

J-Y Liu

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.

254
papers

6,703
citations

45
h-index

68
g-index

269
ext. papers

7,809
ext. citations

2.8
avg, IF

5.67
L-index

#	Paper	IF	Citations
254	Resident Waves in the Ionosphere Before the M6.1 Dali and M7.3 Qinghai Earthquakes of 2102 May 2021. <i>Earth and Space Science</i> , 2022 , 9, e2021EA002159	3.1	3
253	Lessons Learned from IDEASSat: Design, Testing, on Orbit Operations, and Anomaly Analysis of a First University CubeSat Intended for Ionospheric Science. <i>Aerospace</i> , 2022 , 9, 110	2.5	1
252	Individual Wave Propagations in Ionosphere and Troposphere Triggered by the Hunga Tonga-Hunga Haʻapai Underwater Volcano Eruption on 15 January 2022. <i>Remote Sensing</i> , 2022 , 14, 2179 ⁵		1
251	Advances in Ionospheric Space Weather by Using FORMOSAT-7/COSMIC-2 GNSS Radio Occultations. <i>Atmosphere</i> , 2022 , 13, 858	2.7	1
250	Implication of Tidal Forcing Effects on the Zonal Variation of Solstice Equatorial Plasma Bubbles. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028295	2.6	1
249	Wave Steepening in Ionospheric Total Electron Density due to the 21 August 2017 Total Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028931	2.6	4
248	Novel approaches of magnetic inversion using seismic tomography in Taiwan area. <i>Physics of the Earth and Planetary Interiors</i> , 2021 , 312, 106663	2.3	1
247	Magnetic Pulsations Triggered by Microseismic Ground Motion. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB021416	3.6	3
246	Detecting the Ionospheric Disturbances in Japan Using the Three-Dimensional Computerized Tomography. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028561	2.6	3
245	Large air pressure changes triggered by P-SV ground motion in a cave in northern Taiwan. <i>Scientific Reports</i> , 2021 , 11, 12850	4.9	2
244	Equatorial ionization anomaly response to lunar phase and stratospheric sudden warming. <i>Scientific Reports</i> , 2021 , 11, 14695	4.9	0
243	Extreme Positive Ionosphere Storm Triggered by a Minor Magnetic Storm in Deep Solar Minimum Revealed by FORMOSAT-7/COSMIC-2 and GNSS Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021 , 126, e2020JA028261	2.6	5
242	Innovative airglow instrument based on constant photon count control. <i>Advances in Space Research</i> , 2021 , 68, 105-116	2.4	
241	Onset Altitudes of Co-Seismic Ionospheric Disturbances Determined by Multiple Distributions of GNSS TEC After the Foreshock of the 2011 Tohoku Earthquake on March 9, 2011. <i>Earth and Space Science</i> , 2021 , 8, e2020EA001217	3.1	0
240	Locating Seismo-Conductivity Anomaly before the 2017 MW 6.5 Jiuzhaigou Earthquake in China Using Far Magnetic Stations. <i>Remote Sensing</i> , 2020 , 12, 1777	5	7
239	Unique Pre-Earthquake Deformation Patterns in the Spatial Domains from GPS in Taiwan. <i>Remote Sensing</i> , 2020 , 12, 366	5	8
238	Response of Ionospheric Equatorial Ionization Crests to Lunar Phase. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086862	4.9	4

237	The source detection of 28 September 2018 Sulawesi tsunami by using ionospheric GNSS total electron content disturbance. <i>Geoscience Letters</i> , 2020 , 7,	3.5	5
236	Spatiotemporal changes of seismicity rate during earthquakes. <i>Natural Hazards and Earth System Sciences</i> , 2020 , 20, 3333-3341	3.9	4
235	Sentinel-1 interferometry with ionospheric correction from global and local TEC maps for land displacement detection in Taiwan. <i>Advances in Space Research</i> , 2020 , 65, 1447-1465	2.4	2
234	New algorithms to estimate electron temperature and electron density with contaminated DC Langmuir probe onboard CubeSat. <i>Advances in Space Research</i> , 2020 , 66, 148-161	2.4	2
233	The Early Results and Validation of FORMOSAT-7/COSMIC-2 Space Weather Products: Global Ionospheric Specification and Ne-Aided Abel Electron Density Profile. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028028	2.6	18
232	Plasma Depletion Bays in the Equatorial Ionosphere Observed by FORMOSAT-3/COSMIC During 2007-2014. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027501	2.6	1
231	IDEASSat: A 3U CubeSat mission for ionospheric science. <i>Advances in Space Research</i> , 2020 , 66, 116-134	2.4	5
230	Determination of Epicenters before Earthquakes Utilizing Far Seismic and GNSS Data: Insights from Ground Vibrations. <i>Remote Sensing</i> , 2020 , 12, 3252	5	6
229	Lunar Tide Effects on Ionospheric Solar Eclipse Signatures: The August 21, 2017 Event as an Example. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2020JA028472	2.6	5
228	Assessment of Space-time Hazard of Large Aftershocks of the 2008 Mw7.9 Wenchuan Earthquake. <i>Pure and Applied Geophysics</i> , 2020 , 177, 27-36	2.2	1
227	An algorithm for deriving the electron temperature and electron density probed by Langmuir probe onboard cube satellites. <i>Advances in Space Research</i> , 2020 , 66, 135-147	2.4	2
226	Superposition Property of the Ionospheric Scintillation S4 Index. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2020 , 17, 597-600	4.1	4
225	Fluctuations on vertical profiles of the ionospheric electron density perturbed by the March 11, 2011 M9.0 Tohoku earthquake and tsunami. <i>GPS Solutions</i> , 2019 , 23, 1	4.4	16
224	Revisiting the Modulations of Ionospheric Solar and Lunar Migrating Tides During the 2009 Stratospheric Sudden Warming by Using Global Ionosphere Specification. <i>Space Weather</i> , 2019 , 17, 767-777	4.7	15
223	Tropospheric and Ionospheric Anomalies Induced by Volcanic and Saharan Dust Events as Part of Geosphere Interaction Phenomena. <i>Geosciences (Switzerland)</i> , 2019 , 9, 177	2.7	4
222	Ionospheric Response to the 21 May 2012 Annular Solar Eclipse Over Taiwan. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 3623-3636	2.6	6
221	Critical Issues in Ionospheric Data Quality and Implications for Scientific Studies. <i>Radio Science</i> , 2019 , 54, 440-454	1.4	8
220	Co-seismic geomagnetic fluctuations and atmospheric disturbances during the 2018 M 6.2 Hualien Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019 , 30, 449-465	1.8	3

219	Global Distribution of Persistence of Total Electron Content Anomaly. <i>Atmosphere</i> , 2019 , 10, 297	2.7	2
218	Ionospheric GNSS Total Electron Content for Tsunami Warning. <i>Journal of Earthquake and Tsunami</i> , 2019 , 13, 1941007	1.1	5
217	Precursor effect of March 11, 2011 off the coast of Tohoku earthquake on high and low latitude ionospheres and its possible disturbing mechanism. <i>Advances in Space Research</i> , 2019 , 63, 2623-2637	2.4	5
216	Gigantic Circular Shock Acoustic Waves in the Ionosphere Triggered by the Launch of FORMOSAT-5 Satellite. <i>Space Weather</i> , 2018 , 16, 172-184	3.7	12
215	Ionospheric Bow Wave Induced by the Moon Shadow Ship Over the Continent of United States on 21 August 2017. <i>Geophysical Research Letters</i> , 2018 , 45, 538-544	4.9	26
214	On the Relationship Between E Region Scintillation and ENSO Observed by FORMOSAT-3/COSMIC. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4053-4065	2.6	13
213	Development and verification of an innovative photomultiplier calibration system with a 10-fold increase in photometer resolution. <i>Advances in Space Research</i> , 2018 , 61, 2673-2679	2.4	1
212	Understanding Magnetic Cloud Structure From Shock/Discontinuity Analysis. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 6130-6147	2.6	1
211	Ionospheric density and velocity anomalies before M 6.5 earthquakes observed by DEMETER satellite. <i>Journal of Asian Earth Sciences</i> , 2018 , 166, 210-222	2.8	7
210	Application of Total Electron Content Derived from the Global Navigation Satellite System for Detecting Earthquake Precursors. <i>Geophysical Monograph Series</i> , 2018 , 305-317	1.1	2
209	Multiparameter Assessment of Pre-Earthquake Atmospheric Signals. <i>Geophysical Monograph Series</i> , 2018 , 339-359	1.1	9
208	Multidisciplinary Earthquake Precursor Studies in Taiwan. <i>Geophysical Monograph Series</i> , 2018 , 41-65	1.1	3
207	The Midlatitude Trough and the Plasmapause in the Nighttime Ionosphere Simultaneously Observed by DEMETER During 2006-2009. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 5917-5932	2.6	10
206	Infrasound in the ionosphere from earthquakes and typhoons. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2018 , 171, 72-82	2	23
205	Impact of Assimilating the FORMOSAT-3/COSMIC and FORMOSAT-7/COSMIC-2 RO Data on the Midlatitude and Low-Latitude Ionospheric Specification. <i>Earth and Space Science</i> , 2018 , 5, 875-890	3.1	11
204	Continuous Doppler sounding of the ionosphere during solar flares. <i>Earth, Planets and Space</i> , 2018 , 70,	2.9	4
203	Stratosphere Perturbed by the 2011 Mw9.0 Tohoku Earthquake. <i>Geophysical Research Letters</i> , 2018 , 45, 10,050-10,056	4.9	8
202	Assessment of the Impact of FORMOSAT-7/COSMIC-2 GNSS RO Observations on Midlatitude and Low-Latitude Ionosphere Specification: Observing System Simulation Experiments Using Ensemble Square Root Filter. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 2296-2314	2.6	24

201	Concentric traveling ionosphere disturbances triggered by Super Typhoon Meranti (2016). <i>Geophysical Research Letters</i> , 2017 , 44, 1219-1226	4.9	55
200	Global ionosphere map constructed by using total electron content from ground-based GNSS receiver and FORMOSAT-3/COSMIC GPS occultation experiment. <i>GPS Solutions</i> , 2017 , 21, 1583-1591	4.4	12
199	Medium-scale traveling ionospheric disturbances over Taiwan observed with HF Doppler sounding. <i>Earth, Planets and Space</i> , 2017 , 69,	2.9	6
198	Data Assimilation of Ground-Based GPS and Radio Occultation Total Electron Content for Global Ionospheric Specification. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 10,876-10,886	2.6	16
197	Artificial magnetic disturbance from the mass rapid transit system in Taiwan. <i>Terra Nova</i> , 2017 , 29, 306-311	3.1	3
196	A Study of Daytime L-Band Scintillation in Association With Sporadic E Along the Magnetic Dip Equator. <i>Radio Science</i> , 2017 , 52, 1570-1577	1.4	10
195	An empirical model of L-band scintillation S4 index constructed by using FORMOSAT-3/COSMIC data. <i>Advances in Space Research</i> , 2017 , 60, 1015-1028	2.4	14
194	An observing system simulation experiment for FORMOSAT-5/AIP detecting seismo-ionospheric precursors. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017 , 28, 117-127	1.8	8
193	An observing system simulation experiment for FORMOSAT-5/AIP probing topside ionospheric plasma irregularities by using DEMETER/IAP. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017 , 28, 111-116	1.8	3
192	Advanced Ionospheric Probe scientific mission onboard FORMOSAT-5 satellite. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017 , 28, 99-110	1.8	8
191	The impact of FORMOSAT-5/AIP observations on the ionospheric space weather. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017 , 28, 129-137	1.8	2
190	Co-seismic signatures in magnetometer, geophone, and infrasound data during the Meinong Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2017 , 28, 683-692	1.8	4
189	Precursory enhancement of EIA in the morning sector: Contribution from mid-latitude large earthquakes in the north-east Asian region. <i>Advances in Space Research</i> , 2016 , 57, 268-280	2.4	11
188	Morphology of midlatitude electron density enhancement using total electron content measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 1503-1517	2.6	11
187	Ionospheric data assimilation with thermosphere-ionosphere-electrodynamics general circulation model and GPS-TEC during geomagnetic storm conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5708-5722	2.6	29
186	Space-based imaging of nighttime medium-scale traveling ionospheric disturbances using FORMOSAT-2/ISUAL 630.0 nm airglow observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 4769-4781	2.6	10
185	The fast development of solar terrestrial sciences in Taiwan. <i>Geoscience Letters</i> , 2016 , 3,	3.5	3
184	The vertical propagation of disturbances triggered by seismic waves of the 11 March 2011 M9.0 Tohoku earthquake over Taiwan. <i>Geophysical Research Letters</i> , 2016 , 43, 1759-1765	4.9	40

183	Worst-Case GPS Scintillations on the Ground Estimated from Radio Occultation Observations of FORMOSAT-3/COSMIC During 2007-2014. <i>Surveys in Geophysics</i> , 2016 , 37, 791-809	7.6	16
182	Integrated Search for Taiwan Earthquake Precursors (iSTEP). <i>IEEJ Transactions on Fundamentals and Materials</i> , 2016 , 136, 214-220	0.2	7
181	A possible space-based tsunami early warning system using observations of the tsunami ionospheric hole. <i>Scientific Reports</i> , 2016 , 6, 37989	4.9	20
180	Modifications of the ionosphere prior to large earthquakes: report from the Ionosphere Precursor Study Group. <i>Geoscience Letters</i> , 2016 , 3,	3.5	18
179	Ionospheric F2 region perturbed by the 25 April 2015 Nepal earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 5778-5784	2.6	27
178	Topside ionospheric electron temperature and density along the Weddell Sea latitude. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 609-614	2.6	11
177	Statistical evidences of seismo-ionospheric precursors applying receiver operating characteristic (ROC) curve on the GPS total electron content in China. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 393-402	2.8	8
176	Groundwater strain coupling before the 1999 M w 7.6 Taiwan Chi-Chi earthquake. <i>Journal of Hydrology</i> , 2015 , 524, 378-384	6	31
175	Structure and origins of the Weddell Sea Anomaly from tidal and planetary wave signatures in FORMOSAT-3/COSMIC observations and GAIA GCM simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 1325-1340	2.6	21
174	Field-aligned neutral wind bias correction scheme for global ionospheric modeling at midlatitudes by assimilating FORMOSAT-3/COSMIC hmF2 data under geomagnetically quiet conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 3130-3149	2.6	17
173	Multiple seismo-anomalies associated with the M6.1 Ludian earthquake on August 3, 2014. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 352-361	2.8	7
172	Statistical analysis of earthquakes after the 1999 MW 7.7 Chi-Chi, Taiwan, earthquake based on a modified ReasenberglJones model. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 299-304	2.8	3
171	A Statistical Study of Lightning Activities and M 5.0 Earthquakes in Taiwan During 1993-2004. <i>Surveys in Geophysics</i> , 2015 , 36, 851-859	7.6	13
170	On a possible seismomagnetic effect in the topside ionosphere. <i>Advances in Space Research</i> , 2015 , 56, 1707-1713	2.4	14
169	Potential relationships between seismo-deformation and seismo-conductivity anomalies. <i>Journal of Asian Earth Sciences</i> , 2015 , 114, 327-337	2.8	8
168	Does an ionospheric hole appear after an inland earthquake?. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 9998-10005	2.6	6
167	Three-dimensional electron density along the WSA and MSNA latitudes probed by FORMOSAT-3/COSMIC. <i>Earth, Planets and Space</i> , 2015 , 67,	2.9	12
166	Ionospheric assimilation of radio occultation and ground-based GPS data using non-stationary background model error covariance. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 171-182	4	31

165	Electron density profiles probed by radio occultation of FORMOSAT-7/COSMIC-2 at 520 and 800 km altitude. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 3069-3074	4	2
164	Instantaneous phase shift of annual subsurface temperature cycles derived by the Hilbert-Huang transform. <i>Journal of Geophysical Research D: Atmospheres</i> , 2015 , 120, 1670-1677	4.4	6
163	Intensity of low-latitude nighttime F-region ionospheric density irregularities observed by ROCSAT and ground-based GPS receivers in solar maximum. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015 , 123, 92-101	2	9
162	Low-latitude midnight brightness in 630.0 nm limb observations by FORMOSAT-2/ISUAL. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4894-4904	2.6	4
161	Statistical analysis of ULF seismomagnetic phenomena at Kakioka, Japan, during 2001-2010. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 4998-5011	2.6	64
160	Reply to comment by F. Masci and J. N. Thomas on Temporal and spatial precursors in ionospheric total electron content of the 16 October 1999 Mw7.1 Hector Mine earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 6998-7004	2.6	3
159	Effects of inferring unobserved thermospheric and ionospheric state variables by using an Ensemble Kalman Filter on global ionospheric specification and forecasting. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 9256-9267	2.6	30
158	Explanation of the sporadic-E layer formation by comparing FORMOSAT-3/COSMIC data with meteor and wind shear information. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014 , 119, 4568-4579	4.4	28
157	Space Weather Observations by GNSS Radio Occultation: From FORMOSAT-3/COSMIC to FORMOSAT-7/COSMIC-2. <i>Space Weather</i> , 2014 , 12, 616-621	3.7	56
156	Occurrence probability and amplitude of equatorial ionospheric irregularities associated with plasma bubbles during low and moderate solar activities (2008-2012). <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 1186-1199	2.6	60
155	Ionospheric shock waves triggered by rockets. <i>Annales Geophysicae</i> , 2014 , 32, 1145-1152	2	18
154	Theoretical study of the ionospheric plasma cave in the equatorial ionization anomaly region. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 10,324	2.6	2
153	Abnormal Signatures Recorded by FORMOSAT-2 and FORMOSAT-3 over South Atlantic Anomaly and Polar Region. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014 , 25, 573	1.8	2
152	Surface displacements in Japan before the 11 March 2011 M9.0 Tohoku-Oki earthquake. <i>Journal of Asian Earth Sciences</i> , 2014 , 80, 165-171	2.8	22
151	Seismo-ionospheric anomalies in total electron content of the GIM and electron density of DEMETER before the 27 February 2010 M8.8 Chile earthquake. <i>Advances in Space Research</i> , 2013 , 51, 2309-2315	2.4	31
150	Temporal and spatial precursors in ionospheric total electron content of the 16 October 1999 Mw7.1 Hector Mine earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6511-6517	2.6	16
149	Observation of surface displacements from GPS analyses before and after the Jiashian earthquake (M=6.4) in Taiwan. <i>Journal of Asian Earth Sciences</i> , 2013 , 62, 662-671	2.8	19
148	Thermospheric tidal effects on the ionospheric midlatitude summer nighttime anomaly using SAMI3 and TIEGCM. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3836-3845	2.6	26

147	Seasonal and local time variation of ionospheric migrating tides in 2007–2011 FORMOSAT-3/COSMIC and TIE-GCM total electron content. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2545-2564	2.6	33
146	A statistical study on the characteristics of ionospheric storms in the equatorial ionization anomaly region: GPS-TEC observed over Taiwan. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3856-3865	2.6	17
145	Ground-based GPS observation of SED-associated irregularities over CONUS. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2478-2489	2.6	13
144	Physical mechanisms of the ionospheric storms at equatorial and higher latitudes during the recovery phase of geomagnetic storms. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 2660-2669	2.6	54
143	Stationary planetary wave and nonmigrating tidal signatures in ionospheric wave 3 and wave 4 variations in 2007–2011 FORMOSAT-3/COSMIC observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6651-6665	2.6	47
142	Ionospheric ripples excited by superimposed wave fronts associated with Rayleigh waves in the thermosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 905-911	2.6	17
141	A statistical study on ELF-whistlers/emissions and M _{3.0} earthquakes in Taiwan. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3760-3768	2.6	9
140	Modeling impact of FORMOSAT-7/COSMIC-2 mission on ionospheric space weather monitoring. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 6518-6523	2.6	19
139	A Statistical Comparison of Zonal Mean and Tidal Signatures in FORMOSAT-3/COSMIC and Ground-Based GPS TECs. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2013 , 24, 253	1.8	1
138	An error analysis on nature and radar system noises in deriving the phase and group velocities of vertical propagation waves. <i>Earth, Planets and Space</i> , 2013 , 65, 911-916	2.9	
137	Temporal and spatial analyses on seismo-electric anomalies associated with the 27 February 2010 <i><i>M</i></i> = 8.8 Chile earthquake observed by DEMETER satellite. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 3281-3289	3.9	14
136	Anomalous frequency characteristics of groundwater level before major earthquakes in Taiwan. <i>Hydrology and Earth System Sciences</i> , 2013 , 17, 1693-1703	5.5	28
135	Evaluation of seismo-electric anomalies using magnetic data in Taiwan. <i>Natural Hazards and Earth System Sciences</i> , 2013 , 13, 597-604	3.9	21
134	Observational evidence of ionospheric migrating tide modification during the 2009 stratospheric sudden warming. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	45
133	Modeling the pre-earthquake electrostatic effect on the F region ionosphere. <i>Advances in Space Research</i> , 2012 , 50, 1524-1533	2.4	18
132	Assimilation of FORMOSAT-3/COSMIC electron density profiles into a coupled thermosphere/ionosphere model using ensemble Kalman filtering. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		58
131	Ionospheric plasma caves under the equatorial ionization anomaly. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		5
130	Modeling and observations of the low latitude ionosphere-plasmasphere system at long deep solar minimum. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		22

129	Global 3-D ionospheric electron density reanalysis based on multisource data assimilation. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		63
128	Global S4 index variations observed using FORMOSAT-3/COSMIC GPS RO technique during a solar minimum year. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		44
127	Ionospheric and thermospheric storms at equatorial latitudes observed by CHAMP, ROCSAT, and DMSP. <i>Journal of Geophysical Research</i> , 2012 , 117,		25
126	Long-term variations of the nighttime electron density enhancement during the ionospheric midlatitude summer. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		18
125	A statistical study of low latitude F region irregularities at Brazilian longitudinal sector response to geomagnetic storms during post-sunset hours in solar cycle 23. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		17
124	Magnetic storm free ULF analysis in relation with earthquakes in Taiwan. <i>Natural Hazards and Earth System Sciences</i> , 2012 , 12, 1747-1754	3.9	21
123	Tsunamigenic ionospheric hole. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	55
122	Observations of global ionospheric responses to the 2009 stratospheric sudden warming event by FORMOSAT-3/COSMIC. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		28
121	Seismo-Tsunamigenic Ionospheric Hole Triggered by M 9.0 2011 off the Pacific Coast of Tohoku Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2012 , 23, 327	1.8	7
120	Seismo-Traveling Ionospheric Disturbances Triggered by the 12 May 2008 M 8.0 Wenchuan Earthquake. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2012 , 23, 9	1.8	14
119	A comparison of the equatorial spread F derived by the International Reference Ionosphere and the S 4 index observed by FORMOSAT-3/COSMIC during the solar minimum period of 2007-2009. <i>Earth, Planets and Space</i> , 2012 , 64, 467-471	2.9	21
118	A comparison of a model using the FORMOSAT-3/COSMIC data with the IRI model. <i>Earth, Planets and Space</i> , 2012 , 64, 545-551	2.9	12
117	Using the IRI, the MAGIC model, and the co-located ground-based GPS receivers to study ionospheric solar eclipse and storm signatures on July 22, 2009. <i>Earth, Planets and Space</i> , 2012 , 64, 513-520	2.9	8
116	Daytime longitudinal structures of electron density and temperature in the topside ionosphere observed by the Hinotori and DEMETER satellites. <i>Journal of Geophysical Research</i> , 2011 , 116,		28
115	Ionospheric electron content and NmF2 from nighttime OI 135.6 nm intensity. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		10
114	A statistical analysis of ionospheric anomalies before 736 M6.0+ earthquakes during 2002-2010. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		89
113	Latitudinal distribution of anomalous ion density as a precursor of a large earthquake. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		28
112	The O I 135.6 nm airglow observations of the midlatitude summer nighttime anomaly by TIMED/GUVI. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		13

111	New aspects of thermospheric and ionospheric storms revealed by CHAMP. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		40
110	Bow and stern waves triggered by the Moon's shadow boat. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a		30
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