

# Jonathan J Makela

## List of Publications by Citations

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138  
papers

3,926  
citations

35  
h-index

55  
g-index

150  
ext. papers

4,629  
ext. citations

3.4  
avg, IF

5.33  
L-index

#	Paper	IF	Citations
138	An update to the Horizontal Wind Model (HWM): The quiet time thermosphere. <i>Earth and Space Science</i> , <b>2015</b> , 2, 301-319	3.1	327
137	Penetration of the solar wind electric field into the magnetosphere/ionosphere system. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	202
136	Airglow observations of mesoscale low-velocity traveling ionospheric disturbances at midlatitudes. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 18407-18415		150
135	. <i>IEEE Transactions on Power Systems</i> , <b>2013</b> , 28, 3253-3262	7	126
134	Imaging and modeling the ionospheric airglow response over Hawaii to the tsunami generated by the Tohoku earthquake of 11 March 2011. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	112
133	Imaging the structure of a large-scale TID using ISR and TEC data. <i>Geophysical Research Letters</i> , <b>2004</b> , 31, n/a-n/a	4.9	82
132	The first coordinated ground- and space-based optical observations of equatorial plasma bubbles. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	78
131	Resolution of the discrepancy between experiment and theory of midlatitude F-region structures. <i>Geophysical Research Letters</i> , <b>2001</b> , 28, 2589-2592	4.9	73
130	Three-dimensional numerical modeling of tsunami-related internal gravity waves in the Hawaiian atmosphere. <i>Earth, Planets and Space</i> , <b>2011</b> , 63, 847-851	2.9	70
129	CONVECTIVE IONOSPHERIC STORMS: A REVIEW. <i>Reviews of Geophysics</i> , <b>2011</b> , 49,	23.1	69
128	The Ionospheric Connection Explorer Mission: Mission Goals and Design. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	68
127	First observations of intense GPS L1 amplitude scintillations at midlatitude. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 4-1-4-4	4.9	65
126	Michelson Interferometer for Global High-resolution Thermospheric Imaging (MIGHTI): Instrument Design and Calibration. <i>Space Science Reviews</i> , <b>2017</b> , 212, 553-584	7.5	64
125	Observations of equatorial spread-F from Haleakala, Hawaii. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 64-1-64-4	4.9	61
124	Analysis of the seasonal variations of equatorial plasma bubble occurrence observed from Haleakala, Hawaii. <i>Annales Geophysicae</i> , <b>2004</b> , 22, 3109-3121	2	60
123	Climatology of the nighttime equatorial thermospheric winds and temperatures over Brazil near solar minimum. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116, n/a-n/a		57
122	A review of imaging low-latitude ionospheric irregularity processes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2006</b> , 68, 1441-1458	2	56

121	Field-aligned 777.4-nm composite airglow images of equatorial plasma depletions. <i>Geophysical Research Letters</i> , <b>2003</b> , 30,	4.9	56
120	Overview of Nighttime Ionospheric Instabilities at Low- and Mid-Latitudes: Coupling Aspects Resulting in Structuring at the Mesoscale. <i>Space Science Reviews</i> , <b>2012</b> , 168, 419-440	7.5	53
119	Seeding of equatorial plasma depletions by polarization electric fields from middle latitudes: Experimental evidence. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	51
118	Case studies of coupling between the E and F regions during unstable sporadic-E conditions. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		51
117	Thermospheric poleward wind surge at midlatitudes during great storm intervals. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5132-5140	4.9	49
116	Periodic spacing between consecutive equatorial plasma bubbles. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	48
115	Nighttime medium-scale traveling ionospheric disturbances at low geomagnetic latitudes. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	43
114	Day-to-day variability of the equatorial ionization anomaly and scintillations at dusk observed by GUVI and modeling by SAMI3. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		42
113	The MIGHTI Wind Retrieval Algorithm: Description and Verification. <i>Space Science Reviews</i> , <b>2017</b> , 212, 585-600	7.5	39
112	Large magnetic storm-induced nighttime ionospheric flows at midlatitudes and their impacts on GPS-based navigation systems. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		39
111	Climatologies of nighttime thermospheric winds and temperatures from Fabry-Perot interferometer measurements: From solar minimum to solar maximum. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 6679-6693	2.6	38
110	Modeling of equatorial plasma bubbles triggered by non-equatorial traveling ionospheric disturbances. <i>Geophysical Research Letters</i> , <b>2011</b> , 38, n/a-n/a	4.9	38
109	Simulation and analysis of a multi-order imaging Fabry-Perot interferometer for the study of thermospheric winds and temperatures. <i>Applied Optics</i> , <b>2011</b> , 50, 4403-16	0.2	38
108	Two components of ionospheric plasma structuring at midlatitudes observed during the large magnetic storm of October 30, 2003. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	38
107	Caribbean Ionosphere Campaign, year one: Airglow and plasma observations during two intense mid-latitude spread-F events. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2825-2828	4.9	38
106	Combined Ionospheric Campaign 1: Ionospheric tomography and GPS total electron count (TEC) depletions. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2849-2852	4.9	38
105	All-sky imaging observations of mesospheric fronts in OI 557.7 nm and broadband OH airglow emissions: Analysis of frontal structure, atmospheric background conditions, and potential sourcing mechanisms. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		37
104	The geospace response to variable inputs from the lower atmosphere: a review of the progress made by Task Group 4 of CAWSES-II. <i>Progress in Earth and Planetary Science</i> , <b>2015</b> , 2,	3.9	36

103	On the electrical structure of airglow depletion/Height layer bands over Arecibo. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2837-2840	4.9	35
102	Storming the Bastille: the effect of electric fields on the ionospheric F-layer. <i>Annales Geophysicae</i> , <b>2010</b> , 28, 977-981	2	34
101	Traveling ionospheric disturbances over the United States induced by gravity waves from the 2011 Tohoku tsunami and comparison with gravity wave dissipative theory. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 3430-3447	2.6	33
100	Near-continual ground-based nighttime observations of thermospheric neutral winds and temperatures over equatorial Brazil from 2009 to 2012. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2013</b> , 103, 94-102	2	33
99	Climatology of nighttime medium-scale traveling ionospheric disturbances (MSTIDs) in the Central Pacific and South American sectors. <i>Annales Geophysicae</i> , <b>2013</b> , 31, 2229-2237	2	33
98	Nonlinear regression method for estimating neutral wind and temperature from Fabry-Perot interferometer data. <i>Applied Optics</i> , <b>2014</b> , 53, 666-73	1.7	31
97	The Remote Equatorial Nighttime Observatory of Ionospheric Regions Project and the International Heliospherical Year. <i>Earth, Moon and Planets</i> , <b>2009</b> , 104, 211-226	0.6	31
96	Three-dimensional tomography of ionospheric variability using a dense GPS receiver array. <i>Radio Science</i> , <b>2008</b> , 43, n/a-n/a	1.4	30
95	Analysis of equatorial plasma bubble zonal drift velocities in the Pacific sector by imaging techniques. <i>Annales Geophysicae</i> , <b>2007</b> , 25, 701-709	2	30
94	Large-Scale Measurements of Thermospheric Dynamics with a Multisite Fabry-Perot Interferometer Network: Overview of Plans and Results from Midlatitude Measurements. <i>International Journal of Geophysics</i> , <b>2012</b> , 2012, 1-10	2	29
93	Optical observations of the growth and day-to-day variability of equatorial plasma bubbles. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		29
92	Highly structured tropical airglow and TEC signatures during strong geomagnetic activity. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 465-468	4.9	29
91	Comparison of zonal neutral winds with equatorial plasma bubble and plasma drift velocities. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 1802-1812	2.6	28
90	Excitation of gravity waves by ocean surface wave packets: Upward propagation and reconstruction of the thermospheric gravity wave field. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 9748-9780	2.6	25
89	Comparison of nighttime zonal neutral winds and equatorial plasma bubble drift velocities over Brazil. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		25
88	Using the 630.0-nm nightglow emission as a surrogate for the ionospheric Pedersen conductivity. <i>Journal of Geophysical Research</i> , <b>2003</b> , 108,		25
87	Seasonal dependence of northern high-latitude upper thermospheric winds: A quiet time climatological study based on ground-based and space-based measurements. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 2619-2644	2.6	24
86	Mesoscale structure of the midlatitude ionosphere during high geomagnetic activity: Airglow and GPS observations. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 18417-18427		24

85	Nightside Detection of a Large-Scale Thermospheric Wave Generated by a Solar Eclipse. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 3366-3373	4.9	23
84	Localized three-dimensional ionospheric tomography with GPS ground receiver measurements. <i>Radio Science</i> , <b>2007</b> , 42, n/a-n/a	1.4	23
83	Coherent and incoherent scatter radar observations during intense mid-latitude spread F. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2829-2832	4.9	23
82	Ionospheric topography maps using multiple-wavelength all-sky images. <i>Journal of Geophysical Research</i> , <b>2001</b> , 106, 29161-29174		23
81	Seasonal Dependence of Geomagnetic Active-Time Northern High-Latitude Upper Thermospheric Winds. <i>Journal of Geophysical Research: Space Physics</i> , <b>2018</b> , 123, 739-754	2.6	22
80	Radiative transfer modeling of the OI 135.6 $\mu$ m emission in the nighttime ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 10116-10135	2.6	22
79	Modeling the ionospheric impact of tsunami-driven gravity waves with SAMI3: Conjugate effects. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 5719-5726	4.9	22
78	Intercomparisons of total electron content measurements using the Arecibo Incoherent Scatter Radar and GPS. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 2841-2844	4.9	22
77	Assimilation Ionosphere Model: Development and testing with Combined Ionospheric Campaign Caribbean measurements. <i>Radio Science</i> , <b>2001</b> , 36, 247-259	1.4	22
76	<b>2014</b> ,		21
75	Topside signature of medium-scale traveling ionospheric disturbances. <i>Annales Geophysicae</i> , <b>2014</b> , 32, 959-965	2	21
74	Electrostatic reconnection in the ionosphere. <i>Geophysical Research Letters</i> , <b>2015</b> , 42, 1626-1631	4.9	20
73	Mesospheric wave signatures and equatorial plasma bubbles: A case study. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		20
72	The ionospheric responses to the 2011 Tohoku, 2012 Haida Gwaii, and 2010 Chile tsunamis: Effects of tsunami orientation and observation geometry. <i>Earth and Space Science</i> , <b>2015</b> , 2, 472-483	3.1	19
71	By-dependent prompt penetrating electric fields at the magnetic equator. <i>Geophysical Research Letters</i> , <b>2002</b> , 29, 57-1	4.9	19
70	Storm time response of the midlatitude thermosphere: Observations from a network of Fabry-Perot interferometers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6758-6773	2.6	18
69	Temporal properties of intense GPS L1 amplitude scintillations at midlatitudes. <i>Radio Science</i> , <b>2004</b> , 39, n/a-n/a	1.4	18
68	First observations of an F-region turbulent upwelling coincident with severe E-region plasma and neutral atmosphere perturbations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2002</b> , 64, 1545-1556		18

67	GPS normalization and preliminary modeling results of total electron content during a midlatitude space weather event. <i>Radio Science</i> , <b>2001</b> , 36, 351-361	1.4	18
66	Validation of ICON-MIGHTI Thermospheric Wind Observations: 2. Green-Line Comparisons to Specular Meteor Radars. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028947	2.6	18
65	Self-consistent generation of MSTIDs within the SAMI3 numerical model. <i>Journal of Geophysical Research: Space Physics</i> , <b>2014</b> , 119, 6745-6757	2.6	17
64	Modeling Geomagnetically Induced Currents From Magnetometer Measurements: Spatial Scale Assessed With Reference Measurements. <i>Space Weather</i> , <b>2017</b> , 15, 1357-1372	3.7	17
63	Coordinated study of coherent radar backscatter and optical airglow depletions in the central Pacific. <i>Journal of Geophysical Research</i> , <b>2010</b> , 115, n/a-n/a		17
62	C/NOFS and radar observations during a convective ionospheric storm event over South America. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	17
61	Mid-latitude ionospheric fluctuation spectra due to secondary instabilities. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2004</b> , 66, 1559-1565	2	17
60	Climatology of thermospheric neutral winds over Oukaïmeden Observatory in Morocco. <i>Annales Geophysicae</i> , <b>2017</b> , 35, 161-170	2	16
59	Convective Ionospheric Storms: A Major Space Weather Problem. <i>Space Weather</i> , <b>2006</b> , 4, n/a-n/a	3.7	16
58	Estimation of mesoscale thermospheric wind structure using a network of interferometers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 3928-3940	2.6	15
57	Low latitude thermospheric responses to magnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2013</b> , 118, 3866-3876	2.6	15
56	Equatorial plasma bubble zonal velocity using 630.0 nm airglow observations and plasma drift modeling over Ascension Island. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		15
55	Optical observations of the development of secondary instabilities on the eastern wall of an equatorial plasma bubble. <i>Journal of Geophysical Research</i> , <b>2006</b> , 111,		15
54	New results on equatorial thermospheric winds and temperatures from Ethiopia, Africa. <i>Annales Geophysicae</i> , <b>2017</b> , 35, 333-344	2	14
53	First observations of SBAS/WAAS scintillations: Using collocated scintillation measurements and all-sky images to study equatorial plasma bubbles. <i>Geophysical Research Letters</i> , <b>2005</b> , 32, n/a-n/a	4.9	14
52	Validation of ICON-MIGHTI Thermospheric Wind Observations: 1. Nighttime Red-Line Ground-Based Fabry-Perot Interferometers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028726	2.6	14
51	Atmospheric scattering effects on ground-based measurements of thermospheric vertical wind, horizontal wind, and temperature. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 7654-7669	2.6	12
50	Redistribution of H atoms in the upper atmosphere during geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 10,686-10,693	2.6	12

49	Observations of storm time midlatitude ion-neutral coupling using SuperDARN radars and NATION Fabry-Perot interferometers. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 8989-9003	2.6	12
48	Simultaneous radio interferometer and optical observations of ionospheric structure at the Very Large Array. <i>Radio Science</i> , <b>2009</b> , 44, n/a-n/a	1.4	11
47	Further studies of the Perkins stability during Space Weather Month. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 1071-1075	2	11
46	Inferring Nighttime Ionospheric Parameters With the Far Ultraviolet Imager Onboard the Ionospheric Connection Explorer. <i>Space Science Reviews</i> , <b>2018</b> , 214, 1	7.5	10
45	Intrinsic parameters of periodic waves observed in the OI6300 airglow layer over the Brazilian equatorial region. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 265-273	2	10
44	Modeled and observed equatorial thermospheric winds and temperatures. <i>Journal of Geophysical Research: Space Physics</i> , <b>2015</b> , 120, 5832-5844	2.6	9
43	Observations of midlatitude ionospheric instabilities generating meter-scale waves at the magnetic equator. <i>Journal of Geophysical Research</i> , <b>2009</b> , 114, n/a-n/a		9
42	Simultaneous observations of convective ionospheric storms: ROCSAT-1 and ground-based imagers. <i>Space Weather</i> , <b>2005</b> , 3, n/a-n/a	3.7	9
41	Intense nighttime flux from the plasmasphere during a modest magnetic storm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 1099-1105	2	9
40	First observations of coherent scatter from the mid-latitude F-region in the Caribbean. <i>Geophysical Research Letters</i> , <b>2000</b> , 27, 935-938	4.9	9
39	Observation of tsunami-generated ionospheric signatures over Hawaii caused by the 16 September 2015 Illapel earthquake. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 1128-1136	2.6	8
38	Thermospheric Weather as Observed by Ground-Based FPIs and Modeled by GITM. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 1307-1316	2.6	8
37	HL-TWiM Empirical Model of High-Latitude Upper Thermospheric Winds. <i>Journal of Geophysical Research: Space Physics</i> , <b>2019</b> , 124, 10592-10618	2.6	8
36	Reply to Tsurutani et al.'s comment on "Storming the Bastille: the effect of electric fields on the ionospheric F-layer" by Rishbeth et al. (2010). <i>Annales Geophysicae</i> , <b>2013</b> , 31, 151-152	2	8
35	Ionospheric data assimilation: recovery of strong mid-litudinal density gradients. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 1087-1097	2	8
34	Influences on the Development of Equatorial Plasma Bubbles: Insights from a Long-Term Optical Dataset <b>2011</b> , 239-249		8
33	The Impact of Magnetic Field Temporal Sampling on Modeled Surface Electric Fields. <i>Space Weather</i> , <b>2018</b> , 16, 1721-1739	3.7	8
32	Ionospheric and thermospheric response to the 27-28 February 2014 geomagnetic storm over north Africa. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 987-998	2	8

31	Quantifying the inversion accuracy of simplified physical models for the nighttime OI 135.6nm emission. <i>Journal of Geophysical Research: Space Physics</i> , <b>2016</b> , 121, 5805-5814	2.6	7
30	Tracking F-region plasma depletion bands using GPS-TEC, incoherent scatter radar, and all-sky imaging at Arecibo. <i>Earth, Planets and Space</i> , <b>2008</b> , 60, 633-646	2.9	7
29	Mid-latitude plasma and electric field measurements during space weather month, September 1999. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , <b>2003</b> , 65, 1077-1085	2	7
28	Simultaneous Measurements and Monthly Climatologies of Thermospheric Winds and Temperatures in the Peruvian and Brazilian Longitudinal Sectors. <i>Geophysical Monograph Series</i> , <b>2016</b> , 175-186	1.1	5
27	Errors From Asymmetric Emission Rate in Spaceborne, Limb Sounding Doppler Interferometry: A Correction Algorithm With Application to ICON/MIGHTI. <i>Earth and Space Science</i> , <b>2020</b> , 7, e2020EA001164	2.1	4
26	Effects of the midnight temperature maximum observed in the thermosphere-ionosphere over the northeast of Brazil. <i>Annales Geophysicae</i> , <b>2017</b> , 35, 953-963	2	4
25	Simulations of imaging Fabry-Perot interferometers for measuring upper-atmospheric temperatures and winds. <i>Applied Optics</i> , <b>2012</b> , 51, 3787-800	1.7	4
24	A multi-instrument technique for localization of scintillation-causing regions in the equatorial ionosphere. <i>Journal of Geophysical Research</i> , <b>2008</b> , 113, n/a-n/a		4
23	Regulation of ionospheric plasma velocities by thermospheric winds.. <i>Nature Geoscience</i> , <b>2021</b> , 14, 893-898	2.3	4
22	A climatology of the nighttime thermospheric winds over Sutherland, South Africa. <i>Advances in Space Research</i> , <b>2021</b> ,	2.4	4
21	Atmospheric Gravity Waves Observed in the Nightglow Following the 21 August 2017 Total Solar Eclipse. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL088924	4.9	4
20	Quasi-2-Day Wave in Low-Latitude Atmospheric Winds as Viewed From the Ground and Space During January-March, 2020. <i>Geophysical Research Letters</i> , <b>2021</b> , 48, e2021GL093466	4.9	4
19	Ground-Based Optical Measurements of Quiet Time Thermospheric Wind and Temperature: Atmospheric Scattering Corrections. <i>Journal of Geophysical Research: Space Physics</i> , <b>2017</b> , 122, 11,624-11,632	2.6	3
18	New results on the mid-latitude midnight temperature maximum. <i>Annales Geophysicae</i> , <b>2018</b> , 36, 541-553		3
17	Experimental Validation of a Technique to Estimate Vertical Wavelength Parameters From Gravity Wave Perturbations on Mesospheric Airglows. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2014</b> , 52, 1982-1990	8.1	3
16	Two-dimensional imaging of the development phase of plasma instabilities in the Earth's ionosphere. <i>IEEE Transactions on Plasma Science</i> , <b>2005</b> , 33, 502-503	1.3	3
15	Assimilation of thermospheric measurements for ionosphere-thermosphere state estimation. <i>Radio Science</i> , <b>2016</b> , 51, 1818-1837	1.4	3
14	<b>2018</b> ,		3



13	Postmidnight equatorial plasma irregularities on the June solstice during low solar activity: A case study. <i>Annales Geophysicae</i> , <b>2019</b> , 37, 657-672	2	2
12	Atmosphere-Ionosphere (A-I) Coupling as Viewed by ICON: Day-to-Day Variability Due to Planetary Wave (PW)-Tide Interactions. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028927	2.6	2
11	Overview of Nighttime Ionospheric Instabilities at Low- and Mid-Latitudes: Coupling Aspects Resulting in Structuring at the Mesoscale. <i>Space Sciences Series of ISSI</i> , <b>2011</b> , 419-440	0.1	2
10	Experiment for studying spatial and temporal behavior of the ionosphere	2002, 4485, 266	1
9	Measurement of atmospheric neutral wind and temperature from Fabry-Perot interferometer data using piloted deconvolution. <i>Applied Optics</i> , <b>2019</b> , 58, 3685-3695	1.7	1
8	Thermospheric Neutral Winds Above the Oukaimeden Observatory: Effects of Geomagnetic Activity. <i>Journal of Geophysical Research: Space Physics</i> , <b>2020</b> , 125, e2019JA027383	2.6	1
7	Thermospheric Neutral Wind Measurements and Investigations across the African Region: A Review. <i>Atmosphere</i> , <b>2022</b> , 13, 863	2.7	1
6	Q2DW-Tide and -Ionosphere Interactions as Observed From ICON and Ground-Based Radars.. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2021JA029961	2.6	0
5	Comparison of Thermospheric Winds Measured by GOCE and Ground-Based FPIs at Low and Middle Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , <b>2021</b> , 126, e2020JA028182	2.6	0
4	Predictability of Geomagnetically Induced Currents as a Function of Available Magnetic Field Information. <i>Space Weather</i> , <b>2021</b> , 19, e2021SW002747	3.7	0
3	Thermospheric Dynamics in Quiet and Disturbed Conditions. <i>Proceedings of the International Astronomical Union</i> , <b>2017</b> , 13, 151-158	0.1	
2	Optical and Radio Observations of Structure in the Midlatitude Ionosphere: Midlatitude Ionospheric Dynamics and Disturbances. <i>Geophysical Monograph Series</i> , <b>2013</b> , 311-317	1.1	
1	Solar initiative at Oukaimeden Observatory. <i>Proceedings of the International Astronomical Union</i> , <b>2012</b> , 8, 479-480	0.1	