

Endawoke Yizengaw

List of Publications by Year in descending order

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77
papers

2,013
citations

186265
28
h-index

265206
42
g-index

97
all docs

97
docs citations

97
times ranked

1433
citing authors

#	ARTICLE	IF	CITATIONS
1	Global plasmaspheric TEC and its relative contribution to GPS TEC. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 1541-1548.	1.6	126
2	Interplanetary shocks and the resulting geomagnetically induced currents at the equator. <i>Geophysical Research Letters</i> , 2015, 42, 6554-6559.	4.0	90
3	The longitudinal variability of equatorial electrojet and vertical drift velocity in the African and American sectors. <i>Annales Geophysicae</i> , 2014, 32, 231-238.	1.6	87
4	Postmidnight bubbles and scintillations in the quiet-time June solstice. <i>Geophysical Research Letters</i> , 2013, 40, 5592-5597.	4.0	85
5	Global equatorial plasma bubble occurrence during the 2015 St. Patrick's Day storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 894-905.	2.4	78
6	The altitude extension of the mid-latitude trough and its correlation with plasmopause position. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	63
7	Geomagnetically Induced Currents Caused by Interplanetary Shocks With Different Impact Angles and Speeds. <i>Space Weather</i> , 2018, 16, 636-647.	3.7	58
8	Geomagnetic control of equatorial plasma bubble activity modeled by the TIEGCM with $\langle i \rangle K_p \langle /i \rangle$. <i>Geophysical Research Letters</i> , 2014, 41, 5331-5339.	4.0	55
9	Ionosphere dynamics over the Southern Hemisphere during the 31 March 2001 severe magnetic storm using multi-instrument measurement data. <i>Annales Geophysicae</i> , 2005, 23, 707-721.	1.6	54
10	The correlation between mid-latitude trough and the plasmopause. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	54
11	An analysis of the quiet time day-to-day variability in the formation of postsunset equatorial plasma bubbles in the Southeast Asian region. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3206-3223.	2.4	53
12	Geomagnetically induced currents around the world during the 17 March 2015 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,496.	2.4	50
13	Longitudinal and Seasonal Variability of Equatorial Ionospheric Irregularities and Electrodynamics. <i>Space Weather</i> , 2018, 16, 946-968.	3.7	50
14	Unusual topside ionospheric density response to the November 2003 superstorm. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	49
15	Causes of the longitudinal differences in the equatorial vertical $\langle i \rangle E \langle /i \rangle - \langle i \rangle B \langle /i \rangle$ drift during the 2013 SSW period as simulated by the TIME-GCM. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5117-5136.	2.4	49
16	Comparison of storm time equatorial ionospheric electrodynamics in the African and American sectors. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 156-163.	1.6	46
17	Longitudinal differences of ionospheric vertical density distribution and equatorial electrodynamics. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	46
18	Validation of the NeQuick 2 and IRI-2007 models in East-African equatorial region. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 102, 26-33.	1.6	44

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19	Southern Hemisphere ionosphere and plasmasphere response to the interplanetary shock event of 29-31 October 2003. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	42
20	Ionospheric signatures of a plasmaspheric plume over Europe. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	42
21	African Meridian B-Field Education and Research (AMBER) Array. <i>Earth, Moon and Planets</i> , 2009, 104, 237-246.	0.6	40
22	The Southern Hemisphere and equatorial region ionization response for a 22 September 1999 severe magnetic storm. <i>Annales Geophysicae</i> , 2004, 22, 2765-2773.	1.6	39
23	Local TEC modelling and forecasting using neural networks. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018, 172, 143-151.	1.6	36
24	Strong postmidnight equatorial ionospheric anomaly observations during magnetically quiet periods. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	33
25	An investigation of ionospheric disturbances over South Africa during the magnetic storm on 15 May 2005. <i>Advances in Space Research</i> , 2012, 49, 327-335.	2.6	33
26	First observations of poleward large-scale traveling ionospheric disturbances over the African sector during geomagnetic storm conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6914-6929.	2.4	33
27	Using tomography of GPS TEC to routinely determine ionospheric average electron density profiles. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 314-321.	1.6	30
28	Simultaneous storm time equatorward and poleward large-scale TIDs on a global scale. <i>Geophysical Research Letters</i> , 2016, 43, 6678-6686.	4.0	30
29	TEC ingestion into NeQuick 2 to model the East African equatorial ionosphere. <i>Radio Science</i> , 2012, 47, .	1.6	29
30	The occurrence of ionospheric signatures of plasmaspheric plumes over different longitudinal sectors. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	28
31	Intense Equatorial Electrojet and Counter Electrojet Caused by the 15 January 2022 Tonga Volcanic Eruption: Space- and Ground-Based Observations. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	27
32	Using solar wind data to predict daily GPS scintillation occurrence in the African and Asian low-latitude regions. <i>Geophysical Research Letters</i> , 2014, 41, 8176-8184.	4.0	24
33	A simultaneous study of ionospheric parameters derived from FORMOSAT-3/COSMIC, GRACE, and CHAMP missions over middle, low, and equatorial latitudes: Comparison with ionosonde data. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7732-7744.	2.4	23
34	Dynamic Response of Ionospheric Plasma Density to the Geomagnetic Storm of 22-23 June 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7123-7139.	2.4	22
35	Electrodynamics of the high-latitude trough: Its relationship with convection flows and field-aligned currents. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2565-2572.	2.4	21
36	Storm Time Global Observations of Large-Scale TIDs From Ground-Based and In Situ Satellite Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 711-724.	2.4	21

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37	New results on equatorial thermospheric winds and temperatures from Ethiopia, Africa. <i>Annales Geophysicae</i> , 2017, 35, 333-344.	1.6	19
38	Ionospheric Density Irregularities, Turbulence, and Wave Disturbances During the Total Solar Eclipse Over North America on 21 August 2017. <i>Geophysical Research Letters</i> , 2018, 45, 7909-7917.	4.0	18
39	Response of the equatorial ionosphere to the geomagnetic DP_2 current system. <i>Geophysical Research Letters</i> , 2016, 43, 7364-7372.	4.0	17
40	Observations of equatorial ionization anomaly over Africa and Middle East during a year of deep minimum. <i>Annales Geophysicae</i> , 2017, 35, 123-132.	1.6	17
41	On the Assessment of Daily Equatorial Plasma Bubble Occurrence Modeling and Forecasting. <i>Space Weather</i> , 2020, 18, e2020SW002555.	3.7	15
42	The International Community Coordinated Modeling Center Space Weather Modeling Capabilities Assessment: Overview of Ionosphere/Thermosphere Activities. <i>Space Weather</i> , 2019, 17, 527-538.	3.7	14
43	First tomographic image of ionospheric outflows. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	13
44	Unseasonal development of post-sunset F-region irregularities over Southeast Asia on 28 July 2014: 1. Forcing from above?. <i>Progress in Earth and Planetary Science</i> , 2018, 5, .	3.0	13
45	Signatures of the midnight open-closed magnetic field line boundary during balanced dayside and nightside reconnection. <i>Annales Geophysicae</i> , 2002, 20, 1617-1630.	1.6	11
46	A study of the spatial density distribution in the topside ionosphere and plasmasphere using the FedSat GPS receiver. <i>Advances in Space Research</i> , 2006, 38, 2318-2323.	2.6	10
47	Global Longitudinal Dependence Observation of the Neutral Wind and Ionospheric Density Distribution. <i>International Journal of Geophysics</i> , 2012, 2012, 1-11.	1.1	10
48	Long-Term Estimation of Diurnal Vertical $E \times B$ Drift Velocities Using C/NOFS and Ground-Based Magnetometer Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 6996-7010.	2.4	10
49	Storm-time characteristics of the equatorial ionization anomaly in the East African sector. <i>Advances in Space Research</i> , 2015, 56, 57-70.	2.6	9
50	Observations of ULF wave related equatorial electrojet and density fluctuations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2013, 103, 157-168.	1.6	8
51	Validation of NeQuick TEC data ingestion technique against C/NOFS and EISCAT electron density measurements. <i>Radio Science</i> , 2016, 51, 905-917.	1.6	8
52	Radio Occultation Measurements From the Australian Microsatellite FedSat. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2012, 50, 4832-4839.	6.3	7
53	Modeling total solar irradiance from PMOD composite using feed-forward neural networks. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 135, 64-71.	1.6	7
54	Sq solar variation at Medea Observatory (Algeria), from 2008 to 2011. <i>Advances in Space Research</i> , 2016, 58, 1682-1695.	2.6	7

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55	Mean solar quiet daily variations in the earth's magnetic field along East African longitudes. <i>Advances in Space Research</i> , 2014, 54, 283-289.	2.6	6
56	Spatio-temporal characteristics of the Equatorial Ionization Anomaly (EIA) in the East African region via ionospheric tomography during the year 2012. <i>Advances in Space Research</i> , 2015, 55, 184-198.	2.6	6
57	Forcing From Lower Thermosphere and Quiet Time Scintillation Longitudinal Dependence. <i>Space Weather</i> , 2020, 18, e2020SW002610.	3.7	6
58	International Heliophysical Year: GPS Network in Africa. <i>Earth, Moon and Planets</i> , 2009, 104, 263-270.	0.6	5
59	Longitudinal, seasonal and solar cycle variation in lunar tide influence on the equatorial electrojet. <i>Annales Geophysicae</i> , 2017, 35, 525-533.	1.6	5
60	Determinations of ionosphere and plasmasphere electron content for an African chain of GPS stations. <i>Annales Geophysicae</i> , 2017, 35, 599-612.	1.6	5
61	ULF Wave-Associated Density Irregularities and Scintillation at the Equator. <i>Geophysical Research Letters</i> , 2018, 45, 5290-5298.	4.0	5
62	Estimating the daytime vertical $E \times B$ drift velocities in the F-region of the equatorial ionosphere using the IEEY and AMBER magnetic data in West Africa. <i>Advances in Space Research</i> , 2020, 65, 2573-2585.	2.6	4
63	Counter-Electrojet Occurrence as Observed From C/NOFS Satellite and Ground-Based Magnetometer Data Over the African and American Sectors. <i>Space Weather</i> , 2019, 17, 1090-1104.	3.7	3
64	The Potential Impacts of the Erratic Motion of Dip Equator and Magnetic Poles. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028129.	2.4	3
65	The Effect of F -Layer Zonal Neutral Wind on the Monthly and Longitudinal Variability of Equatorial Ionosphere Irregularity and Drift Velocity. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027671.	2.4	3
66	Low-Latitude Pi2 Waves according to Observations on SWARM Satellites and Ground Stations. <i>Cosmic Research</i> , 2020, 58, 1-11.	0.6	3
67	The day-to-day longitudinal variability of the global ionospheric density distribution at low latitudes during low solar activity. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1813-1823.	2.4	2
68	Temporal Variations in Solar Irradiance Since 1947. <i>Solar Physics</i> , 2017, 292, 1.	2.5	2
69	Nonvalidation of mesospheric horizontal wind fluctuations derived from temperature data via comparison with MF radar wind measurements. <i>Journal of Geophysical Research</i> , 1999, 104, 27565-27572.	3.3	1
70	AGU Scientists Host Teacher Workshop in Ethiopia. <i>Eos</i> , 2008, 89, 99.	0.1	0
71	An investigation of ionospheric disturbances over South Africa during the magnetic storm on 15 May 2005. , 2011, , .		0
72	Observations of ULF wave related equatorial electrojet and density fluctuations. , 2011, , .		0

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73	The Longitudinal Properties of the Ionosphere and Their Effects on Space Weather. <i>Eos</i> , 2013, 94, 160-160.	0.1	0
74	Postmidnight bubbles and scintillations in the quiet-time June solstice: Possible forcing from lower atmosphere. , 2015, , .		0
75	Nonlinear Least Squares Fitting Technique for the Determination of Field Line Resonance Frequency in Ground Magnetometer Data: Application to Remote Sensing of Plasmaspheric Mass Density. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028440.	2.4	0
76	Systematic Solar Cycle Variation of the Ionospheric TEC Gradient Magnitude Distribution over the Brazilian Airspace. , 0, , .		0
77	A Statistical Study of Poleward Traveling Ionospheric Disturbances Over the African and American Sectors During Geomagnetic Storms. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	2.4	0