

# Xichuan Liu

## List of Publications by Year in descending order

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27  
papers

234  
citations

933447

10  
h-index

1058476

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g-index

27  
all docs

27  
docs citations

27  
times ranked

157  
citing authors

#	ARTICLE	IF	CITATIONS
1	Potential Application of Using Smartphone Sensor for Estimating Air Temperature: Experimental Study. IEEE Internet of Things Journal, 2022, 9, 14300-14306.	8.7	4
2	Research on the Method of Rainfall Field Retrieval Based on the Combination of Earth-Space Links and Horizontal Microwave Links. Remote Sensing, 2022, 14, 2220.	4.0	5
3	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
4	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
5	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
6	Estimating Water Vapor Using Signals from Microwave Links below 25 GHz. Remote Sensing, 2021, 13, 1409.	4.0	5
7	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
8	An Improvement to Precipitation Inversion Model Using Oblique Earth-Space Link Based on the Melting Layer Attenuation. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 6451-6465.	6.3	4
9	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
10	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
11	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
12	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
13	Hydrometeor Identification Using Multiple-Frequency Microwave Links: A Numerical Simulation. Remote Sensing, 2020, 12, 2158.	4.0	7
14	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
15	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
16	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
17	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
18	Microphysical Characteristics of Winter Precipitation in Eastern China from 2014 to 2019. Water (Switzerland), 2020, 12, 920.	2.7	6

#	ARTICLE	IF	CITATIONS
19	Use of the C-Band Microwave Link to Distinguish between Rainy and Dry Periods. <i>Advances in Meteorology</i> , 2019, 2019, 1-9.	1.6	11
20	Rainfall estimation using a microwave link based on an improved rain-induced attenuation model. <i>Remote Sensing Letters</i> , 2019, 10, 1057-1066.	1.4	9
21	Raindrop Size Distribution Retrieval Using Joint Dual-Frequency and Dual-Polarization Microwave Links. <i>Advances in Meteorology</i> , 2019, 2019, 1-11.	1.6	11
22	Comparative measurement of rainfall with a precipitation micro-physical characteristics sensor, a 2D video disdrometer, an OTT PARSIVEL disdrometer, and a rain gauge. <i>Atmospheric Research</i> , 2019, 229, 100-114.	4.1	23
23	Corrigendum to "Attenuation Correction of Weather Radar Reflectivity with Arbitrary Oriented Microwave Link": <i>Advances in Meteorology</i> , 2019, 2019, 1-1.	1.6	0
24	Classification of Precipitation Particles Types Using Images from Precipitation Microphysical Characteristics Sensor. , 2019, , .		0
25	Measuring Hydrometeors Using a Precipitation Microphysical Characteristics Sensor: Sampling Effect of Different Bin Sizes on Drop Size Distribution Parameters. <i>Advances in Meteorology</i> , 2018, 2018, 1-15.	1.6	6
26	Attenuation Correction of Weather Radar Reflectivity with Arbitrary Oriented Microwave Link. <i>Advances in Meteorology</i> , 2017, 2017, 1-17.	1.6	26
27	Measuring Hydrometeors with a Precipitation Microphysical Characteristics Sensor: Calibration and Field Measurements. <i>Advances in Meteorology</i> , 2017, 2017, 1-16.	1.6	1