David Altadill

List of Publications by Year
in descending order

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83	2,806	279487	182168
papers	citations	23 h-index	51 g-index

91	91	91	1863
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Service of rapid magnetic variations, an update. Geoscience Data Journal, 2023, 10, 99-113.	1.8	2
2	Detection of Solar Flares from the Analysis of Signal-to-Noise Ratio Recorded by Digisonde at Mid-Latitudes. Remote Sensing, 2022, 14, 1898.	1.8	2
3	Ionospheric Tilt Measurements: Application to Traveling Ionospheric Disturbances Climatology Study. Radio Science, 2020, 55, e2019RS007012.	0.8	6
4	Variation of Ionospheric Narrowband and Wideband Performance for a 12,760 km Transequatorial Link and Its Dependence on Solar and Ionospheric Activity. Remote Sensing, 2020, 12, 2750.	1.8	2
5	A method for real-time identification and tracking of traveling ionospheric disturbances using ionosonde data: first results. Journal of Space Weather and Space Climate, 2020, 10, 2.	1.1	19
6	An overview of methodologies for real-time detection, characterisation and tracking of traveling ionospheric disturbances developed in the TechTIDE project. Journal of Space Weather and Space Climate, 2020, 10, 42.	1.1	21
7	TechTIDE: Warning and Mitigation Technologies for Travelling Ionospheric Disturbances Effects. , 2019, , .		1
8	Pilot Ionosonde Network for Identification of Traveling Ionospheric Disturbances. Radio Science, 2018, 53, 365-378.	0.8	41
9	Oblique Ionograms Automatic Scaling Algorithm OIASA application to the ionograms recorded by Ebro observatory ionosonde. Journal of Space Weather and Space Climate, 2018, 8, A10.	1.1	4
10	Correction Notice to: Feasibility of precise navigation in high and low latitude regions under scintillation conditions. Journal of Space Weather and Space Climate, 2018, 8, A21.	1.1	1
11	Improved characterization and modeling of equatorial plasma depletions. Journal of Space Weather and Space Climate, 2018, 8, A38.	1.1	18
12	Analysis of the Solar Flare Effects of 6 September 2017 in the Ionosphere and in the Earth's Magnetic Field Using Spherical Elementary Current Systems. Space Weather, 2018, 16, 1709-1720.	1.3	29
13	Improving Signal-to-Noise Ratio in Oblique Ionosonde Soundings Using New Hardware Capability of the DPS4D Ionosonde. , 2018, , .		1
14	Feasibility of precise navigation in high and low latitude regions under scintillation conditions. Journal of Space Weather and Space Climate, 2018, 8, A05.	1.1	29
15	Climatology characterization of equatorial plasma bubbles using GPS data. Journal of Space Weather and Space Climate, 2017, 7, A3.	1.1	25
16	International Reference Ionosphere 2016: From ionospheric climate to realâ€time weather predictions. Space Weather, 2017, 15, 418-429.	1.3	751
17	Vertical and oblique ionospheric soundings performance comparison over the 12,760Âkm transequatorial HF link between Antarctica and Spain. Radio Science, 2017, 52, 498-510.	0.8	0
18	Vertical and oblique HF sounding with a network of synchronised ionosondes. Advances in Space Research, 2017, 60, 1644-1656.	1.2	35

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19	Improved modelling of ionospheric disturbances for remote sensing and navigation. , 2017, , .		7
20	Physical Layer Definition for a Long-Haul HF Antarctica to Spain Radio Link. Remote Sensing, 2016, 8, 380.	1.8	16
21	â€œSWINGâ€: A European project for a new application of an ionospheric network. Radio Science, 2016, 51, 421-428.	0.8	4
22	Vertical and oblique ionospheric soundings over the long haul HF link between Antarctica and Spain. Radio Science, 2015, 50, 916-930.	0.8	11
23	Long-term comparison of the ionospheric F2 layer electron density peak derived from ionosonde data and Formosat-3/COSMIC occultations. Journal of Space Weather and Space Climate, 2015, 5, A21.	1.1	19
24	Narrowband and Wideband Channel Sounding of an Antarctica to Spain Ionospheric Radio Link. Remote Sensing, 2015, 7, 11712-11730.	1.8	20
25	A comparison of the LPIM-COSMIC F2 peak parameters determinations against the IRI(CCIR). Advances in Space Research, 2015, 55, 2012-2019.	1.2	2
26	Remote Geophysical Observatory in Antarctica with HF Data Transmission: A Review. Remote Sensing, 2014, 6, 7233-7259.	1.8	21
27	The International Reference Ionosphere 2012 â€“ a model of international collaboration. Journal of Space Weather and Space Climate, 2014, 4, A07.	1.1	503
28	Space weather effects on Earth's environment associated to the 24â€“25 October 2011 geomagnetic storm. Space Weather, 2013, 11, 153-168.	1.3	27
29	Global empirical models of the density peak height and of the equivalent scale height for quiet conditions. Advances in Space Research, 2013, 52, 1756-1769.	1.2	77
30	Behavior of the equivalent slab thickness over three European stations. Advances in Space Research, 2013, 51, 677-682.	1.2	8
31	Solar activity impact on the Earthâ€™s upper atmosphere. Journal of Space Weather and Space Climate, 2013, 3, A06.	1.1	72
32	An analysis of the scale height at the F 2-layer peak over three middle-latitude stations in the European sector. Earth, Planets and Space, 2012, 64, 493-503.	0.9	7
33	Plasmaspheric Electron Content contribution inferred from ground and radio occultation derived Total Electron Content. , 2012, , .		1
34	Midlatitude F region peak height changes in response to interplanetary magnetic field conditions and modeling results. Journal of Geophysical Research, 2012, 117, .	3.3	13
35	Ionospheric peak height behavior for low, middle and high latitudes: A potential empirical model for quiet conditionsâ€”Comparison with the IRI-2007 model. Journal of Atmospheric and Solar-Terrestrial Physics, 2011, 73, 1810-1817.	0.6	25
36	Remote Sensing and Skywave Digital Communication from Antarctica. Sensors, 2009, 9, 10136-10157.	2.1	11

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37	The contribution to IHY from the COST296 Action MIERS: Mitigation of Ionospheric Effects on Radio Systems. Earth, Moon and Planets, 2009, 104, 63-67.	0.3	0
38	An inspection of the long-term behaviour of the range of the daily geomagnetic field variation from comprehensive modelling. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 1497-1510.	0.6	12
39	Proposal of new models of the bottom-side B0 and B1 parameters for IRI. Advances in Space Research, 2009, 43, 1825-1834.	1.2	52
40	Experimental evidence for the role of the neutral wind in the development of ionospheric storms in midlatitudes. Journal of Geophysical Research, 2009, 114, .	3.3	18
41	Vertical and oblique ionospheric soundings over a very long multihop HF radio link from polar to midlatitudes: Results and relationships. Radio Science, 2009, 44, .	0.8	17
42	Climate of the upper atmosphere. Annals of Geophysics, 2009, 52, .	0.5	4
43	Planetary and gravity wave signatures in the F-region ionosphere with impacton radio propagation predictionsand variability. Annals of Geophysics, 2009, 47, .	0.5	6
44	Ionospheric behavior over Europe during the solar eclipse of 3 October 2005. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 836-853.	0.6	117
45	Solar activity variations of ionosonde measurements and modeling results. Advances in Space Research, 2008, 42, 610-616.	1.2	15
46	Precise Radar Range Measurements with Digisondes. AIP Conference Proceedings, 2008, , .	0.3	11
47	From COST 271 to 296 EU actions on ionospheric monitoring and modelling for terrestrial and Earthâ€“space radio systems. Advances in Space Research, 2007, 39, 899-903.	1.2	3
48	The Ebre observatory â€“ Its path to ionospheric research. Advances in Space Research, 2007, 39, 941-946.	1.2	3
49	Comparisons of IRI TEC predictions with GPS and digisonde measurements at Ebro. Advances in Space Research, 2007, 39, 841-847.	1.2	69
50	Improvement of IRI B0, B1 and D1 at mid-latitude using MARP. Advances in Space Research, 2007, 39, 701-710.	1.2	30
51	Behavior of the scale height at the F2 layer peak derived from Digisonde measurements at two European stations. Advances in Space Research, 2007, 39, 755-758.	1.2	5
52	Upper ionosphere variability over Alma-Ata and Observatorio Del Ebro using the Î”foF2 data obtained during the winter/spring period of 2003â€“2004. Journal of Atmospheric and Solar-Terrestrial Physics, 2007, 69, 2452-2464.	0.6	4
53	Comparison of true-height electron density profiles derived by POLAN and NHPC methods. Studia Geophysica Et Geodaetica, 2007, 51, 449-459.	0.3	10
54	Time/altitude electron density variability above Ebro, Spain. Advances in Space Research, 2007, 39, 962-969.	1.2	15

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55	F-region vertical drift measurements at Ebro, Spain. Advances in Space Research, 2007, 39, 691-698.	1.2	8
56	An Antarctica to Spain HF link: oblique sounding results. , 2006, , .		2
57	Detection of the wave-like structures in the F-region electron density: Two station measurements. Studia Geophysica Et Geodaetica, 2006, 50, 131-146.	0.3	24
58	Validation of GPS Ionospheric Radio Occultation results onboard CHAMP by Vertical Sounding Observations in Europe. , 2005, , 447-452.		7
59	November 2003 event: effects on the Earth's ionosphere observed from ground-based ionosonde and GPS data. Annales Geophysicae, 2005, 23, 3027-3034.	0.6	19
60	The 22-year cycle in the geomagnetic 27-day recurrences reflecting on the F2-layer ionization. Annales Geophysicae, 2004, 22, 1171-1176.	0.6	17
61	Predicted and measured bottomside F-region electron density and variability of the D1 parameter under quiet and disturbed conditions over Europe. Advances in Space Research, 2004, 34, 1973-1981.	1.2	7
62	Diurnal Variation of Gravity Wave Activity at Midlatitudes in the Ionospheric F Region. Studia Geophysica Et Geodaetica, 2003, 47, 579-586.	0.3	24
63	Time and scale size of planetary wave signatures in the ionosphericFregion: Role of the geomagnetic activity and mesosphere/lower thermosphere winds. Journal of Geophysical Research, 2003, 108, .	3.3	69
64	Six-day westward propagating wave in the maximum electron density of the ionosphere. Annales Geophysicae, 2003, 21, 1577-1588.	0.6	22
65	Daytime electron density at the F1-region in Europe during geomagnetic storms. Annales Geophysicae, 2002, 20, 1007-1021.	0.6	28
66	Electric conductivity and electric field in the stratosphere: Middle-latitude balloon flight results. Journal of Geophysical Research, 2001, 106, 21337-21342.	3.3	2
67	Vertical structure of a gravity wave like oscillation in the ionosphere generated by the solar eclipse of August 11, 1999. Journal of Geophysical Research, 2001, 106, 21419-21428.	3.3	84
68	Instantaneous mapping of ionospheric characteristics using 5-minute measurements for the day of the total solar eclipse of 11 August 1999. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 335-339.	0.2	4
69	Origin and development of vertical propagating oscillations with periods of planetary waves in the ionospheric F region. Physics and Chemistry of the Earth, Part C: Solar, Terrestrial and Planetary Science, 2001, 26, 387-393.	0.2	12
70	Disturbances of the western European ionosphere during the total solar eclipse of 11 August 1999 measured by a wide ionosonde and radar network. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 915-924.	0.6	60
71	Vertical propagating signatures of wave-type oscillations (2- and 6.5-days) in the ionosphere obtained from electron-density profiles. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 823-834.	0.6	40
72	The 11.08.1999 solar eclipse and the ionosphere: a search for the distant bow-wave. Journal of Atmospheric and Solar-Terrestrial Physics, 2001, 63, 925-930.	0.6	10

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73	Planetary wave type oscillations in the ionospheric F region. Advances in Space Research, 2000, 26, 1287-1296.	1.2	16
74	Planetary wave type oscillations in the ionospheric F region. Advances in Space Research, 1999, 24, 1583-1590.	1.2	1
75	Ionospheric measurements during the CRISTA/MAHRSI campaign: their implications and comparison with previous campaigns. Annales Geophysicae, 1999, 17, 1040-1052.	0.6	0
76	First observation of quasi-2-day oscillations in ionospheric plasma frequency at fixed heights. Annales Geophysicae, 1998, 16, 609-617.	0.6	17
77	Vertical development of the 2-day wave in the midlatitude ionosphericFregion. Journal of Geophysical Research, 1998, 103, 29199-29206.	3.3	17
78	Spectral energy contributions of quasi-periodic oscillations (2â€“35 days) to the variability of the. Annales Geophysicae, 1998, 16, 168.	0.6	7
79	Some seasonal hemispheric similarities in Æ'oF2quasi-2-day oscillations. Journal of Geophysical Research, 1997, 102, 9737-9739.	3.3	15
80	On the 18-day quasi-periodic oscillation in the ionosphere. Annales Geophysicae, 1996, 14, 716-724.	0.6	11
81	Persistence of Quasi-2-Day Oscillations in the Geomagnetic Activity Indices (an, as, am).. Journal of Geomagnetism and Geoelectricity, 1996, 48, 1233-1239.	0.8	1
82	Characteristics of quasi-2-day oscillations in the Æ'oF2at northern middle latitudes. Journal of Geophysical Research, 1995, 100, 12163.	3.3	53
83	Evaluation of the Ionospheric F2 Characteristics Inferred from Radio Occultations Exploiting the Availability of FORMOSAT-3/COSMIC Data Over Half a Solar Cycle. , 0, , .		0