

## List of Publications by Year in descending order

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75  
papers

2,188  
citations

218381

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all docs

75  
docs citations

75  
times ranked

1116  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Southern China Monsoon Rainfall Experiment (SCMREX). <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 999-1013.	1.7	144
2	Statistical characteristics of raindrop size distributions observed in East China during the Asian summer monsoon season using 24-hour video disdrometer and Micro Rain Radar data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 2265-2282.	1.2	124
3	Diurnal Variations of the Land-Sea Breeze and Its Related Precipitation over South China. <i>Journals of the Atmospheric Sciences</i> , 2016, 73, 4793-4815.	0.6	113
4	Precipitation microphysics characteristics of a Typhoon Matmo (2014) rainband after landfall over eastern China based on polarimetric radar observations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 12,415.	1.2	85
5	Spatial and temporal characteristics of warm season convection over Pearl River Delta region, China, based on 30-years of operational radar data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 12,447.	1.2	82
6	Influence of Monsoonal Wind Speed and Moisture Content on Intensity and Diurnal Variations of the Mei-Yu Season Coastal Rainfall over South China. <i>Journals of the Atmospheric Sciences</i> , 2017, 74, 2835-2856.	0.6	76
7	Drop Size Distribution Characteristics of Seven Typhoons in China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6529-6548.	1.2	72
8	Radar-observed diurnal cycle and propagation of convection over the Pearl River Delta during Mei-Yu season. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 12557-12575.	1.2	65
9	Evolution of microphysical structure of a subtropical squall line observed by a polarimetric radar and a disdrometer during OPACC in Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 8033-8050.	1.2	61
10	Assimilation of coastal Doppler radar data with the ARPS 3DVAR and cloud analysis for the prediction of Hurricane Ike (2008). <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	58
11	Seasonal Variations of Observed Raindrop Size Distribution in East China. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 346-362.	1.9	57
12	Assessing the safety and efficacy of full robotic gastrectomy with intracorporeal robot-sewn anastomosis for gastric cancer: A randomized clinical trial. <i>Journal of Surgical Oncology</i> , 2016, 113, 397-404.	0.8	50
13	Synoptic Flow Patterns and Large-Scale Characteristics Associated with Rapidly Intensifying Tropical Cyclones in the South China Sea. <i>Monthly Weather Review</i> , 2015, 143, 64-87.	0.5	49
14	Improving Nowcasting of Convective Development by Incorporating Polarimetric Radar Variables Into a Deep-Learning Model. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095302.	1.5	49
15	Evaluation of Real-Time Convection-Permitting Precipitation Forecasts in China During the 2013-2014 Summer Season. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 1037-1064.	1.2	47
16	Kinematics and Microphysics of Convection in the Outer Rainband of Typhoon Nida (2016) Revealed by Polarimetric Radar. <i>Monthly Weather Review</i> , 2018, 146, 2147-2159.	0.5	45
17	Impacts of elevated-aerosol-layer and aerosol type on the correlation of AOD and particulate matter with ground-based and satellite measurements in Nanjing, southeast China. <i>Science of the Total Environment</i> , 2015, 532, 195-207.	3.9	43
18	Impacts of Instrument Limitations on Estimated Raindrop Size Distribution, Radar Parameters, and Model Microphysics during Mei-Yu Season in East China. <i>Journal of Atmospheric and Oceanic Technology</i> , 2017, 34, 1021-1037.	0.5	42

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19	Impacts of Urbanization on the Precipitation Characteristics in Guangdong Province, China. <i>Advances in Atmospheric Sciences</i> , 2020, 37, 696-706.	1.9	40
20	A Modeling Study on the Development of a Bowing Structure and Associated Rear Inflow within a Squall Line over South China. <i>Journals of the Atmospheric Sciences</i> , 2012, 69, 1182-1207.	0.6	37
21	Quantitative Precipitation Estimation with Operational Polarimetric Radar Measurements in Southern China: A Differential Phase-Based Variational Approach. <i>Journal of Atmospheric and Oceanic Technology</i> , 2018, 35, 1253-1271.	0.5	35
22	A Numerical Study on Rapid Intensification of Typhoon Vicente (2012) in the South China Sea. Part I: Verification of Simulation, Storm-Scale Evolution, and Environmental Contribution. <i>Monthly Weather Review</i> , 2017, 145, 877-898.	0.5	34
23	Recent Progress in Dual-Polarization Radar Research and Applications in China. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 961-974.	1.9	34
24	Improving Polarimetric C-Band Radar Rainfall Estimation with Two-Dimensional Video Disdrometer Observations in Eastern China. <i>Journal of Hydrometeorology</i> , 2017, 18, 1375-1391.	0.7	31
25	Recent significant tornadoes in China. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1209-1217.	1.9	29
26	Short-term forecasting through intermittent assimilation of data from Taiwan and mainland China coastal radars for Typhoon Meranti (2010) at landfall. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	28
27	A Hybrid Method to Estimate Specific Differential Phase and Rainfall With Linear Programming and Physics Constraints. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 96-111.	2.7	27
28	Role of the Nocturnal Low-level Jet in the Formation of the Morning Precipitation Peak over the Dabie Mountains. <i>Advances in Atmospheric Sciences</i> , 2019, 36, 15-28.	1.9	27
29	Microphysical and Kinematic Structure of Convective-scale Elements in the Inner Rainband of Typhoon Matmo (2014) After Landfall. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 6549-6564.	1.2	26
30	Influence of Synoptic Pattern and Low-level Wind Speed on Intensity and Diurnal Variations of Orographic Convection in Summer Over Pearl River Delta, South China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 6157-6179.	1.2	23
31	Single Doppler radar observation of the concentric eyewall in Typhoon Saomai, 2006, near landfall. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	22
32	Wind estimation around the shipwreck of Oriental Star based on field damage surveys and radar observations. <i>Science Bulletin</i> , 2016, 61, 330-337.	4.3	22
33	Initiation and Evolution of Elevated Convection in a Nocturnal Squall Line Along the Meiyu Front. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7292-7310.	1.2	22
34	Review of Chinese atmospheric science research over the past 70 years: Synoptic meteorology. <i>Science China Earth Sciences</i> , 2019, 62, 1946-1991.	2.3	22
35	Assimilation of GBVTD-retrieved winds from single-Doppler radar for short-term forecasting of super typhoon <i>Saomai</i> (0608) at landfall. <i>Quarterly Journal of the Royal Meteorological Society</i> , 2012, 138, 1055-1071.	1.0	21
36	Assimilating surface observations in a four-dimensional variational Doppler radar data assimilation system to improve the analysis and forecast of a squall line case. <i>Advances in Atmospheric Sciences</i> , 2016, 33, 1106-1119.	1.9	21

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37	The Deadliest Tornado (EF4) in the Past 40 Years in China. <i>Weather and Forecasting</i> , 2018, 33, 693-713.	0.5	21
38	Evaluation of Microphysics Schemes in Tropical Cyclones Using Polarimetric Radar Observations: Convective Precipitation in an Outer Rainband. <i>Monthly Weather Review</i> , 2021, 149, 1055-1068.	0.5	21
39	Landfalling Tropical Cyclone Research Project (LTCRP) in China. <i>Bulletin of the American Meteorological Society</i> , 2019, 100, ES447-ES472.	1.7	20
40	The Crucial Role of Synoptic Pattern in Determining the Spatial Distribution and Diurnal Cycle of Heavy Rainfall over the South China Coast. <i>Journal of Climate</i> , 2021, 34, 2441-2458.	1.2	20
41	Implementation of a dynamic equation constraint based on the steady state momentum equations within the WRF hybrid ensemble 3DVAR data assimilation system and test with radar TREC wind assimilation for tropical Cyclone Chanthu (2010). <i>Journal of Geophysical Research D: Atmospheres</i> , 2015, 120, 4017-4039.	1.2	19
42	Assimilation of T-TREC-Retrieved Winds from Single-Doppler Radar with an Ensemble Kalman Filter for the Forecast of Typhoon Jangmi (2008). <i>Monthly Weather Review</i> , 2014, 142, 1892-1907.	0.5	18
43	Doppler Radar Analysis of a Tornadic Miniature Supercell during the Landfall of Typhoon Mujigae (2015) in South China. <i>Bulletin of the American Meteorological Society</i> , 2017, 98, 1821-1831.	1.7	18
44	Evaluation of Simulated Drop Size Distributions and Microphysical Processes Using Polarimetric Radar Observations for Landfalling Typhoon Matmo (2014). <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031527.	1.2	18
45	Microphysical Characteristics of Three Convective Events with Intense Rainfall Observed by Polarimetric Radar and Disdrometer in Eastern China. <i>Remote Sensing</i> , 2019, 11, 2004.	1.8	17
46	VDRAS and Polarimetric Radar Investigation of a Bow Echo Formation After a Squall Line Merged With a Preline Convective Cell. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031719.	1.2	17
47	Microphysics of Stratiform and Convective Precipitation During Meiyu Season in Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2020JD032677.	1.2	15
48	Quasi-Periodic Intensification of Convective Asymmetries in the Outer Eyewall of Typhoon Lekima (2019). <i>Geophysical Research Letters</i> , 2021, 48, e2020GL091633.	1.5	15
49	Optimized raindrop size distribution retrieval and quantitative rainfall estimation from polarimetric radar. <i>Journal of Hydrology</i> , 2020, 580, 124248.	2.3	13
50	The T-TREC technique for retrieving the winds of landfalling typhoons in China. <i>Journal of Meteorological Research</i> , 2011, 25, 91-103.	1.0	12
51	Assimilation of TREC-retrieved wind data with WRF 3DVAR for the short-term forecasting of typhoon Meranti (2010) near landfall. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013, 118, 10361.	1.2	12
52	Doppler Radar Analysis of Triple Eyewalls in Typhoon Usagi (2013). <i>Bulletin of the American Meteorological Society</i> , 2016, 97, 25-30.	1.7	12
53	Microphysical Characteristics of the Phase-Locking VRW-Induced Asymmetric Convection in the Outer Eyewall of Super Typhoon Lekima (2019). <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	12
54	Impact of assimilating airborne Doppler radar velocity data using the ARPS 3DVAR on the analysis and prediction of Hurricane Ike (2008). <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	10

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55	Improving the extreme rainfall forecast of Typhoon Morakot (2009) by assimilating radar data from Taiwan Island and mainland China. <i>Journal of Meteorological Research</i> , 2017, 31, 747-766.	0.9	10
56	Dynamics and Predictability of the Rapid Intensification of Super Typhoon Usagi (2013). <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 7462-7481.	1.2	10
57	Subseasonal and Diurnal Variability in Lightning and Storm Activity over the Yangtze River Delta, China, during Mei-yu Season. <i>Journal of Climate</i> , 2020, 33, 5013-5033.	1.2	10
58	Evaluating Simulated Raindrop Size Distributions and Ice Microphysical Processes With Polarimetric Radar Observations in a Meiyu Front Event Over Eastern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD034511.	1.2	10
59	The Improvement to the Environmental Wind and Tropical Cyclone Circulation Retrievals with the Modified GBVTD (MGBVTD) Technique. <i>Journal of Applied Meteorology and Climatology</i> , 2013, 52, 2493-2508.	0.6	8
60	Improved Attenuation-Based Radar Precipitation Estimation Considering the Azimuthal Variabilities of Microphysical Properties. <i>Journal of Hydrometeorology</i> , 2020, 21, 1605-1620.	0.7	8
61	Microphysical Characteristics of Extreme-Rainfall Convection over the Pearl River Delta Region, South China from Polarimetric Radar Data during the Pre-summer Rainy Season. <i>Advances in Atmospheric Sciences</i> , 2023, 40, 874-886.	1.9	8
62	Roles of Multi-Scale Orography in Triggering Nocturnal Convection at a Summer Rainfall Hotspot Over the South China Coast: A Case Study. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	8
63	The Gradient Velocity Track Display (GrVTD) Technique for Retrieving Tropical Cyclone Primary Circulation from Aliased Velocities Measured by Single-Doppler Radar. <i>Journal of Atmospheric and Oceanic Technology</i> , 2012, 29, 1026-1041.	0.5	7
64	Effects of Aerosols on the Precipitation of Convective Clouds: A Case Study in the Yangtze River Delta of China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 7868-7885.	1.2	7
65	A Bayesian Hydrometeor Classification Algorithm for C-Band Polarimetric Radar. <i>Remote Sensing</i> , 2019, 11, 1884.	1.8	7
66	Impacts of Urban Expansion on the Diurnal Variations of Summer Monsoon Precipitation Over the South China Coast. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035318.	1.2	7
67	Evaluation and Modification of Microphysics Schemes on the Cold Pool Evolution for a Simulated Bow Echo in Southeast China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	7
68	Snow Particle Size Distribution From a 2-D Video Disdrometer and Radar Snowfall Estimation in East China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, , 1-12.	2.7	6
69	Validation of Precipitation Measurements From the Dual-Frequency Precipitation Radar Onboard the GPM Core Observatory Using a Polarimetric Radar in South China. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-16.	2.7	6
70	The impact of Retrieved wind and radial velocity data assimilation using EnKF and effects of assimilation window on the analysis and prediction of Typhoon Jangmi (2008). <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 259-277.	1.2	5
71	Storm-Scale Radar Data Assimilation and High Resolution NWP. <i>Advances in Meteorology</i> , 2014, 2014, 1-3.	0.6	3
72	Assimilation of X-Band Phased-Array Radar Data With EnKF for the Analysis and Warning Forecast of a Tornadoic Storm. <i>Journal of Advances in Modeling Earth Systems</i> , 2021, 13, e2020MS002441.	1.3	3

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73	Observed Surface Drag Coefficient Under High Wind Speed Conditions and the Relationship With Coherent Structures. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	3
74	An investigation on how inner-core structures obtained through radar data assimilation affect track forecasting of typhoon Jangmi (2008) near Taiwan Island. Journal of Geophysical Research D: Atmospheres, 2016, 121, 10,601.	1.2	1
75	Improving Time-Efficiency of Variational Specific Differential Phase Estimation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5642-5664.	2.7	1