

Yanluan Lin

List of Publications by Year in descending order

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95
papers

3,696
citations

201385

27
h-index

143772

57
g-index

99
all docs

99
docs citations

99
times ranked

4974
citing authors

#	ARTICLE	IF	CITATIONS
1	Reduced Tropical Cyclone Genesis in the Future as Predicted by a Machine Learning Model. <i>Earth's Future</i> , 2022, 10, .	2.4	4
2	A Source of WRF Simulation Error for the Earlyâ€¦Summer Warmâ€¦Sector Heavy Rainfall Over South China Coast: Landâ€¦Sea Thermal Contrast in the Boundary Layer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	10
3	Disentangling land model uncertainty via Matrix-based Ensemble Model Inter-comparison Platform (MEMIP). <i>Ecological Processes</i> , 2022, 11, .	1.6	1
4	Indirect effect of diabatic heating on Mei-yu frontogenesis. <i>Climate Dynamics</i> , 2022, 59, 851-868.	1.7	4
5	Investigation of ice cloud modeling capabilities for the irregularly shaped Voronoi ice scattering models in climate simulations. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4809-4825.	1.9	14
6	Improved Climate Simulation by Using a Doubleâ€¦Plume Convection Scheme in a Global Model. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	7
7	Decrease of Annually Accumulated Tropical Cycloneâ€¦Induced Sea Surface Cooling and Diapycnal Mixing in Recent Decades. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
8	Potential Impacts of Aerosol on Diurnal Variation of Precipitation in Autumn Over the Sichuan Basin, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	2
9	Wet spells over the core monsoon domain of northern Pakistan during the summer season. <i>International Journal of Climatology</i> , 2021, 41, 1402-1420.	1.5	0
10	The impact of atmospheric moisture transport on winter Arctic warming: Radiation versus latent heat release. <i>International Journal of Climatology</i> , 2021, 41, 3982-3993.	1.5	2
11	Significant Land Contributions to Interannual Predictability of East Asian Summer Monsoon Rainfall. <i>Earth's Future</i> , 2021, 9, e2020EF001762.	2.4	18
12	Potential Role of Irreversible Moist Processes in Modulating Tropical Cyclone Surface Wind Structure. <i>Journals of the Atmospheric Sciences</i> , 2021, 78, 709-725.	0.6	4
13	A dynamical pathway bridging African biomass burning and Asian summer monsoon. <i>Climate Dynamics</i> , 2021, 57, 1993-2004.	1.7	0
14	Evaluation of a Flexible Single Ice Microphysics and a Gaussian Probability-Density-Function Macrophysics Scheme in a Single Column Model. <i>Atmosphere</i> , 2021, 12, 638.	1.0	0
15	An Extreme Heat Event Induced by Typhoon Lekima (2019) and Its Contributing Factors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD034760.	1.2	6
16	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021, 14, 4465-4494.	1.3	31
17	Why does rapid contraction of the radius of maximum wind precede rapid intensification in tropical cyclones?. <i>Journals of the Atmospheric Sciences</i> , 2021, , .	0.6	6
18	Impacts of Irrigation and Vegetation Growth on Summer Rainfall in the Taklimakan Desert. <i>Advances in Atmospheric Sciences</i> , 2021, 38, 1863-1872.	1.9	5

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19	Footprint of Tropical Cyclone Cold Wakes on Top-of-Atmosphere Radiation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094705.	1.5	6
20	Dynamics of the spatiotemporal morphology of Mei-yu fronts: an initial survey. <i>Climate Dynamics</i> , 2021, 56, 2715-2728.	1.7	7
21	A Double-Moment SBU-LIN Cloud Microphysics Scheme and Its Impact on a Squall Line Simulation. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2021MS002545.	1.3	7
22	Implementation and evaluation of a double-plume convective parameterization in NCAR CAM5. <i>Journal of Climate</i> , 2021, , 1-51.	1.2	3
23	Elucidating the Life Cycle of Warm-Season Mesoscale Convective Systems in Eastern China from the Himawari-8 Geostationary Satellite. <i>Remote Sensing</i> , 2020, 12, 2307.	1.8	19
24	Effects of Terrain and Landmass Near Fujian Province of China on the Structure and Propagation of a Long-Lived Rainband in Typhoon Longwang (2005): A Numerical Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD033393.	1.2	3
25	Modulation of Clouds and Rainfall by Tropical Cyclone's Cold Wakes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088873.	1.5	33
26	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.	1.3	9
27	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
28	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.	1.7	8
29	Community Integrated Earth System Model (CIESM): Description and Evaluation. <i>Journal of Advances in Modeling Earth Systems</i> , 2020, 12, e2019MS002036.	1.3	44
30	Footprint of Tropical Mesoscale Convective System Variability on Stratospheric Water Vapor. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086320.	1.5	7
31	The Impact of SST on the Zonal Variability of the Western Pacific Subtropical High in Boreal Summer. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031720.	1.2	5
32	Dependence of Superintensity of Tropical Cyclones on SST in Axisymmetric Numerical Simulations. <i>Monthly Weather Review</i> , 2020, 148, 4767-4781.	0.5	9
33	How Much Does the Upward Advection of the Supergradient Component of Boundary Layer Wind Contribute to Tropical Cyclone Intensification and Maximum Intensity?. <i>Journals of the Atmospheric Sciences</i> , 2020, 77, 2649-2664.	0.6	13
34	Characteristics and Simulation Biases of Corkscrew Sea Breezes on the East Coast of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 18-34.	1.2	4
35	Precipitable water and CAPE dependence of rainfall intensities in China. <i>Climate Dynamics</i> , 2019, 52, 3357-3368.	1.7	31
36	Monthly variability of Luzon Strait tropical cyclone intensification over the Northern South China Sea in recent decades. <i>Climate Dynamics</i> , 2019, 52, 3631-3642.	1.7	6

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37	Strengthened Indian summer monsoon brought more rainfall to the western Tibetan Plateau during the early Holocene. <i>Science Bulletin</i> , 2019, 64, 1482-1485.	4.3	14
38	Tropical Cyclone Cold Wake Size and Its Applications to Power Dissipation and Ocean Heat Uptake Estimates. <i>Geophysical Research Letters</i> , 2019, 46, 10177-10185.	1.5	19
39	A Numerical Study on the Formation and Maintenance of a Long-Lived Rainband in Typhoon Longwang (2005). <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 10401-10426.	1.2	6
40	Prediction of Tropical Cyclone Genesis from Mesoscale Convective Systems Using Machine Learning. <i>Weather and Forecasting</i> , 2019, 34, 1035-1049.	0.5	26
41	Revisiting the Dynamics of Eyewall Contraction of Tropical Cyclones. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 3229-3245.	0.6	21
42	Madden-Julian Oscillations Seen in the Upper-Troposphere Vorticity Field: Interactions with Rossby Wave Trains. <i>Journals of the Atmospheric Sciences</i> , 2019, 76, 1785-1807.	0.6	6
43	Is atmospheric convection organised?: information entropy analysis. <i>Geophysical and Astrophysical Fluid Dynamics</i> , 2019, 113, 553-573.	0.4	2
44	Subtropical High Affects Interdecadal Variability of Tropical Cyclone Genesis in the South China Sea. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6379-6392.	1.2	13
45	Impact of Cumulus Microphysics and Entrainment Specification on Tropical Cloud and Radiation in GFDL AM2. <i>Earth Systems and Environment</i> , 2019, 3, 255-266.	3.0	3
46	Contribution of atmospheric moisture transport to winter Arctic warming. <i>International Journal of Climatology</i> , 2019, 39, 2697-2710.	1.5	18
47	Mesoscale Convective Systems in the Asian Monsoon Region From Advanced Himawari Imager: Algorithms and Preliminary Results. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 2210-2234.	1.2	57
48	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.	1.2	10
49	A collaborative analysis framework for distributed gridded environmental data. <i>Environmental Modelling and Software</i> , 2019, 111, 324-339.	1.9	4
50	Response of eddy activities to localized diabatic heating in Held-Suarez simulations. <i>Climate Dynamics</i> , 2018, 51, 3421-3434.	1.7	3
51	The Climatology of Low-Level Jet in Beijing and Guangzhou, China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 2816-2830.	1.2	34
52	Sensitivity of a Simulated Squall Line During Southern China Monsoon Rainfall Experiment to Parameterization of Microphysics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4197-4220.	1.2	25
53	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
54	Low probability of tropical cyclones on ocean planets in the habitable zones of M dwarfs. <i>Icarus</i> , 2018, 299, 364-369.	1.1	26

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55	Narrowing the surface temperature range in CMIP5 simulations over the Arctic. Theoretical and Applied Climatology, 2018, 132, 1073-1088.	1.3	2
56	Declining hailstorm frequency in China during 1961–2015 and its potential influential factors. International Journal of Climatology, 2018, 38, 4116-4126.	1.5	7
57	Alleviated Double ITCZ Problem in the NCAR CESM1: A New Cloud Scheme and the Working Mechanisms. Journal of Advances in Modeling Earth Systems, 2018, 10, 2318-2332.	1.3	11
58	Automatic tuning of the Community Atmospheric Model (CAM5) by using short-term hindcasts with an improved downhill simplex optimization method. Geoscientific Model Development, 2018, 11, 5189-5201.	1.3	11
59	A Diagnostic PDF Cloud Scheme to Improve Subtropical Low Clouds in NCAR Community Atmosphere Model (CAM5). Journal of Advances in Modeling Earth Systems, 2018, 10, 320-341.	1.3	29
60	Observational Relationship Between Entrainment Rate and Environmental Relative Humidity and Implications for Convection Parameterization. Geophysical Research Letters, 2018, 45, 13,495.	1.5	23
61	Connections Between a Late Summer Snowstorm Over the Southwestern Tibetan Plateau and a Concurrent Indian Monsoon Low-Pressure System. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,676.	1.2	13
62	Regional disparities in warm season rainfall changes over arid eastern–central Asia. Scientific Reports, 2018, 8, 13051.	1.6	14
63	A Long-Lasting Vortex Rossby Wave–Induced Rainband of Typhoon Longwang (2005). Bulletin of the American Meteorological Society, 2018, 99, 1127-1134.	1.7	9
64	Enlarging Rainfall Area of Tropical Cyclones by Atmospheric Aerosols. Geophysical Research Letters, 2018, 45, 8604-8611.	1.5	94
65	A long-term tropical mesoscale convective systems dataset based on a novel objective automatic tracking algorithm. Climate Dynamics, 2018, 51, 3145-3159.	1.7	50
66	Development of a global gridded Argo data set with Barnes successive corrections. Journal of Geophysical Research: Oceans, 2017, 122, 866-889.	1.0	90
67	Causes of model dry and warm bias over central U.S. and impact on climate projections. Nature Communications, 2017, 8, 881.	5.8	92
68	Impacts of pre-existing ocean cyclonic circulation on sea surface chlorophyll concentrations off northeastern Taiwan following episodic typhoon passages. Journal of Geophysical Research: Oceans, 2017, 122, 6482-6497.	1.0	21
69	Temporal evolution of near-surface chlorophyll over cyclonic eddy lifecycles in the southeastern Pacific. Journal of Geophysical Research: Oceans, 2017, 122, 6165-6179.	1.0	23
70	Development of a land surface model with coupled snow and frozen soil physics. Water Resources Research, 2017, 53, 5085-5103.	1.7	76
71	Recently amplified arctic warming has contributed to a continual global warming trend. Nature Climate Change, 2017, 7, 875-879.	8.1	218
72	Indian Monsoon Low-Pressure Systems Feed Upward Over Moisture Transport to the Southwestern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2017, 122, 12,140.	1.2	23

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73	The Southern China Monsoon Rainfall Experiment (SCMREX). <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 999-1013.	1.7	144
74	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
75	Observed Tropical Cyclone Size Revisited. <i>Journal of Climate</i> , 2016, 29, 2923-2939.	1.2	97
76	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
77	Clouds, Aerosols, and Precipitation in the Marine Boundary Layer: An Arm Mobile Facility Deployment. <i>Bulletin of the American Meteorological Society</i> , 2015, 96, 419-440.	1.7	117
78	Tropical cyclone rainfall area controlled by relative sea surface temperature. <i>Nature Communications</i> , 2015, 6, 6591.	5.8	139
79	Humidity variability revealed by a sounding array and its implications for cloud representation in GCMs. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 10499-10514.	1.2	8
80	Evaluation of Cloud Fraction Simulated by Seven SCMs against the ARM Observations at the SGP Site*. <i>Journal of Climate</i> , 2014, 27, 6698-6719.	1.2	10
81	Evaluation of intercomparisons of four different types of model simulating <scp>TWP&ICE</scp>. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2014, 140, 826-837.	1.0	18
82	Impact of Moisture Flux and Freezing Level on Simulated Orographic Precipitation Errors over the Pacific Northwest. <i>Journal of Hydrometeorology</i> , 2013, 14, 140-152.	0.7	15
83	Precipitation Partitioning, Tropical Clouds, and Intraseasonal Variability in GFDL AM2. <i>Journal of Climate</i> , 2013, 26, 5453-5466.	1.2	30
84	Evaluation of Precipitation Simulated by Seven SCMs against the ARM Observations at the SGP Site*. <i>Journal of Climate</i> , 2013, 26, 5467-5492.	1.2	31
85	A single-column model ensemble approach applied to the TWP&ICE experiment. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 6544-6563.	1.2	33
86	TWP&ICE global atmospheric model intercomparison: Convection responsiveness and resolution impact. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	38
87	Technique for Combined Dynamic Compression"Shear Testing of PBXs. <i>Experimental Mechanics</i> , 2012, 52, 205-213.	1.1	26
88	A New Bulk Microphysical Scheme That Includes Riming Intensity and Temperature-Dependent Ice Characteristics. <i>Monthly Weather Review</i> , 2011, 139, 1013-1035.	0.5	135
89	Clinical Significance of <i>CDH13</i> Promoter Methylation in Serum Samples from Patients with Bladder Transitional Cell Carcinoma. <i>Journal of International Medical Research</i> , 2011, 39, 179-186.	0.4	26
90	Parameterization of Riming Intensity and Its Impact on Ice Fall Speed Using ARM Data. <i>Monthly Weather Review</i> , 2011, 139, 1036-1047.	0.5	36

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91	The Dynamical Core, Physical Parameterizations, and Basic Simulation Characteristics of the Atmospheric Component AM3 of the GFDL Global Coupled Model CM3. <i>Journal of Climate</i> , 2011, 24, 3484-3519.	1.2	887
92	CLOUDS AND MORE: ARM Climate Modeling Best Estimate Data. <i>Bulletin of the American Meteorological Society</i> , 2010, 91, 13-20.	1.7	139
93	The 4 th -5 th December 2001 IMPROVE-2 Event: Observed Microphysics and Comparisons with the Weather Research and Forecasting Model. <i>Monthly Weather Review</i> , 2009, 137, 1372-1392.	0.5	54
94	Orographic Modification of Convection and Flow Kinematics by the Oregon Coast Range and Cascades during IMPROVE-2. <i>Monthly Weather Review</i> , 2008, 136, 3894-3916.	0.5	32
95	Comparison of various methods of detection of different forms of dengue virus type 2 RNA in cultured cells. <i>Acta Virologica</i> , 1997, 41, 317-24.	0.3	15