T-W Fang

List of Publications by Year
in descending order

32 papers	1,442 citations	377584 21 h-index	488211 31 g-index
33 all docs	33 docs citations	33 times ranked	1000 citing authors

#	Article	IF	Citations
1	Automatic Spreadâ€F Detection Using Deep Learning. Radio Science, 2022, 57, .	0.8	3
2	Advances in Ionospheric Space Weather by Using FORMOSAT-7/COSMIC-2 GNSS Radio Occultations. Atmosphere, 2022, 13, 858.	1.0	12
3	The INSPIRESat-1: Mission, science, and engineering. Advances in Space Research, 2021, 68, 2616-2630.	1.2	9
4	Performance assessment in the commercial off-the-shelf receiver radio occultation mission on VELOX-CI satellite. Advances in Space Research, 2020, 66, 83-97.	1.2	0
5	Plasma Depletion Bays in the Equatorial Ionosphere Observed by FORMOSATâ€3/COSMIC During 2007â€“2014. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027501.	0.8	6
6	IDEASSat: A 3U CubeSat mission for ionospheric science. Advances in Space Research, 2020, 66, 116-134.	1.2	13
7	Quantifying the Sources of Ionosphere Dayâ€Toâ€Day Variability. Journal of Geophysical Research: Space Physics, 2018, 123, 9682-9696.	0.8	38
8	Assessment of the Impact of FORMOSATâ€7/COSMICâ€2 GNSS RO Observations on Midlatitude and Lowâ€Latitude Ionosphere Specification: Observing System Simulation Experiments Using Ensemble Square Root Filter. Journal of Geophysical Research: Space Physics, 2018, 123, 2296-2314.	0.8	32
9	A new source of the midlatitude ionospheric peak density structure revealed by a new Ionosphereâ€Plasmasphere model. Geophysical Research Letters, 2016, 43, 2429-2435.	1.5	37
10	Multimodel comparison of the ionosphere variability during the 2009 sudden stratosphere warming. Journal of Geophysical Research: Space Physics, 2016, 121, 7204-7225.	0.8	34
11	Impact of midnight thermosphere dynamics on the equatorial ionospheric vertical drifts. Journal of Geophysical Research: Space Physics, 2016, 121, 4858-4868.	0.8	12
12	Ionâ€neutral coupling effects on lowâ€latitude thermospheric evening winds. Journal of Geophysical Research: Space Physics, 2016, 121, 4638-4646.	0.8	6
13	Characteristics of acoustic gravity waves obtained from Dynasonde data. Journal of Geophysical Research: Space Physics, 2016, 121, 3665-3680.	0.8	19
14	Electrodynamics of the equatorial evening ionosphere: 2. Conductivity influences on convection, current, and electrodynamic energy flow. Journal of Geophysical Research: Space Physics, 2015, 120, 2133-2147.	0.8	23
15	Electrodynamics of the equatorial evening ionosphere: 1. Importance of winds in different regions. Journal of Geophysical Research: Space Physics, 2015, 120, 2118-2132.	0.8	45
16	First forecast of a sudden stratospheric warming with a coupled wholeâ€atmosphere/ionosphere model IDEA. Journal of Geophysical Research: Space Physics, 2014, 119, 2079-2089.	0.8	47
17	Ionospheric response to sudden stratospheric warming events at low and high solar activity. Journal of Geophysical Research: Space Physics, 2014, 119, 7858-7869.	0.8	33
18	Longitudinal and dayâ€toâ€day variability in the ionosphere from lower atmosphere tidal forcing. Geophysical Research Letters, 2013, 40, 2523-2528.	1.5	48

#	Article	IF	Citations
19	Longitudinal variation of ionospheric vertical drifts during the 2009 sudden stratospheric warming. Journal of Geophysical Research, 2012, 117, .	3.3	66
20	Ionosphere response to recurrent geomagnetic activity in 1974. Journal of Geophysical Research, 2012, 117, .	3.3	9
21	Modeling the daytime, equatorial ionospheric ion densities associated with the observed, fourâ€cell longitude patterns in E Ã— B drift velocities. Radio Science, 2012, 47, .	0.8	7
22	Simulations of solar and lunar tidal variability in the mesosphere and lower thermosphere during sudden stratosphere warmings and their influence on the lowâ€latitude ionosphere. Journal of Geophysical Research, 2012, 117, .	3.3	98
23	Longitudinal variations in theFregion ionosphere and the topside ionosphere-plasmasphere: Observations and model simulations. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	61
24	Forecasting the dynamic and electrodynamic response to the January 2009 sudden stratospheric warming. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	64
25	A whole atmosphere model simulation of the impact of a sudden stratospheric warming on thermosphere dynamics and electrodynamics. Journal of Geophysical Research, 2010, 115, .	3.3	112
26	Response of the thermosphere and ionosphere to an ultra fast Kelvin wave. Journal of Geophysical Research, 2010, 115, .	3.3	58
27	Highâ€resolution vertical E Ã— B drift model derived from ROCSATâ€1 data. Journal of Geophysical Research, 2009, 114, .	3.3	60
28	Causal link of the waveâ€4 structures in plasma density and vertical plasma drift in the lowâ€latitude ionosphere. Journal of Geophysical Research, 2009, 114, .	3.3	64
29	Wind dynamo effects on ground magnetic perturbations and vertical drifts. Journal of Geophysical Research, 2008, 113, .	3.3	35
30	Plausible effect of atmospheric tides on the equatorial ionosphere observed by the FORMOSAT-3/COSMIC: Three-dimensional electron density structures. Geophysical Research Letters, 2007, 34, .	1.5	158
31	Motions of the equatorial ionization anomaly crests imaged by FORMOSATâ€3/COSMIC. Geophysical Research Letters, 2007, 34, .	1.5	161
32	Solar flare signatures of the ionospheric GPS total electron content. Journal of Geophysical Research, 2006, 111, .	3.3	72