Xichuan Liu

List of Publications by Year in descending order

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27	234	933447 10	1058476 14
papers	citations	h-index	g-index

27	27	27	157
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Attenuation Correction of Weather Radar Reflectivity with Arbitrary Oriented Microwave Link. Advances in Meteorology, 2017, 2017, 1-17.	1.6	26
2	Comparative measurement of rainfall with a precipitation micro-physical characteristics sensor, a 2D video disdrometer, an OTT PARSIVEL disdrometer, and a rain gauge. Atmospheric Research, 2019, 229, 100-114.	4.1	23
3	Rainfall Monitoring Based on Machine Learning by Earth-Space Link in the Ku Band. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 3656-3668.	4.9	20
4	A comparison study of raindrop size distribution among five sites at the urban scale during the East Asian rainy season. Journal of Hydrology, 2020, 590, 125500.	5.4	14
5	Machine Learning Classification of Rainfall Types Based on the Differential Attenuation of Multiple Frequency Microwave Links. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 6888-6899.	6.3	14
6	Experimental Study of Detecting Rainfall Using Microwave Links: Classification of Wet and Dry Periods. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5264-5271.	4.9	12
7	Use of the C-Band Microwave Link to Distinguish between Rainy and Dry Periods. Advances in Meteorology, 2019, 2019, 1-9.	1.6	11
8	Raindrop Size Distribution Retrieval Using Joint Dual-Frequency and Dual-Polarization Microwave Links. Advances in Meteorology, 2019, 2019, 1-11.	1.6	11
9	Real-Time Rainfall Estimation Using Microwave Links: A Case Study in East China during the Plum Rain Season in 2020. Sensors, 2021, 21, 858.	3.8	11
10	Wet Antenna Attenuation Model of E-Band Microwave Links Based on the LSTM Algorithm. IEEE Antennas and Wireless Propagation Letters, 2020, 19, 1586-1590.	4.0	10
11	Rainfall estimation using a microwave link based on an improved rain-induced attenuation model. Remote Sensing Letters, 2019, 10, 1057-1066.	1.4	9
12	Water Vapor Retrieval Using Commercial Microwave Links Based on the LSTM Network. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 4330-4338.	4.9	9
13	The Feasibility Analysis of Cellphone Signal to Detect the Rain: Experimental Study. IEEE Geoscience and Remote Sensing Letters, 2020, 17, 1158-1162.	3.1	8
14	Reconstruction and Nowcasting of Rainfall Field by Oblique Earth-Space Links Network: Preliminary Results from Numerical Simulation. Remote Sensing, 2020, 12, 3598.	4.0	8
15	Hydrometeor Identification Using Multiple-Frequency Microwave Links: A Numerical Simulation. Remote Sensing, 2020, 12, 2158.	4.0	7
16	Measuring Hydrometeors Using a Precipitation Microphysical Characteristics Sensor: Sampling Effect of Different Bin Sizes on Drop Size Distribution Parameters. Advances in Meteorology, 2018, 2018, 1-15.	1.6	6
17	Microphysical Characteristics of Winter Precipitation in Eastern China from 2014 to 2019. Water (Switzerland), 2020, 12, 920.	2.7	6
18	Estimating Water Vapor Using Signals from Microwave Links below 25 GHz. Remote Sensing, 2021, 13, 1409.	4.0	5

#	Article	IF	Citations
19	Research on the Method of Rainfall Field Retrieval Based on the Combination of Earthâ€“Space Links and Horizontal Microwave Links. Remote Sensing, 2022, 14, 2220.	4.0	5
20	Statistical Study of Rainfall Inversion Using the Earth-Space Link at the Ku Band: Optimization and Validation for 1 Year of Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 9486-9494.	4.9	4
21	Assessing the Effect of Riming on Snow Microphysics: The First Observational Study in East China. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033763.	3.3	4
22	An Improvement to Precipitation Inversion Model Using Oblique Earthâ€“Space Link Based on the Melting Layer Attenuation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6451-6465.	6.3	4
23	Potential Application of Using Smartphone Sensor for Estimating Air Temperature: Experimental Study. IEEE Internet of Things Journal, 2022, 9, 14300-14306.	8.7	4
24	Characteristics and Small-Scale Variations of Raindrop Size Distribution over the Yangtze River Delta in East China. Journal of Hydrologic Engineering - ASCE, 2020, 25, 05020010.	1.9	2
25	Measuring Hydrometeors with a Precipitation Microphysical Characteristics Sensor: Calibration and Field Measurements. Advances in Meteorology, 2017, 2017, 1-16.	1.6	1
26	Corrigendum to â€œAttenuation Correction of Weather Radar Reflectivity with Arbitrary Oriented Microwave Linkâ€• Advances in Meteorology, 2019, 2019, 1-1.	1.6	0
27	Classification of Precipitation Particles Types Using Images from Precipitation Microphysical Characteristics Sensor. , 2019, , .		0