Feiqin Xie

List of Publications by Year
in descending order

34 papers	759 citations	687363 13 h-index	552781 26 g-index
44 all docs	44 docs citations	44 times ranked	835 citing authors

#	Article	IF	Citations
1	Relationships between Extratropical Precipitation Systems and UTLS Temperatures and Tropopause Height from GPM and GPS-RO. Atmosphere, 2022, 13, 196.	2.3	0
2	Improving the Estimate of Summer Daytime Planetary Boundary Layer Height Over Land From GPS Radio Occultation Data. Geophysical Research Letters, 2022, 49, e2021GL096304.	4.0	3
3	Diurnal Variation of the Planetary Boundary Layer Height Observed from GNSS Radio Occultation and Radiosonde Soundings over the Southern Great Plains. Journal of Atmospheric and Oceanic Technology, 2021, , .	1.3	3
4	The COSMIC/FORMOSAT-3 Radio Occultation Mission after 12 Years: Accomplishments, Remaining Challenges, and Potential Impacts of COSMIC-2. Bulletin of the American Meteorological Society, 2020, 101, E1107-E1136.	3.3	88
5	An Assessment of PBL Heights and Low Cloud Profiles in CAM5 and CAM5â€CLUBB Over the Southeast Pacific Using Satellite Observations. Geophysical Research Letters, 2020, 47, e2019GL084498.	4.0	2
6	Ducting and Biases of GPS Radio Occultation Bending Angle and Refractivity in the Moist Lower Troposphere. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1013-1025.	1.3	6
7	Characterizing Extratropical Tropopause Bimodality and its Relationship to the Occurrence of Double Tropopauses Using COSMIC GPS Radio Occultation Observations. Remote Sensing, 2020, 12, 1109.	4.0	4
8	Precipitation characteristic changes due to global warming in a highâ€resolution (16 km) ECMWF simulation. Quarterly Journal of the Royal Meteorological Society, 2019, 145, 303-317.	2.7	32
9	The Effects of Deep Convection on Regional Temperature Structure in the Tropical Upper Troposphere and Lower Stratosphere. Journal of Geophysical Research D: Atmospheres, 2018, 123, 1585-1603.	3.3	22
10	The Impact of Airborne Radio Occultation Observations on the Simulation of Hurricane Karl (2010). Monthly Weather Review, 2018, 146, 329-350.	1.4	12
11	Evaluating the lower-tropospheric COSMIC GPS radio occultation sounding quality over the Arctic. Atmospheric Measurement Techniques, 2018, 11, 2051-2066.	3.1	15
12	Sensitivity of airborne radio occultation to tropospheric properties over ocean and land. Atmospheric Measurement Techniques, 2018, 11, 763-780.	3.1	5
13	Estimation of the marine boundary layer height over the central North Pacific using GPS radio occultation. Atmospheric Research, 2017, 183, 362-370.	4.1	19
14	Correcting negatively biased refractivity below ducts in GNSS radio occultation: an optimal estimation approach towards improving planetary boundary layer (PBL) characterization. Atmospheric Measurement Techniques, 2017, 10, 4761-4776.	3.1	11
15	Application of the full spectrum inversion algorithm to simulated airborne GPS radio occultation signals. Atmospheric Measurement Techniques, 2016, 9, 5077-5087.	3.1	7
16	Summary and Future Chances. Remote Sensing and Digital Image Processing, 2014, , 261-269.	0.7	0
17	GNSS Remote Sensing. Remote Sensing and Digital Image Processing, 2014, , .	0.7	116
18	Atmospheric Sensing Using GNSS RO. Remote Sensing and Digital Image Processing, 2014, , 121-157.	0.7	2

#	Article	IF	Citations
19	Ocean Remote Sensing Using GNSS-R. Remote Sensing and Digital Image Processing, 2014, , 215-239.	0.7	0
20	Introduction to GNSS. Remote Sensing and Digital Image Processing, 2014, , 3-16.	0.7	1
21	Hydrology and Vegetation Remote Sensing. Remote Sensing and Digital Image Processing, 2014, , 241-250.	0.7	1
22	Theory of GNSS Reflectometry. Remote Sensing and Digital Image Processing, 2014, , 175-214.	0.7	0
23	Cryospheric Sensing Using GNSS-R. Remote Sensing and Digital Image Processing, 2014, , 251-260.	0.7	0
24	Ground GNSS Atmospheric Sensing. Remote Sensing and Digital Image Processing, 2014, , 33-60.	0.7	0
25	Ground GNSS Ionosphere Sounding. Remote Sensing and Digital Image Processing, 2014, , 61-92.	0.7	0
26	Theory of GNSS Radio Occultation. Remote Sensing and Digital Image Processing, 2014, , 93-120.	0.7	0
27	Advances and limitations of atmospheric boundary layer observations with GPS occultation over southeast Pacific Ocean. Atmospheric Chemistry and Physics, 2012, 12, 903-918.	4.9	72
28	Cloud base and top heights in the Hawaiian region determined with satellite and groundâ€based measurements. Geophysical Research Letters, 2012, 39, .	4.0	86
29	Planetary boundary layer heights from GPS radio occultation refractivity and humidity profiles. Journal of Geophysical Research, 2012, 117, .	3.3	106
30	GPS/INS navigation precision and its effect on airborne radio occultation retrieval accuracy. GPS Solutions, 2011, 15, 207-218.	4.3	14
31	Atmospheric diurnal variations observed with GPS radio occultation soundings. Atmospheric Chemistry and Physics, 2010, 10, 6889-6899.	4.9	31
32	Profiling the Atmosphere Using the Airborne GPS Radio Occultation Technique: A Sensitivity Study. IEEE Transactions on Geoscience and Remote Sensing, 2008, 46, 3424-3435.	6.3	28
33	Development and testing of the GISMOS instrument. , 2007, , .		13
34	An Approach for Retrieving Marine Boundary Layer Refractivity from GPS Occultation Data in the Presence of Superrefraction. Journal of Atmospheric and Oceanic Technology, 2006, 23, 1629-1644.	1.3	58