Nathaniel A Frissell

List of Publications by Year
in descending order

22 papers	376 citations	759055 12 h-index	794469 19 g-index
27 all docs	27 docs citations	27 times ranked	547 citing authors

#	Article	IF	Citations
1	Sources and characteristics of mediumâ€scale traveling ionospheric disturbances observed by highâ€frequency radars in the North American sector. Journal of Geophysical Research: Space Physics, 2016, 121, 3722-3739.	0.8	50
2	Climatology of mediumâ€scale traveling ionospheric disturbances observed by the midlatitude Blackstone SuperDARN radar. Journal of Geophysical Research: Space Physics, 2014, 119, 7679-7697.	0.8	44
3	Highâ€Frequency Communications Response to Solar Activity in September 2017 as Observed by Amateur Radio Networks. Space Weather, 2019, 17, 118-132.	1.3	37
4	Ionospheric Sounding Using Realâ€Time Amateur Radio Reporting Networks. Space Weather, 2014, 12, 651-656.	1.3	31
5	Satelliteâ€beacon Ionosphericâ€scintillation Global Model of the upper Atmosphere (SIGMA) II: Inverse modeling with highâ€latitude observations to deduce irregularity physics. Journal of Geophysical Research: Space Physics, 2016, 121, 9188-9203.	0.8	26
6	Superposed epoch analysis of magnetotail flux transport during substorms observed by THEMIS. Journal of Geophysical Research, 2011, 116, .	3.3	23
7	Storm time response of the midlatitude thermosphere: Observations from a network of Fabryâ€Perot interferometers. Journal of Geophysical Research: Space Physics, 2014, 119, 6758-6773.	0.8	23
8	Highâ€latitude thermospheric wind observations and simulations with SuperDARN data driven NCAR TIEGCM during the December 2006 magnetic storm. Journal of Geophysical Research: Space Physics, 2015, 120, 6021-6028.	0.8	16
9	Modeling Amateur Radio Soundings of the Ionospheric Response to the 2017 Great American Eclipse. Geophysical Research Letters, 2018, 45, 4665-4674.	1.5	15
10	Observations of storm time midlatitude ionâ€neutral coupling using SuperDARN radars and NATION Fabryâ€Perot interferometers. Journal of Geophysical Research: Space Physics, 2015, 120, 8989-9003.	0.8	14
11	Investigating Upper Atmospheric Joule Heating Using Crossâ€Combination of Data for Two Moderate Substorm Cases. Space Weather, 2018, 16, 987-1012.	1.3	14
12	The importance of elevation angle measurements in HF radar investigations of the ionosphere. Radio Science, 2017, 52, 305-320.	0.8	13
13	First Observations of Large Scale Traveling Ionospheric Disturbances Using Automated Amateur Radio Receiving Networks. Geophysical Research Letters, 2022, 49, .	1.5	13
14	First radar observations in the vicinity of the plasmapause of pulsed ionospheric flows generated by bursty bulk flows. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	12
15	Principal component analysis of polar cap convection. Geophysical Research Letters, 2012, 39, .	1.5	11
16	Simultaneous space and groundâ€based observations of a plasmaspheric virtual resonance. Journal of Geophysical Research: Space Physics, 2017, 122, 4190-4209.	0.8	8
17	Citizen Radio Science: An Analysis of Amateur Radio Transmissions With eâ€POP RRI. Radio Science, 2018, 53, 933-947.	0.8	8
18	SuperDARN ionospheric space weather. IEEE Aerospace and Electronic Systems Magazine, 2011, 26, 30-34.	2.3	4

#	Article	IF	Citations
19	Citizen Scientists Conduct Distributed Doppler Measurement for Ionospheric Remote Sensing. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	4
20	Ham Radio Forms a Planet-Sized Space Weather Sensor Network. Eos, 2021, 102, .	0.1	4
21	Monitoring ionospheric space weather with the Super Dual Auroral Radar Network (SuperDARN). , 2010, , .		2
22	Grape Version 1: First prototype of the low-cost personal space weather station receiver. HardwareX, 2022, 11, e00289.	1.1	2