

W X Wan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

343
papers

7,101
citations

42
h-index

59
g-index

356
ext. papers

8,269
ext. citations

3.4
avg, IF

5.82
L-index

#	Paper	IF	Citations
343	A 2-year locomotive exploration and scientific investigation of the lunar farside by the Yutu-2 rover.. <i>Science Robotics</i> , 2022 , 7, eabj6660	18.6	1
342	A new method to calibrate residual ionospheric error of GNSS RO bending angle. <i>GPS Solutions</i> , 2022 , 26, 1	4.4	
341	An active phased array radar in China. <i>Nature Astronomy</i> , 2022 , 6, 619-619	12.1	3
340	Whistler Wings and Reflected Particles During Solar Wind Interaction of Lunar Magnetic Anomalies. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092425	4.9	1
339	A Detection Performance Analysis of Sanya Incoherent Scatter Radar Tristatic System. <i>Radio Science</i> , 2021 , 56, e2020RS007144	1.4	1
338	Simulation of the Signal-to-Noise Ratio of Sanya Incoherent Scatter Radar Tristatic System. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 2982-2993	8.1	1
337	Challenges to Equatorial Plasma Bubble and Ionospheric Scintillation Short-Term Forecasting and Future Aspects in East and Southeast Asia. <i>Surveys in Geophysics</i> , 2021 , 42, 201-238	7.6	12
336	A Statistical Survey of Low-Frequency Magnetic Fluctuations at Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028387	2.6	0
335	Solar flare effects in the Earth's magnetosphere. <i>Nature Physics</i> , 2021 , 17, 807-812	16.2	3
334	A Simulation of the Influence of DE3 Tide on Nitric Oxide Infrared Cooling. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027131	2.6	1
333	Characterizing Ionospheric Effect on GNSS Radio Occultation Atmospheric Bending Angle. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027471	2.6	2
332	A Case Study of the Enhancements in Ionospheric Electron Density and Its Longitudinal Gradient at Chinese Low Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027751	2.6	3
331	Formation of Macroscale Flux Transfer Events at Mercury. <i>Astrophysical Journal Letters</i> , 2020 , 893, L18	7.9	9
330	Structures of Multiple Large-Scale Traveling Ionospheric Disturbances Observed by Dense Global Navigation Satellite System Networks in China. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027032	2.6	2
329	Quiet-Time Day-to-Day Variability of Equatorial Vertical E _{TB} Drift From Atmosphere Perturbations at Dawn. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027824	2.6	6
328	In Situ Photometric Experiment of Lunar Regolith With Visible and Near-Infrared Imaging Spectrometer On Board the Yutu-2 Lunar Rover. <i>Journal of Geophysical Research E: Planets</i> , 2020 , 125, e2019JE006076	4.1	10
327	Evaluation on the Quasi-Realistic Ionospheric Prediction Using an Ensemble Kalman Filter Data Assimilation Algorithm. <i>Space Weather</i> , 2020 , 18, e2019SW002410	3.7	9

326	The Flapping Motion of Mercury's Magnetotail Current Sheet: MESSENGER Observations. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086011	4.9	5
325	New Features of the Enhancements in Electron Density at Low Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027539	2.6	4
324	Comparison of Reference Heights of O/N2 and D/N2 Based on GUVI Dayside Limb Measurement. <i>Space Weather</i> , 2020 , 18, e2019SW002391	3.7	6
323	Implantation of Earth's Atmospheric Ions Into the Nearside and Farside Lunar Soil: Implications to Geodynamo Evolution. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086208	4.9	4
322	Plasmapause surface wave oscillates the magnetosphere and diffuse aurora. <i>Nature Communications</i> , 2020 , 11, 1668	17.4	8
321	Equatorial aurora: the aurora-like airglow in the negative magnetic anomaly. <i>National Science Review</i> , 2020 , 7, 1606-1615	10.8	2
320	Asymmetric Lunar Magnetic Perturbations Produced by Reflected Solar Wind Particles. <i>Astrophysical Journal Letters</i> , 2020 , 893, L36	7.9	2
319	Olivine-norite rock detected by the lunar rover Yutu-2 likely crystallized from the SPA-impact melt pool. <i>National Science Review</i> , 2020 , 7, 913-920	10.8	33
318	A New Method for Deriving the Nightside Thermospheric Density Based on GUVI Dayside Limb Observations. <i>Space Weather</i> , 2020 , 18, e2019SW002304	3.7	
317	The payloads of planetary physics research onboard China's First Mars Mission (Tianwen-1). <i>Earth and Planetary Physics</i> , 2020 , 4, 331-332	1.6	6
316	Seasonal Variation of O/N2 on Different Pressure Levels From GUVI Limb Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027844	2.6	3
315	Observing System Impact on Ionospheric Specification Over China Using EnKF Assimilation. <i>Space Weather</i> , 2020 , 18, e2020SW002527	3.7	1
314	Hough Mode Decomposition of the SE2 Tide Extracted From TIMED Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027898	2.6	
313	Climatology of Nighttime Upper Thermospheric Winds From Fabry-Perot Interferometer 2011-2019 Measurements Over Kelan (38.7°N, 111.6°E), China: Local Time, Seasonal, Solar Cycle, and Geomagnetic Activity Dependence. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA027892	2.6	
312	High-Order Solar Migrating Tides Quench at SSW Onsets. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086778	4.9	78
311	The Relationship Between Photoelectron Boundary and Steep Electron Density Gradient on Mars: MAVEN Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 8015-8022	2.6	7
310	East-West Difference in the Ionospheric Response of the March 1989 Great Magnetic Storm Throughout East Asian Region. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9364-9380	2.6	0
309	Meteorological Scale Correlation Relationship of the Ionospheric Longitudinal Structure Wavenumber 4 and Upper Atmospheric Daily DE3 Tide. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2046-2057	2.6	1

308	Trapped and Accelerated Electrons Within a Magnetic Mirror Behind a Flux Rope on the Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3993-4008	2.6	7
307	Comparison of Thermospheric Density Between GUVI Dayside Limb Data and CHAMP Satellite Observations: Based on Empirical Model. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2165-2177	2.6	4
306	A Statistical Approach to Quantify Atmospheric Contributions to the ITEC WN4 Structure Over Low Latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 2178-2197	2.6	2
305	The Induced Global Looping Magnetic Field on Mars. <i>Astrophysical Journal Letters</i> , 2019 , 871, L27	7.9	5
304	Possible Detection of Torsional Alfvén Waves within an Interplanetary Magnetic Cloud. <i>Astrophysical Journal Letters</i> , 2019 , 874, L19	7.9	2
303	Evolution of the Subauroral Polarization Stream Oscillations During the Severe Geomagnetic Storm on 20 November 2003. <i>Geophysical Research Letters</i> , 2019 , 46, 599-607	4.9	3
302	EnKF Ionosphere and Thermosphere Data Assimilation Algorithm Through a Sparse Matrix Method. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7356-7365	2.6	6
301	Properties of Stream Interactions and Their Associated Shocks near 1.52 au: MAVEN Observations. <i>Astrophysical Journal</i> , 2019 , 879, 118	4.7	5
300	New Aspects of the Ionospheric Behavior Over Millstone Hill During the 30-Day Incoherent Scatter Radar Experiment in October 2002. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6288-6295	2.6	4
299	Unusual Multiple Excitation of Large-Scale Gravity Waves by Successive Stream Interactions: The Role of Alfvénic Fluctuations. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 6281-6287	2.6	3
298	Hough Mode Decomposition of the DE3 tide extracted from TIMED observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2019 , 195, 105140	2	1
297	Reduced Atmospheric Ion Escape Above Martian Crustal Magnetic Fields. <i>Geophysical Research Letters</i> , 2019 , 46, 11764-11772	4.9	5
296	A three-dimensional model of spiral null pair to form ion-scale flux ropes in magnetic reconnection region observed by Cluster. <i>Physics of Plasmas</i> , 2019 , 26, 112901	2.1	3
295	Long-Term Trend of Topside Ionospheric Electron Density Derived From DMSP Data During 1995-2017. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 10708-10727	2.6	6
294	Estimation of the Occurrence Probability of Extreme Geomagnetic Storms by Applying Extreme Value Theory to Aa Index. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 9943-9952	2.6	6
293	A study of the ionospheric disturbances associated with strong earthquakes using the empirical orthogonal function analysis. <i>Journal of Asian Earth Sciences</i> , 2019 , 171, 225-232	2.8	3
292	Two Day Wave Traveling Westward With Wave Number 1 During the Sudden Stratospheric Warming in January 2017. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 3005-3013	2.6	15
291	The Effect of Solar Radio Bursts on GNSS Signals 2018 , 541-554		4

290	The Magnetic Field Structure of Mercury's Magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 548-566	2.6	26
289	Ionospheric Trend Over Wuhan During 1947-2017: Comparison Between Simulation and Observation. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 1396-1409	2.6	8
288	Daytime F-region irregularity triggered by rocket-induced ionospheric hole over low latitude. <i>Progress in Earth and Planetary Science</i> , 2018 , 5,	3.9	8
287	Large-Scale Structure of Subauroral Polarization Streams During the Main Phase of a Severe Geomagnetic Storm. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2964-2973	2.6	12
286	Responses of Solar Irradiance and the Ionosphere to an Intense Activity Region. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2116	2.6	5
285	Cluster Observations of a Dispersive Flapping Event of Magnetotail Current Sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5571-5579	2.6	7
284	The Distribution of Two Flapping Types of Magnetotail Current Sheet: Implication for the Flapping Mechanism. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7413-7423	2.6	11
283	A Comparative Study of the Proton Properties of Magnetospheric Substorms at Earth and Mercury in the Near Magnetotail. <i>Geophysical Research Letters</i> , 2018 , 45, 7933-7941	4.9	13
282	Global Responses of the Coupled Thermosphere and Ionosphere System to the August 2017 Great American Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 7040-7050	2.6	35
281	Asymmetric DE3 causes WN3 in the ionosphere. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 173, 14-22	2	1
280	New Approach to Estimate Tidal Climatology From Ground- and Space-Based Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5087-5101	2.6	7
279	On the Relation Between Soft Electron Precipitations in the Cusp Region and Solar Wind Coupling Functions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 211-226	2.6	1
278	Chinese ionospheric investigations in 2016-2017. <i>Earth and Planetary Physics</i> , 2018 , 89-111	1.6	3
277	Reconnection Acceleration in Saturn's Dayside Magnetodisk: A Multicase Study with Cassini. <i>Astrophysical Journal Letters</i> , 2018 , 868, L23	7.9	12
276	MESSENGER Observations of Rapid and Impulsive Magnetic Reconnection in Mercury's Magnetotail. <i>Astrophysical Journal Letters</i> , 2018 , 860, L20	7.9	12
275	Depletion and Traveling Ionospheric Disturbances Generated by Two Launches of China's Long March 4B Rocket. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 10,319	2.6	4
274	The Merging of Two Stream Interaction Regions within 1 au: The Possible Role of Magnetic Reconnection. <i>Astrophysical Journal Letters</i> , 2018 , 869, L6	7.9	2
273	Global ionospheric electron density estimation based on multisource TEC data assimilation. <i>GPS Solutions</i> , 2017 , 21, 1125-1137	4.4	17

272	Mesospheric temperatures estimated from the meteor radar observations at Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2249-2259	2.6	18
271	First observation of presunset ionospheric F region bottom-type scattering layer. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 3788-3797	2.6	14
270	Ionospheric response following the Mw 7.8 Gorkha earthquake on 25 April 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6495-6507	2.6	4
269	Simulations of the ionospheric annual asymmetry: Sun-Earth distance effect. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 6727-6736	2.6	15
268	Global tidal mapping from observations of a radar campaign. <i>Advances in Space Research</i> , 2017 , 60, 130-143	2.4	2
267	The effect of zonal wind reversal around sunset on ionospheric interhemispheric asymmetry at March equinox of a solar maximum year 2000. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 4726-4735	2.6	6
266	Variations of the meteor echo heights at Beijing and Mohe, China. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1117-1127	2.6	11
265	An overturning-like thermospheric Na layer and its relevance to ionospheric field aligned irregularity and sporadic E. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017 , 162, 151-161	2	3
264	Different Evolution Patterns of Subauroral Polarization Streams (SAPS) During Intense Storms and Quiet Time Substorms. <i>Geophysical Research Letters</i> , 2017 , 44, 10,796	4.9	17
263	Cold Ion Outflow Modulated by the Solar Wind Energy Input and Tilt of the Geomagnetic Dipole. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,658-10,668	2.6	11
262	The variability of SE2 tide extracted from TIMED/SABER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 2136-2150	2.6	5
261	MESSENGER observations of the energization and heating of protons in the near-Mercury magnetotail. <i>Geophysical Research Letters</i> , 2017 , 44, 8149-8158	4.9	23
260	Stagnant low-energy ions in the near cusp region observed by Cluster. <i>Science China Earth Sciences</i> , 2017 , 60, 1299-1309	4.6	
259	Comparison of the observed topside ionospheric and plasmaspheric electron content derived from the COSMIC podTEC measurements with the IRI_Plas model results. <i>Advances in Space Research</i> , 2017 , 60, 222-227	2.4	10
258	An investigation of ionospheric upper transition height variations at low and equatorial latitudes deduced from combined COSMIC and C/NOFS measurements. <i>Advances in Space Research</i> , 2017 , 60, 1617-1628	2.4	1628 ³
257	Ablation of Venusian oxygen ions by unshocked solar wind. <i>Science Bulletin</i> , 2017 , 62, 1669-1672	10.6	5
256	Plasma Sheet Pressure Variations in the Near-Earth Magnetotail During Substorm Growth Phase: THEMIS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 12,212-12,228	2.6	17
255	A planetary perspective on Earth's space environment evolution. <i>Earth and Planetary Physics</i> , 2017 , 1, 63-67	1.6	1

254	GPS network observation of traveling ionospheric disturbances following the Chelyabinsk meteorite blast. <i>Annales Geophysicae</i> , 2016 , 34, 1045-1051	2	1
253	A numerical study of the interhemispheric asymmetry of the equatorial ionization anomaly in solstice at solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9099-9110	2.6	27
252	An induced global magnetic field looping around the magnetotail of Venus. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 688-698	2.6	6
251	Equatorial ionization anomaly in the low-latitude topside ionosphere: Local time evolution and longitudinal difference. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7166-7182	2.6	18
250	The global distribution of the dusk-to-nighttime enhancement of summer NmF2 at solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 7914-7922	2.6	10
249	Alfvén wings in the lunar wake: The role of pressure gradients. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,698-10,711	2.6	14
248	Prolonged multiple excitation of large-scale Traveling Atmospheric Disturbances (TADs) by successive and interacting coronal mass ejections. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2662-2668	2.6	5
247	Investigation of ionospheric TEC over China based on GNSS data. <i>Advances in Space Research</i> , 2016 , 58, 867-877	2.4	14
246	New understanding achieved from 2 years of Chinese ionospheric investigations. <i>Science Bulletin</i> , 2016 , 61, 524-542	10.6	5
245	Exploring structural phase transitions of ion crystals. <i>Scientific Reports</i> , 2016 , 6, 21547	4.9	22
244	Mapping the conjugate and corotating storm-enhanced density during 17 March 2013 storm through data assimilation. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 12,202-12,210	2.6	11
243	Is the flow-aligned component of IMF really able to impact the magnetic field structure of Venusian magnetotail?. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 10,978-10,993	2.6	7
242	Alfvén waves as a solar-interplanetary driver of the thermospheric disturbances. <i>Scientific Reports</i> , 2016 , 6, 18895	4.9	14
241	Enhanced ionospheric plasma bubble generation in more active ITCZ. <i>Geophysical Research Letters</i> , 2016 , 43, 2389-2395	4.9	42
240	Spatial and temporal analysis of the total electron content over China during 2011-2014. <i>Advances in Space Research</i> , 2016 , 57, 2470-2478	2.4	5
239	An ionospheric assimilation model along a meridian plane. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016 , 145, 125-135	2	
238	A global picture of ionospheric slab thickness derived from GIM TEC and COSMIC radio occultation observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 867-880	2.6	14
237	Long-lasting negative ionospheric storm effects in low and middle latitudes during the recovery phase of the 17 March 2013 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 9234-9249	2.6	31

236	A modeling study of global ionospheric and thermospheric responses to extreme solar flare. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 832-840	2.6	10
235	Electric field penetration into Earth's ionosphere: a brief review for 2000-2013. <i>Science Bulletin</i> , 2015 , 60, 748-761	10.6	33
234	GPS detection of the coseismic ionospheric disturbances following the 12 May 2008 M7.9 Wenchuan earthquake in China. <i>Science China Earth Sciences</i> , 2015 , 58, 151-158	4.6	8
233	A new topside profiler based on Alouette/ISIS topside sounding. <i>Advances in Space Research</i> , 2015 , 56, 2080-2090	2.4	7
232	Climatological modeling of horizontal winds in the mesosphere and lower thermosphere over a mid-latitude station in China. <i>Advances in Space Research</i> , 2015 , 56, 1354-1365	2.4	6
231	Yearly variations of the stratospheric tides seen in the CFSR reanalysis data. <i>Advances in Space Research</i> , 2015 , 56, 1822-1832	2.4	3
230	The flapping motion of the Venusian magnetotail: Venus Express observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5593-5602	2.6	33
229	Modeling Chinese ionospheric layer parameters based on EOF analysis. <i>Space Weather</i> , 2015 , 13, 339-355	7	9
228	An empirical model of the topside plasma density around 600 km based on ROCSAT-1 and Hinotori observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4052-4063	2.6	7
227	Technique for diagnosing the flapping motion of magnetotail current sheets based on single-point magnetic field analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3462-3474	2.6	23
226	Compressibility of Mercury's dayside magnetosphere. <i>Geophysical Research Letters</i> , 2015 , 42, 10,135	4.9	26
225	Observations of a large-scale gravity wave propagating over an extremely large horizontal distance in the thermosphere. <i>Geophysical Research Letters</i> , 2015 , 42, 6560-6565	4.9	11
224	The variability of nonmigrating tides detected from TIMED/SABER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10,793-10,808	2.6	18
223	Feasibility study on the derivation of the O ⁺ -O collision frequency from ionospheric field-aligned observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 6029-6035	2.6	5
222	Mercury's three-dimensional asymmetric magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7658-7671	2.6	38
221	Dipole tilt angle effect on magnetic reconnection locations on the magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 5344-5354	2.6	16
220	NmF2 enhancement during ionospheric F2 region nighttime: A statistical analysis based on COSMIC observations during the 2007-2009 solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 10083-10095	2.6	18
219	Time delay of interplanetary magnetic field penetration into Earth's magnetotail. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3406-3414	2.6	20

218	Shear in the zonal drifts of 3 m irregularities inside spread F plumes observed over Sanya. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 8146-8154	2.6	6
217	Solar zenith angle-dependent asymmetries in Venusian bow shock location revealed by Venus Express. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 4446-4451	2.6	4
216	Seasonal variations of MLT tides revealed by a meteor radar chain based on Hough mode decomposition. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 7030-7048	2.6	15
215	Restoring defect structures in 3C-SiC/Si (001) from spherical aberration-corrected high-resolution transmission electron microscope images by means of deconvolution processing. <i>Micron</i> , 2015 , 71, 22-31 ^{2,3}	2.3	6
214	The long-duration positive storm effects in the equatorial ionosphere over Jicamarca. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1311-1324	2.6	18
213	An update global model of hmF2 from values estimated from ionosonde and COSMIC/FORMOSAT-3 radio occultation. <i>Advances in Space Research</i> , 2014 , 53, 395-402	2.4	29
212	Ionospheric response to the ultrafast Kelvin wave in the MLT region. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1369-1380	2.6	24
211	Ionospheric response to the shock and acoustic waves excited by the launch of the Shenzhou 10 spacecraft. <i>Geophysical Research Letters</i> , 2014 , 41, 3351-3358	4.9	27
210	How does ionospheric TEC vary if solar EUV irradiance continuously decreases?. <i>Earth, Planets and Space</i> , 2014 , 66,	2.9	16
209	Recent investigation on the coupling between the ionosphere and upper atmosphere. <i>Science China Earth Sciences</i> , 2014 , 57, 1995-2012	4.6	14
208	Constructive interference of large-scale gravity waves excited by interplanetary shock on 29 October 2003: CHAMP observation. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6846-6851 ^{2.6}	2.6	12
207	Modeling study of nighttime enhancements in F region electron density at low latitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6648-6656	2.6	20
206	A statistic study of ionospheric solar flare activity indicator. <i>Space Weather</i> , 2014 , 12, 29-40	3.7	18
205	Demonstration of motion transduction in a single-ion nonlinear mechanical oscillator. <i>Physical Review A</i> , 2014 , 89,	2.6	3
204	Midnight density maximum in the thermosphere from the CHAMP observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3741-3746	2.6	11
203	Geomagnetic activity effect on the global ionosphere during the 2007-2009 deep solar minimum. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 3747-3754	2.6	18
202	Deriving the effective scale height in the topside ionosphere based on ionosonde and satellite in situ observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8472-8482	2.6	7
201	IMF control of the location of Venusian bow shock: The effect of the magnitude of IMF component tangential to the bow shock surface. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9464-9475 ^{2.6}	2.6	16

200	Observational evidence of high-altitude meteor trail from radar interferometer. <i>Geophysical Research Letters</i> , 2014 , 41, 6583-6589	4.9	4
199	Comparative climatological study of large-scale traveling ionospheric disturbances over North America and China in 2011-2012. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 519-529	2.6	17
198	Discrepancy between ionopause and photoelectron boundary determined from Mars Express measurements. <i>Geophysical Research Letters</i> , 2014 , 41, 8221-8227	4.9	14
197	Morphology of magnetic field in near-Venus magnetotail: Venus express observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8838-8847	2.6	28
196	Increasing exposure of geosynchronous orbit in solar wind due to decay of Earth's dipole field. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9816-9822	2.6	4
195	An empirical model of the occurrence of an additional layer in the ionosphere from the occultation technique: Preliminary results. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,204	2.6	13
194	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014 , 52, 3759-3773	8.1	21
193	Response of the American equatorial and low-latitude ionosphere to the X1.5 solar flare on 13 September 2005. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,336	2.6	13
192	Three-dimensional lunar wake reconstructed from ARTEMIS data. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5220-5243	2.6	45
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