society</i> , 2008, 89, 369-384.	3.3	241
25	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. <i>Atmospheric Chemistry and Physics</i> , 2011, 11, 12841-12863.	4.9	232
26	Light-absorbing particles in snow and ice: Measurement and modeling of climatic and hydrological impact. <i>Advances in Atmospheric Sciences</i> , 2015, 32, 64-91.	4.3	223
27	Aspects of the 40-50 Day Oscillation during the Northern Winter as Inferred from Outgoing Longwave Radiation. <i>Monthly Weather Review</i> , 1985, 113, 1889-1909.	1.4	213
28	AGCM simulations of intraseasonal variability associated with the Asian summer monsoon. <i>Climate Dynamics</i> , 2003, 21, 423-446.	3.8	209
29	Influences of Sea Surface Temperature and Ground Wetness on Asian Summer Monsoon. <i>Journal of Climate</i> , 1998, 11, 3230-3246.	3.2	192
30	Global Occurrences of Extreme Precipitation and the Madden-Julian Oscillation: Observations and Predictability. <i>Journal of Climate</i> , 2004, 17, 4575-4589.	3.2	186
31	The Tropical Water and Energy Cycles in a Cumulus Ensemble Model. Part I: Equilibrium Climate. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 711-728.	1.7	185
32	Biennial Oscillation Associated with the East Asian Summer Monsoon and Tropical Sea Surface Temperatures. <i>Journal of the Meteorological Society of Japan</i> , 1995, 73, 105-124.	1.8	185
33	The Role of Large-Scale Atmospheric Circulation in the Relationship between Tropical Convection and Sea Surface Temperature. <i>Journal of Climate</i> , 1997, 10, 381-392.	3.2	185
34	Aerosol and rainfall variability over the Indian monsoon region: distributions, trends and coupling. <i>Annales Geophysicae</i> , 2009, 27, 3691-3703.	1.6	179
35	Intraseasonal and Interannual Variations of Tropical Convection: A Possible Link between the 40-50 Day Oscillation and ENSO?. <i>Journals of the Atmospheric Sciences</i> , 1988, 45, 506-521.	1.7	176
36	Robust Hadley Circulation changes and increasing global dryness due to CO <sub>2</sub> warming from CMIP5 model projections. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 3630-3635.	7.1	176

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37	Sea Surface Temperature and Large-Scale Circulation Influences on Tropical Greenhouse Effect and Cloud Radiative Forcing. <i>Journal of Climate</i> , 1997, 10, 2055-2077.	3.2	175
38	A canonical response of precipitation characteristics to global warming from CMIP5 models. <i>Geophysical Research Letters</i> , 2013, 40, 3163-3169.	4.0	171
39	Radiative-Convective Processes in Simulated Diurnal Variations of Tropical Oceanic Convection. <i>Journals of the Atmospheric Sciences</i> , 1998, 55, 2345-2357.	1.7	165
40	Estimated impact of black carbon deposition during pre-monsoon season from Nepal Climate Observatory â€“ Pyramid data and snow albedo changes over Himalayan glaciers. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 6603-6615.	4.9	164
41	Coherent Modes of Global SST and Summer Rainfall over China: An Assessment of the Regional Impacts of the 1997â€“98 El NiÃ±o. <i>Journal of Climate</i> , 2001, 14, 1294-1308.	3.2	153
42	Northeasterly Cold Surges and Near-Equatorial Disturbances over the Winter MONEX Area during December 1974. Part I: Synoptic Aspects. <i>Monthly Weather Review</i> , 1979, 107, 812-829.	1.4	150
43	A Report of the Field Operations and Early Results of the South China Sea Monsoon Experiment (SCSMEX). <i>Bulletin of the American Meteorological Society</i> , 2000, 81, 1261-1270.	3.3	150
44	Large-Scale Forcing and Cloud-Radiation Interaction in the Tropical Deep Convective Regime. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 3028-3042.	1.7	149
45	Variability and Predictability of West African Droughts: A Review on the Role of Sea Surface Temperature Anomalies. <i>Journal of Climate</i> , 2015, 28, 4034-4060.	3.2	148
46	Mechanisms of Short-Term Sea Surface Temperature Regulation: Observations during TOGA COARE. <i>Journal of Climate</i> , 1997, 10, 465-472.	3.2	146
47	Absorbing Aerosols and Summer Monsoon Evolution over South Asia: An Observational Portrayal. <i>Journal of Climate</i> , 2008, 21, 3221-3239.	3.2	144
48	Principal Modes of Rainfall-SST Variability of the Asian Summer Monsoon: A Reassessment of the Monsoon-ENSO Relationship. <i>Journal of Climate</i> , 2001, 14, 2880-2895.	3.2	142
49	East Asian Summer Monsoon Rainfall Variability and Climate Teleconnection. <i>Journal of the Meteorological Society of Japan</i> , 1992, 70, 211-242.	1.8	141
50	Multi-Scale Summer Rainfall Variability Over China and its Long-Term Link to Global Sea Surface Temperature Variability. <i>Journal of the Meteorological Society of Japan</i> , 1999, 77, 845-857.	1.8	138
51	Multiscale Phenomena in the Tropical Atmosphere over the Western Pacific. <i>Monthly Weather Review</i> , 1992, 120, 407-430.	1.4	135
52	Short-Term Planetary-Scale Interactions over the Tropics and Midlatitudes during Northern Winter. Part I: Contrasts between Active and Inactive Periods. <i>Monthly Weather Review</i> , 1982, 110, 933-946.	1.4	133
53	Observation of a Quasi-2-Day Wave during TOGA COARE. <i>Monthly Weather Review</i> , 1996, 124, 1892-1913.	1.4	132
54	Short-Term Climate Variability and Atmospheric Teleconnections from Satellite-Observed Outgoing Longwave Radiation. Part I: Simultaneous Relationships. <i>Journals of the Atmospheric Sciences</i> , 1983, 40, 2735-2750.	1.7	131

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55	Satellite observations of desert dust-induced Himalayan snow darkening. <i>Geophysical Research Letters</i> , 2013, 40, 988-993.	4.0	131
56	Coherent Fluctuations of Extratropical Geopotential Height and Tropical Convection in Intraseasonal Time Scales. <i>Journals of the Atmospheric Sciences</i> , 1986, 43, 1164-1181.	1.7	130
57	A Multiscale Modeling System: Developments, Applications, and Critical Issues. <i>Bulletin of the American Meteorological Society</i> , 2009, 90, 515-534.	3.3	128
58	On the maintenance and initiation of the intraseasonal oscillation in the NCEP/NCAR reanalysis and in the GLA and UKMO AMIP simulations. <i>Climate Dynamics</i> , 1997, 13, 769-795.	3.8	127
59	Recurrent Teleconnection Patterns Linking Summertime Precipitation Variability over East Asia and North America. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 1309-1324.	1.8	126
60	Interannual, Decadal, and Global Warming Signals in Sea Surface Temperature during 1955-97. <i>Journal of Climate</i> , 1999, 12, 1257-1267.	3.2	125
61	A GCM study of the response of the atmospheric water cycle of West Africa and the Atlantic to Saharan dust radiative forcing. <i>Annales Geophysicae</i> , 2009, 27, 4023-4037.	1.6	124
62	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. <i>Climate Dynamics</i> , 2010, 35, 3-27.	3.8	123
63	Principal Modes of Climatological Seasonal and Intraseasonal Variations of the Asian Summer Monsoon. <i>Monthly Weather Review</i> , 1999, 127, 322-340.	1.4	120
64	Dynamics of Super Cloud Clusters, Westerly Wind Bursts, 30-60 Day Oscillations and ENSO: An Unified View. <i>Journal of the Meteorological Society of Japan</i> , 1989, 67, 205-219.	1.8	114
65	Upstream Subtropical Signals Preceding the Asian Summer Monsoon Circulation. <i>Journal of Climate</i> , 2004, 17, 4213-4229.	3.2	114
66	Seasonal Variation, Abrupt Transition, and Intraseasonal Variability Associated with the Asian Summer Monsoon in the GLA GCM. <i>Journal of Climate</i> , 1996, 9, 965-985.	3.2	111
67	Biogeophysical Consequences of a Tropical Deforestation Scenario: A GCM Simulation Study. <i>Journal of Climate</i> , 1996, 9, 3225-3247.	3.2	111
68	Intercomparison of Hydrologic Processes in AMIP GCMs. <i>Bulletin of the American Meteorological Society</i> , 1996, 77, 2209-2227.	3.3	108
69	The 40-50 Day Oscillation and the El Niño/Southern Oscillation: A New Perspective. <i>Bulletin of the American Meteorological Society</i> , 1986, 67, 533-534.	3.3	105
70	Fingerprinting the impacts of aerosols on long-term trends of the Indian summer monsoon regional rainfall. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	99
71	Multiscale Low-Frequency Circulation Modes in the Global Atmosphere. <i>Journals of the Atmospheric Sciences</i> , 1994, 51, 1169-1193.	1.7	98
72	Integrated modeling of aerosol, cloud, precipitation and land processes at satellite-resolved scales. <i>Environmental Modelling and Software</i> , 2015, 67, 149-159.	4.5	95

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73	The Structure and Energetics of Midlatitude Disturbances Accompanying Cold-Air Outbreaks over East Asia. <i>Monthly Weather Review</i> , 1984, 112, 1309-1327.	1.4	94
74	Prediction skill of the Madden and Julian Oscillation in dynamical extended range forecasts. <i>Climate Dynamics</i> , 2000, 16, 273-289.	3.8	93
75	The North Pacific as a Regulator of Summertime Climate over Eurasia and North America. <i>Journal of Climate</i> , 2004, 17, 819-833.	3.2	88
76	Characterization of aerosols over the Indochina peninsula from satellite-surface observations during biomass burning pre-monsoon season. <i>Atmospheric Environment</i> , 2013, 78, 51-59.	4.1	88
77	Dominant Cloud Microphysical Processes in a Tropical Oceanic Convective System: A 2D Cloud Resolving Modeling Study. <i>Monthly Weather Review</i> , 2002, 130, 2481-2491.	1.4	87
78	Hydrologic Processes Associated with the First Transition of the Asian Summer Monsoon: A Pilot Satellite Study. <i>Bulletin of the American Meteorological Society</i> , 1998, 79, 1871-1882.	3.3	86
79	The Madden-Julian Oscillation and Its Impact on Northern Hemisphere Weather Predictability. <i>Monthly Weather Review</i> , 2004, 132, 1462-1471.	1.4	84
80	The Structure and Propagation of Intraseasonal Oscillations Appearing in a GFDL General Circulation Model. <i>Journals of the Atmospheric Sciences</i> , 1986, 43, 2023-2047.	1.7	79
81	Origin of Low-Frequency (Intraseasonal) Oscillations in the Tropical Atmosphere. Part II: Structure and Propagation of Mobile Wave-CISK Modes and Their Modification by Lower Boundary Forcings. <i>Journals of the Atmospheric Sciences</i> , 1989, 46, 37-56.	1.7	79
82	Contrasting Indian Ocean SST variability with and without ENSO influence: A coupled atmosphere-ocean GCM study. <i>Meteorology and Atmospheric Physics</i> , 2005, 90, 179-191.	2.0	79
83	Multiscale Air-Sea Interactions during TOGA COARE. <i>Monthly Weather Review</i> , 1997, 125, 448-462.	1.4	75
84	Intercomparison of Atmospheric GCM Simulated Anomalies Associated with the 1997/98 El Niño. <i>Journal of Climate</i> , 2002, 15, 2791-2805.	3.2	71
85	Precipitation Efficiency in the Tropical Deep Convective Regime: A 2-D Cloud Resolving Modeling Study. <i>Journal of the Meteorological Society of Japan</i> , 2002, 80, 205-212.	1.8	70
86	Amplification of ENSO effects on Indian summer monsoon by absorbing aerosols. <i>Climate Dynamics</i> , 2016, 46, 2657-2671.	3.8	67
87	Impact of snow darkening via dust, black carbon, and organic carbon on boreal spring climate in the Earth system. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 5485-5503.	3.3	64
88	Precursory Signals Associated with the Interannual Variability of the Asian Summer Monsoon. <i>Journal of Climate</i> , 1996, 9, 949-964.	3.2	62
89	Oscillations in a Simple Equatorial Climate System. <i>Journals of the Atmospheric Sciences</i> , 1981, 38, 248-261.	1.7	61
90	Short-Term Planetary-Scale Interactions over the Tropics and Midlatitudes. Part II: Winter-MONEX Period. <i>Monthly Weather Review</i> , 1983, 111, 1372-1388.	1.4	59

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91	Characteristics of Precipitation, Cloud, and Latent Heating Associated with the Madden-Julian Oscillation. <i>Journal of Climate</i> , 2010, 23, 504-518.	3.2	58
92	Mechanisms of monsoon-Southern Oscillation coupling: insights from GCM experiments. <i>Climate Dynamics</i> , 1998, 14, 759-779.	3.8	57
93	Impacts of aerosol-monsoon interaction on rainfall and circulation over Northern India and the Himalaya Foothills. <i>Climate Dynamics</i> , 2017, 49, 1945-1960.	3.8	57
94	Dynamics of Atmospheric Teleconnections during the Northern Summer. <i>Journal of Climate</i> , 1992, 5, 140-158.	3.2	56
95	Equilibrium States Simulated by Cloud-Resolving Models. <i>Journals of the Atmospheric Sciences</i> , 1999, 56, 3128-3139.	1.7	56
96	Comparison and Satellite Assessment of NASA/DAO and NCEP-NCAR Reanalyses over Tropical Ocean: Atmospheric Hydrology and Radiation. <i>Journal of Climate</i> , 1997, 10, 1441-1462.	3.2	54
97	Interactions between Tropical Convection and Its Environment: An Energetics Analysis of a 2D Cloud Resolving Simulation. <i>Journals of the Atmospheric Sciences</i> , 2002, 59, 1712-1722.	1.7	54
98	Mechanisms for Torrential Rain Associated with the Mei-Yu Development during SCSMEX 1998. <i>Monthly Weather Review</i> , 2004, 132, 3-27.	1.4	53
99	Competing influences of greenhouse warming and aerosols on Asian summer monsoon circulation and rainfall. <i>Asia-Pacific Journal of Atmospheric Sciences</i> , 2017, 53, 181-194.	2.3	53
100	Impact of Interactive Aerosol on the African Easterly Jet in the NASA GEOS-5 Global Forecasting System. <i>Weather and Forecasting</i> , 2011, 26, 504-519.	1.4	52
101	Impact of assimilated and interactive aerosol on tropical cyclogenesis. <i>Geophysical Research Letters</i> , 2014, 41, 3282-3288.	4.0	52
102	Satellite-Surface Perspectives of Air Quality and Aerosol-Cloud Effects on the Environment: An Overview of 7-SEAS/BASELInE. <i>Aerosol and Air Quality Research</i> , 2016, 16, 2581-2602.	2.1	52
103	A GCM study of effects of radiative forcing of sulfate aerosol on large scale circulation and rainfall in East Asia during boreal spring. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	51
104	Thermally Driven Motions in an Equatorial $\hat{z}$ -Plane: Hadley and Walker Circulations During the Winter Monsoon. <i>Monthly Weather Review</i> , 1982, 110, 336-353.	1.4	49
105	On the Dynamics of Equatorial Forcing of Climate Teleconnections. <i>Journals of the Atmospheric Sciences</i> , 1984, 41, 161-176.	1.7	49
106	Atmospheric Teleconnection over Eurasia Induced by Aerosol Radiative Forcing during Boreal Spring. <i>Journal of Climate</i> , 2006, 19, 4700-4718.	3.2	49
107	The Goddard Cumulus Ensemble model (GCE): Improvements and applications for studying precipitation processes. <i>Atmospheric Research</i> , 2014, 143, 392-424.	4.1	49
108	Tropical Intraseasonal Oscillation and Its Prediction by the NMC Operational Model. <i>Journal of Climate</i> , 1992, 5, 1365-1378.	3.2	48

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109	The aerosol-monsoon climate system of Asia: A new paradigm. <i>Journal of Meteorological Research</i> , 2016, 30, 1-11.	2.4	44
110	Origin, Maintenance and Variability of the Asian Tropopause Aerosol Layer (ATAL): The Roles of Monsoon Dynamics. <i>Scientific Reports</i> , 2018, 8, 3960.	3.3	44
111	Sensitivity of the tropical Pacific Ocean to precipitation-induced freshwater flux. <i>Climate Dynamics</i> , 1999, 15, 737-750.	3.8	43
112	Atlantic Tropical Cyclogenetic Processes during SOP-3 NAMMA in the GEOS-5 Global Data Assimilation and Forecast System. <i>Journals of the Atmospheric Sciences</i> , 2009, 66, 3563-3578.	1.7	43
113	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. <i>Atmosphere</i> , 2018, 9, 438.	2.3	43
114	Observed recent trends in tropical cyclone rainfall over the North Atlantic and the North Pacific. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	42
115	Influence of aerosol-radiative forcings on the diurnal and seasonal cycles of rainfall over West Africa and Eastern Atlantic Ocean using GCM simulations. <i>Climate Dynamics</i> , 2010, 35, 115-126.	3.8	40
116	West African monsoon decadal variability and surface-related forcings: second West African Monsoon Modeling and Evaluation Project Experiment (WAMME II). <i>Climate Dynamics</i> , 2016, 47, 3517-3545.	3.8	39
117	Intraseasonal and Interannual Oscillations in Coupled Ocean-Atmosphere Models. <i>Journal of Climate</i> , 1990, 3, 713-725.	3.2	38
118	Use of High-Resolution Satellite Observations to Evaluate Cloud and Precipitation Statistics from Cloud-Resolving Model Simulations. Part I: South China Sea Monsoon Experiment. <i>Journals of the Atmospheric Sciences</i> , 2007, 64, 4309-4329.	1.7	38
119	Numerical Simulations of the Impacts of the Saharan Air Layer on Atlantic Tropical Cyclone Development. <i>Journal of Climate</i> , 2009, 22, 6230-6250.	3.2	37
120	A Paper on the Tropical Intraseasonal Oscillation Published in 1963 in a Chinese Journal. <i>Bulletin of the American Meteorological Society</i> , 2018, 99, 1765-1779.	3.3	37
121	Tropical and Extratropical Forcing of the Large-Scale Circulation: A Diagnostic Study. <i>Monthly Weather Review</i> , 1987, 115, 400-428.	1.4	36
122	A Preliminary Study of the Tropical Water Cycle and its Sensitivity to Surface Warming. <i>Bulletin of the American Meteorological Society</i> , 1993, 74, 1313-1321.	3.3	36
123	TRMM Latent Heating Retrieval: Applications and Comparisons with Field Campaigns and Large-Scale Analyses. <i>Meteorological Monographs</i> , 2016, 56, 2.1-2.34.	5.0	35
124	Impact of Arabian Sea pollution on the Bay of Bengal winter monsoon rains. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	34
125	Relationship between Asian monsoon strength and transport of surface aerosols to the Asian Tropopause Aerosol Layer (ATAL): interannual variability and decadal changes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 1901-1913.	4.9	34
126	An Evaluation of the Structure of Tropical Intraseasonal Oscillations in Three General Circulation Models. <i>Journal of the Meteorological Society of Japan</i> , 1990, 68, 403-417.	1.8	34



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127	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
128	The Goddard multi-scale modeling system with unified physics. Annales Geophysicae, 2009, 27, 3055-3064.	1.6	33
129	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
130	East Asian winter monsoon: results from eight AMIP models. Climate Dynamics, 1997, 13, 797-820.	3.8	32
131	Interannual Sea Surface Temperature Variability and the Predictability of Tropical Intraseasonal Variability. Journals of the Atmospheric Sciences, 2001, 58, 2596-2615.	1.7	32
132	Simulating the Midwestern U.S. Drought of 1988 with a GCM. Journal of Climate, 2003, 16, 3946-3965.	3.2	31
133	El Niño Southern Oscillation connection. , 2005, , 271-305.		31
134	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
135	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
136	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
137	Can Asian dust trigger phytoplankton blooms in the oligotrophic northern South China Sea?. Geophysical Research Letters, 2012, 39, .	4.0	29
138	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
139	Principal Modes of Atmospheric Circulation Anomalies Associated with Global Angular Momentum Fluctuations. Journals of the Atmospheric Sciences, 1994, 51, 1194-1205.	1.7	29
140	Regulation of atmospheric circulation controlling the tropical Pacific precipitation change in response to CO2 increases. Nature Communications, 2019, 10, 1108.	12.8	28
141	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
142	Indian monsoon and the elevatedâ€œheatâ€œpump mechanism in a coupled aerosolâ€œclimate model. Journal of Geophysical Research D: Atmospheres, 2015, 120, 8712-8723.	3.3	26
143	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
144	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

#	ARTICLE	IF	CITATIONS
145	Mapping TRMM TMPA into Average Recurrence Interval for Monitoring Extreme Precipitation Events. <i>Journal of Applied Meteorology and Climatology</i> , 2015, 54, 979-995.	1.5	25
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147	Impacts of Snow Darkening by Deposition of Light-Absorbing Aerosols on Hydroclimate of Eurasia During Boreal Spring and Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 8441-8461.	3.3	23
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164	The Role of Daily Surface Forcing in the Upper Ocean over the Tropical Pacific: A Numerical Study. <i>Journal of Climate</i> , 2003, 16, 756-766.	3.2	15
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