

Zhenhui

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7020026/publications.pdf>

Version: 2024-02-01

37
papers

303
citations

840776

11
h-index

888059

17
g-index

37
all docs

37
docs citations

37
times ranked

272
citing authors

#	ARTICLE	IF	CITATIONS
1	Computation of Lightning Horizontal Field Over the Two-Dimensional Rough Ground by Using the Three-Dimensional FDTD. IEEE Transactions on Electromagnetic Compatibility, 2014, 56, 143-148.	2.2	32
2	On the Accuracy of Wait's Formula Along a Mixed Propagation Path Within 1 km from the Lightning Channel. IEEE Transactions on Electromagnetic Compatibility, 2012, 54, 1042-1047.	2.2	29
3	Analysis of lightning electromagnetic field propagation in mountainous terrain and its effects on ToA-based lightning location systems. Journal of Geophysical Research D: Atmospheres, 2016, 121, 895-911.	3.3	25
4	Validation of the Cooray-Rubinstein (C-R) formula for a rough ground surface by using three-dimensional (3D) FDTD. Journal of Geophysical Research D: Atmospheres, 2013, 118, 12,749.	3.3	24
5	Lightning-Radiated Horizontal Electric Field Over a Rough- and Ocean-Land Mixed Propagation Path. IEEE Transactions on Electromagnetic Compatibility, 2013, 55, 733-738.	2.2	18
6	Comparison of cloud top heights derived from FY-2 meteorological satellites with heights derived from ground-based millimeter wavelength cloud radar. Atmospheric Research, 2018, 199, 113-127.	4.1	18
7	Simultaneous observation on electric field changes at 60 m and 550 m from altitude-triggered lightning flashes. Radio Science, 2009, 44, .	1.6	17
8	Remote sensing of lightning by a ground-based microwave radiometer. Atmospheric Research, 2014, 150, 143-150.	4.1	16
9	Studies of General Precipitation Features with TRMM PR Data: An Extensive Overview. Remote Sensing, 2019, 11, 80.	4.0	15
10	A Quality Control Method of Ground-Based Weather Radar Data Based on Statistics. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 2211-2219.	6.3	14
11	The Assessment of Ground-Based Weather Radar Data by Comparison With TRMM PR. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 72-76.	3.1	11
12	Mitigating Spatial Discontinuity of Multi-Radar QPE Based on GPM/KuPR. Hydrology, 2018, 5, 48.	3.0	11
13	Remote sensing of the lightning heating effect duration with ground-based microwave radiometer. Atmospheric Research, 2018, 205, 26-32.	4.1	9
14	Analysis of convective instability data derived from a ground-based microwave radiometer before triggering operations for artificial lightning. Atmospheric Research, 2020, 243, 105005.	4.1	9
15	The establishment of optimal ground-based radar datasets by comparison and correlation analyses with spaceborne radar data. Meteorological Applications, 2018, 25, 161-170.	2.1	8
16	Water vapor motion signal extraction from FY-2E longwave infrared window images for cloud-free regions: The temporal difference technique. Advances in Atmospheric Sciences, 2014, 31, 1386-1394.	4.3	6
17	Numerical simulation of raindrop scattering for C-band dual-polarization Doppler weather radar parameters. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 213, 133-142.	2.3	5
18	Preliminary study on the relationship between the brightness temperature pulses observed with a ground-based microwave radiometer and the lightning current integral values. Atmospheric Research, 2020, 245, 105072.	4.1	5

#	ARTICLE	IF	CITATIONS
19	The characteristics and simulation of close leader/return stroke field change waveforms. Radio Science, 2011, 46, .	1.6	4
20	Evaluation and Correction of Ground-Based Microwave Radiometer Observations Based on NCEP-FNL Data. Atmospheric and Climate Sciences, 2019, 09, 229-242.	0.3	4
21	Feasibility for Operationally Monitoring Ground-Based Multichannel Microwave Radiometer by Using Solar Observations. Atmosphere, 2021, 12, 447.	2.3	3
22	Evaluation and Improvement of the Quality of Ground-Based Microwave Radiometer Clear-Sky Data. Atmosphere, 2021, 12, 435.	2.3	3
23	Improving the Retrieval of Cloudy Atmospheric Profiles from Brightness Temperatures Observed with a Ground-Based Microwave Radiometer. Atmosphere, 2021, 12, 648.	2.3	3
24	Measurement of Solar Absolute Brightness Temperature Using a Ground-Based Multichannel Microwave Radiometer. Remote Sensing, 2021, 13, 2968.	4.0	3
25	Derivation of cloud-free-region atmospheric motion vectors from FY-2E thermal infrared imagery. Advances in Atmospheric Sciences, 2017, 34, 272-282.	4.3	2
26	Consistency analysis and correction of ground-based radar observations using space-borne radar. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 169, 114-121.	1.6	2
27	Statistical Modeling with a Hidden Markov Tree and High-resolution Interpolation for Spaceborne Radar Reflectivity in the Wavelet Domain. Advances in Atmospheric Sciences, 2020, 37, 1359-1374.	4.3	2
28	Analysis on the solar influence to brightness temperatures observed with a ground-based microwave radiometer. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 222, 105725.	1.6	2
29	Catalytic Oxidation of Chlorobenzene over Ce-Mn-Ox/TiO2: Performance Study of the Porous Structure. Catalysts, 2022, 12, 535.	3.5	2
30	Observing the Microwave Radiation of the Sun during a Solar Eclipse with a Ground-Based Multichannel Microwave Radiometer. Remote Sensing, 2022, 14, 2665.	4.0	1
31	Analysis of Lightning Risk of Huangshan Pines. , 2011, , .		0
32	Application of TCFM cloud motion wind data in the analysis study of Typhoon Morakot(0908). , 2011, , .		0
33	Notice of Retraction Generation of the radar bright band and its stimulation analysis: Effecton of the complex refractive index and raindrops final velocity. , 2011, , .		0
34	A typhoon simulation test with assimilated Doppler radar data. , 2011, , .		0
35	The significance analysis of FY-2E split window data for "clear region" AMVs derivation. , 2013, , .		0
36	Application of Chebyshev approaching function in a direct-detection wind Doppler Lidar data processing. Optik, 2019, 179, 1049-1056.	2.9	0

#	ARTICLE	IF	CITATIONS
37	Analysis and practice for observing artificially triggered lightning with a ground-based microwave radiometer. Atmospheric Research, 2021, 264, 105851.	4.1	0