

Jorge Chau

List of Publications by Year in descending order

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Version: 2024-02-01

208
papers

6,233
citations

100601

38
h-index

107981

68
g-index

234
all docs

234
docs citations

234
times ranked

2356
citing authors

#	ARTICLE	IF	CITATIONS
1	Long-term studies of mesosphere and lower-thermosphere summer length definitions based on mean zonal wind features observed for more than one solar cycle at middle and high latitudes in the Northern Hemisphere. <i>Annales Geophysicae</i> , 2022, 40, 23-35.	0.6	7
2	Comparison of MLT Momentum Fluxes Over the Andes at Four Different Latitudinal Sectors Using Multistatic Radar Configurations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	8
3	Editorial: Coupling Processes in Terrestrial and Planetary Atmospheres. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	0
4	Validation of Multistatic Meteor Radar Analysis Using Modeled Mesospheric Dynamics: An Assessment of the Reliability of Gradients and Vertical Velocities. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	1
5	A case study of a ducted gravity wave event over northern Germany using simultaneous airglow imaging and wind-field observations. <i>Annales Geophysicae</i> , 2022, 40, 179-190.	0.6	4
6	Frequency spectra of horizontal winds in the mesosphere and lower thermosphere region from multistatic specular meteor radar observations during the SIMONE 2018 campaign. <i>Earth, Planets and Space</i> , 2022, 74, .	0.9	4
7	Multiple E-Region Radar Propagation Modes Measured by the VHF SIMONE Norway System During Active Ionospheric Conditions. <i>Frontiers in Astronomy and Space Sciences</i> , 2022, 9, .	1.1	5
8	On the Role of E&F Region Coupling in the Generation of Nighttime MSTIDs During Summer and Equinox: Case Studies Over Northern Germany. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, .	0.8	3
9	Characteristics of Frequency&Power Spectra in the Troposphere and Lower Stratosphere Over And&ya (Norway) Revealed by MAARSY. <i>Journal of Geophysical Research D: Atmospheres</i> , 2022, 127, .	1.2	2
10	Migrating solar diurnal tidal variability during Northern and Southern Hemisphere Sudden Stratospheric Warmings. <i>Earth, Planets and Space</i> , 2022, 74, .	0.9	4
11	Multistatic Specular Meteor Radar Network in Peru: System Description and Initial Results. <i>Earth and Space Science</i> , 2021, 8, e2020EA001293.	1.1	25
12	Migrating Semidiurnal Tide During the September Equinox Transition in the Northern Hemisphere. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033822.	1.2	13
13	Radar imaging with EISCAT 3D. <i>Annales Geophysicae</i> , 2021, 39, 119-134.	0.6	8
14	First Studies of Mesosphere and Lower Thermosphere Dynamics Using a Multistatic Specular Meteor Radar Network Over Southern Patagonia. <i>Earth and Space Science</i> , 2021, 8, e2020EA001356.	1.1	13
15	Determination of the Azimuthal Extent of Coherent E&F Region Scatter Using the ICEBEAR Linear Receiver Array. <i>Radio Science</i> , 2021, 56, e2020RS007191.	0.8	5
16	Validation of ICON&MIGHTI Thermospheric Wind Observations: 2. Green&Line Comparisons to Specular Meteor Radars. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028947.	0.8	45
17	SOUTHTRAC-GW: An Airborne Field Campaign to Explore Gravity Wave Dynamics at the World&TM's Strongest Hotspot. <i>Bulletin of the American Meteorological Society</i> , 2021, 102, E871-E893.	1.7	36
18	Two decades of long-term observations of polar mesospheric echoes at 69&N. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 216, 105576.	0.6	12

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19	Connecting large-scale velocity and temperature bursts with small-scale intermittency in stratified turbulence. <i>Europhysics Letters</i> , 2021, 135, 14001.	0.7	6
20	Sounding rocket project "PMWE" for investigation of polar mesosphere winter echoes. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 218, 105596.	0.6	8
21	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> , 2021, 48, e2021GL093466.	1.5	13
22	Spring-Fall Asymmetry in VLF Amplitudes Recorded in the North Atlantic Region: The Fall Effect. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094581.	1.5	3
23	Radar Observation of Extreme Vertical Drafts in the Polar Summer Mesosphere. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094918.	1.5	14
24	Characterization of polar mesospheric VHF radar echoes during solar minimum winter 2019/2020. Part I: Ionisation. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2021, 221, 105684.	0.6	1
25	Mesospheric gravity wave activity estimated via airglow imagery, multistatic meteor radar, and SABER data taken during the SIMONe 2018 campaign. <i>Atmospheric Chemistry and Physics</i> , 2021, 21, 13631-13654.	1.9	10
26	Q2DW-tide and ionosphere interactions as observed from ICON and ground-based radars. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029961.	0.8	4
27	Four-dimensional mesospheric and lower thermospheric wind fields using Gaussian process regression on multistatic specular meteor radar observations. <i>Atmospheric Measurement Techniques</i> , 2021, 14, 7199-7219.	1.2	2
28	Four-Dimensional Quantification of Kelvin-Helmholtz Instabilities in the Polar Summer Mesosphere Using Volumetric Radar Imaging. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086081.	1.5	18
29	Quasi-10-Day Wave and Semidiurnal Tide Nonlinear Interactions During the Southern Hemispheric SSW 2019 Observed in the Northern Hemispheric Mesosphere. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL091453.	1.5	16
30	Anomalous Behavior of the Equatorial Ionization Anomaly During the 2 July 2019 Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027909.	0.8	13
31	Zonal Wave Number Diagnosis of Rossby Wave-Like Oscillations Using Paired Ground-Based Radars. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020, 125, e2019JD031599.	1.2	9
32	VIPIR and 50 MHz Radar Studies of Gravity Wave Signatures in 150-km Echoes Observed at Jicamarca. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027535.	0.8	6
33	High-Order Solar Migrating Tides Quench at SSW Onsets. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086778.	1.5	15
34	Interhemispheric Meridional Circulation During Sudden Stratospheric Warming. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 7112-7122.	0.8	24
35	Middle- and High-Latitude Mesosphere and Lower Thermosphere Mean Winds and Tides in Response to Strong Polar-Night Jet Oscillations. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019, 124, 9262-9276.	1.2	11
36	The Case for Combining a Large Low-Band Very High Frequency Transmitter With Multiple Receiving Arrays for Geospace Research: A Geospace Radar. <i>Radio Science</i> , 2019, 54, 533-551.	0.8	6

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37	Observing Mesospheric Turbulence With Specular Meteor Radars: A Novel Method for Estimating Second-Order Statistics of Wind Velocity. <i>Earth and Space Science</i> , 2019, 6, 1171-1195.	1.1	28
38	On the Balance Between Plasma and Magnetic Pressure Across Equatorial Plasma Depletions. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5936-5944.	0.8	11
39	Solar Flare Effects on 150-km Echoes Observed Over Jicamarca: WACCM-X Simulations. <i>Geophysical Research Letters</i> , 2019, 46, 10951-10958.	1.5	12
40	Sparse Signal Recovery in MIMO Specular Meteor Radars With Waveform Diversity. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019, 57, 10088-10098.	2.7	17
41	Empirical Phase Calibration for Multistatic Specular Meteor Radars Using a Beamforming Approach. <i>Radio Science</i> , 2019, 54, 60-71.	0.8	23
42	Mesospheric anomalous diffusion during noctilucent cloud scenarios. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5259-5267.	1.9	5
43	Can VHF radars at polar latitudes measure mean vertical winds in the presence of PMSE?. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 4485-4497.	1.9	14
44	Statistical climatology of mid-latitude mesospheric summer echoes characterised by OSWIN (Ostsee-Wind) radar observations. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5251-5258.	1.9	2
45	Mesospheric semidiurnal tides and near-12-h waves through jointly analyzing observations of five specular meteor radars from three longitudinal sectors at boreal midlatitudes. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 5993-6006.	1.9	26
46	Novel specular meteor radar systems using coherent MIMO techniques to study the mesosphere and lower thermosphere. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 2113-2127.	1.2	26
47	Enhancing the spatiotemporal features of polar mesosphere summer echoes using coherent MIMO and radar imaging at MAARSY. <i>Atmospheric Measurement Techniques</i> , 2019, 12, 955-969.	1.2	21
48	Relations Between Semidiurnal Tidal Variants Through Diagnosing the Zonal Wavenumber Using a Phase Differencing Technique Based on Two Ground-Based Detectors. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018, 123, 4015-4026.	1.2	29
49	A meteoroid stream survey using meteor head echo observations from the Middle Atmosphere ALOMAR Radar System (MAARSY). <i>Icarus</i> , 2018, 309, 177-186.	1.1	26
50	Coherent MIMO to Improve Aperture Synthesis Radar Imaging of Field-Aligned Irregularities: First Results at Jicamarca. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2018, 56, 2980-2990.	2.7	23
51	Complex Plane Specular Meteor Radar Interferometry. <i>Radio Science</i> , 2018, 53, 112-128.	0.8	4
52	Semidiurnal solar tide differences between fall and spring transition times in the Northern Hemisphere. <i>Annales Geophysicae</i> , 2018, 36, 999-1008.	0.6	19
53	Seasonal variability of atmospheric tides in the mesosphere and lower thermosphere: meteor radar data and simulations. <i>Annales Geophysicae</i> , 2018, 36, 825-830.	0.6	23
54	Multi-static spatial and angular studies of polar mesospheric summer echoes combining MAARSY and KAIRA. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 9547-9560.	1.9	7

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55	Analysis and Hindcast Experiments of the 2009 Sudden Stratospheric Warming in WACCMX+DART. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3131-3153.	0.8	50
56	On the role of anisotropic MF/HF scattering in mesospheric wind estimation. <i>Earth, Planets and Space</i> , 2018, 70, .	0.9	14
57	The 16-Day Planetary Wave Triggers the SW1 Tidal-Like Signatures During 2009 Sudden Stratospheric Warming. <i>Geophysical Research Letters</i> , 2018, 45, 12,631.	1.5	11
58	Complex Plane Specular Meteor Radar Interferometry. , 2018, , .		0
59	Retrieving horizontally resolved wind fields using multi-static meteor radar observations. <i>Atmospheric Measurement Techniques</i> , 2018, 11, 4891-4907.	1.2	36
60	Observation of Kelvin-Helmholtz instabilities and gravity waves in the summer mesopause above Andenes in Northern Norway. <i>Atmospheric Chemistry and Physics</i> , 2018, 18, 6721-6732.	1.9	18
61	How Sudden Stratospheric Warming Affects the Whole Atmosphere. <i>Eos</i> , 2018, 99, .	0.1	72
62	Simultaneous optical and meteor head echo measurements using the Middle Atmosphere Alomar Radar System (MAARSY): Data collection and preliminary analysis. <i>Planetary and Space Science</i> , 2017, 141, 25-34.	0.9	19
63	Gravity Wave-Induced Ionospheric Irregularities in the Postsunset Equatorial Valley Region. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,579.	0.8	10
64	Characterization of a Double Mesospheric Bore Over Europe. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9738-9750.	0.8	20
65	Application of Manley-Rowe Relation in Analyzing Nonlinear Interactions Between Planetary Waves and the Solar Semidiurnal Tide During 2009 Sudden Stratospheric Warming Event. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 10,783.	0.8	30
66	Climatology of semidiurnal lunar and solar tides at middle and high latitudes: Interhemispheric comparison. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7750-7760.	0.8	31
67	Polar mesospheric horizontal divergence and relative vorticity measurements using multiple specular meteor radars. <i>Radio Science</i> , 2017, 52, 811-828.	0.8	33
68	Results of the first continuous meteor head echo survey at polar latitudes. <i>Icarus</i> , 2017, 297, 1-13.	1.1	26
69	Intercomparison of radar meteor velocity corrections using different ionization coefficients. <i>Geophysical Research Letters</i> , 2017, 44, 5766-5773.	1.5	1
70	Experimental Evidence of Arctic Summer Mesospheric Upwelling and Its Connection to Cold Summer Mesopause. <i>Geophysical Research Letters</i> , 2017, 44, 9151-9158.	1.5	9
71	Exceptionally strong summer-like zonal wind reversal in the upper mesosphere during winter 2015/16. <i>Annales Geophysicae</i> , 2017, 35, 711-720.	0.6	46
72	A comparison of 11-year mesospheric and lower thermospheric winds determined by meteor and MF radar at 69 Å°N. <i>Annales Geophysicae</i> , 2017, 35, 893-906.	0.6	28

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73	Patches of polar mesospheric summer echoes characterized from radar imaging observations with MAARSY. <i>Annales Geophysicae</i> , 2016, 34, 1231-1241.	0.6	10
74	Coded continuous wave meteor radar. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 829-839.	1.2	27
75	A theoretical framework for the changing spectral properties of meter-scale Farley-Buneman waves between 90 and 125 km altitudes. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,341.	0.8	15
76	Unusual 5 m E region field-aligned irregularities observed from Northern Germany during the magnetic storm of 17 March 2015. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 10,316.	0.8	15
77	Quasi-biennial oscillation modulation of the middle and high latitude mesospheric semidiurnal tides during August-September. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4869-4879.	0.8	22
78	Multimodel comparison of the ionosphere variability during the 2009 sudden stratosphere warming. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 7204-7225.	0.8	34
79	On the angular dependence and scattering model of polar mesospheric summer echoes at VHF. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 278-288.	1.2	12
80	On high time-range resolution observations of PMSE: Statistical characteristics. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016, 121, 6713-6722.	1.2	6
81	A multistatic and multifrequency novel approach for specular meteor radars to improve wind measurements in the MLT region. <i>Radio Science</i> , 2015, 50, 431-442.	0.8	46
82	Upper mesospheric lunar tides over middle and high latitudes during sudden stratospheric warming events. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3084-3096.	0.8	74
83	The August 2011 URSI World Day campaign: Initial results. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2015, 134, 47-55.	0.6	3
84	Radio-tomographic images of post-midnight Equatorial Plasma Depletions. , 2014, , .		0
85	Estimation and validation of the radiation pattern of the Middle Atmosphere Alomar Radar System (MAARSY). , 2014, , .		0
86	Wind and spectral width estimations in PMSE with coherent radar imaging. , 2014, , .		0
87	MAARSY multiple receiver phase calibration using radio sources. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 118, 55-63.	0.6	16
88	Ionosphere variability during the 2009 SSW: Influence of the lunar semidiurnal tide and mechanisms producing electron density variability. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3828-3843.	0.8	78
89	PMSE strength during enhanced D region electron densities: Faraday rotation and absorption effects at VHF frequencies. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 118, 113-118.	0.6	9
90	Altitudinal dependence of evening equatorial F region vertical plasma drifts. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5877-5890.	0.8	27

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91	Nonspecular meteor trails from nonaligned irregularities: Can they be explained by presence of charged meteor dust?. Geophysical Research Letters, 2014, 41, 3336-3343.	1.5	31
92	Neutral density variation from specular meteor echo observations spanning one solar cycle. Geophysical Research Letters, 2014, 41, 6919-6925.	1.5	37
93	Radio tomographic images of postmidnight equatorial plasma depletions. Geophysical Research Letters, 2014, 41, 13-19.	1.5	12
94	150-km echoes: Existence of two distinct types of equatorial echoes and the influence of solar radiation. , 2014, , .		0
95	A multi-beam incoherent scatter radar technique for the estimation of ionospheric electron density and T_e profiles at Jicamarca. Journal of Atmospheric and Solar-Terrestrial Physics, 2013, 105-106, 214-229.	0.6	11
96	Ionospheric effects of sudden stratospheric warming during moderate to high solar activity: Case study of January 2013. Geophysical Research Letters, 2013, 40, 4982-4986.	1.5	102
97	On the characterization of radar receivers for meteor head echoes studies. Radio Science, 2013, 48, 33-41.	0.8	2
98	Equatorial ionospheric electrodynamic perturbations during Southern Hemisphere stratospheric warming events. Journal of Geophysical Research: Space Physics, 2013, 118, 1190-1195.	0.8	16
99	Comparison of zonal neutral winds with equatorial plasma bubble and plasma drift velocities. Journal of Geophysical Research: Space Physics, 2013, 118, 1802-1812.	0.8	37
100	Determination of meteor-head echo trajectories using the interferometric capabilities of MAARSY. Annales Geophysicae, 2013, 31, 1843-1851.	0.6	23
101	The Jicamarca phased-array radar. , 2013, , .		1
102	Discovery of two distinct types of equatorial 150 km radar echoes. Geophysical Research Letters, 2013, 40, 4509-4514.	1.5	26
103	Nighttime vertical plasma drifts and the occurrence of sunrise undulation at the dip equator: A study using Jicamarca incoherent backscatter radar measurements. Geophysical Research Letters, 2013, 40, 5570-5575.	1.5	18
104	Initial MST radar observations of upper tropospheric-lower stratospheric duct-like structures over Jicamarca, Peru. Atmospheric Chemistry and Physics, 2012, 12, 11085-11093.	1.9	2
105	The Low Latitude Ionosphere Sensor Network: Initial results. Radio Science, 2012, 47, .	0.8	65
106	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. Space Science Reviews, 2012, 168, 385-417.	3.7	183
107	Magnetic aspect sensitivity of 3-m F_2 -region field-aligned plasma density irregularities over Jicamarca. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	3
108	CEDAR Electrodynamics Thermosphere Ionosphere (ETI) Challenge for systematic assessment of ionosphere/thermosphere models: NmF2, hmF2, and vertical drift using ground-based observations. Space Weather, 2011, 9, .	1.3	71

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109	Enhanced lunar semidiurnal equatorial vertical plasma drifts during sudden stratospheric warmings. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	93
110	Lunar atmospheric tidal effects in the plasma drifts observed by the Low-Latitude Ionospheric Sensor Network. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	26
111	VHF voice and data communications via Equatorial Electrojet scattering: Channel characterization and application of a frequency diversity technique using Software Defined Radio technology. , 2011, , .		1
112	PIV measurements of the vector velocity of ESF over Jicamarca. , 2011, , .		0
113	On the possible effect of signal processing in meteor-head radar reflections from Jicamarca. , 2011, , .		1
114	On the characteristics of 150-km echoes observed in the Brazilian longitude sector by the 30 MHz SÃo LuÃs radar. <i>Annales Geophysicae</i> , 2011, 29, 1905-1916.	0.6	16
115	Equatorial and Low Latitude Ionospheric Effects During Sudden Stratospheric Warming Events. <i>Space Sciences Series of ISSI</i> , 2011, , 385-417.	0.0	3
116	FIRST VERY LOW FREQUENCY DETECTION OF SHORT REPEATED BURSTS FROM MAGNETAR SGR J1550â5418. <i>Astrophysical Journal Letters</i> , 2010, 721, L24-L27.	3.0	36
117	Impact of sudden stratospheric warmings on equatorial ionization anomaly. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	197
118	Unexpected connections between the stratosphere and ionosphere. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	241
119	Quiet time ionospheric variability over Arecibo during sudden stratospheric warming events. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	109
120	Modeling the low-latitude ionospheric electron density and plasma turbulence in the November 2004 storm period. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 350-357.	0.6	6
121	Spectacular low- and mid-latitude electrical fields and neutral winds during a superstorm. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2010, 72, 285-291.	0.6	25
122	Lunarâdependent equatorial ionospheric electrodynamic effects during sudden stratospheric warmings. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	187
123	Nonspecular meteor trail altitude distributions and durations observed by a 50 MHz highâpower radar. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	19
124	Topside measurements at Jicamarca during solar minimum. <i>Annales Geophysicae</i> , 2009, 27, 427-439.	0.6	27
125	Naturally enhanced ion-line spectra around the equatorial 150-km region. <i>Annales Geophysicae</i> , 2009, 27, 933-942.	0.6	16
126	The search for extended air showers at the Jicamarca Radio Observatory. , 2009, , .		1

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127	Meteor-head echo observations using an antenna compression approach with the 450MHz Poker Flat Incoherent Scatter Radar. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 636-643.	0.6	14
128	Quiet variability of equatorial E – B drifts during a sudden stratospheric warming event. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	229
129	Remote sensing lower thermosphere wind profiles using non-specular meteor echoes. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	36
130	Comparing F region ionospheric irregularity observations from C/NOFS and Jicamarca. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	20
131	Estimating E region density profiles from radio occultation measurements assisted by IDA4D. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	25
132	First results of the refurbished SOUSY radar: Tropopause altitude climatology at 78°N, 16°E, 2008. <i>Radio Science</i> , 2009, 44, .	0.8	13
133	Polar mesospheric summer echoes at 78°N, 16°E, 2008: First results of the refurbished sounding system (SOUSY) Svalbard radar. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	2
134	Climatology of postsunset equatorial spread F over Jicamarca. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	52
135	Radar cross sections for mesospheric echoes at Jicamarca. <i>Annales Geophysicae</i> , 2009, 27, 2675-2684.	0.6	14
136	First definitive observations of meteor shower particles using a high-power large-aperture radar. <i>Icarus</i> , 2008, 194, 23-29.	1.1	23
137	Improving the Accuracy of Meteoroid Mass Estimates from Head Echo Deceleration. <i>Earth, Moon and Planets</i> , 2008, 102, 379-382.	0.3	5
138	Near-infrared sky background fluctuations at mid- and low latitudes. <i>Experimental Astronomy</i> , 2008, 22, 87.	1.6	9
139	Day to night variation in meteor trail measurements: Evidence for a new theory of plasma trail evolution. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	17
140	Improved spectral estimation of equatorial spread F through aperiodic pulsing and Bayesian inversion. <i>Radio Science</i> , 2008, 43, .	0.8	3
141	Full profile incoherent scatter analysis at Jicamarca. <i>Annales Geophysicae</i> , 2008, 26, 59-75.	0.6	40
142	Phase calibration approaches for radar interferometry and imaging configurations: equatorial spread F results. <i>Annales Geophysicae</i> , 2008, 26, 2333-2343.	0.6	22
143	Ion gyroresonance observations at Jicamarca revisited. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	1
144	Equatorial Ionospheric Electric Fields During the November 2004 Magnetic Storm. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	188

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145	Combined radar observations of equatorial electrojet irregularities at Jicamarca. <i>Annales Geophysicae</i> , 2007, 25, 457-473.	0.6	31
146	High-resolution observations of mesospheric layers with the Jicamarca VHF radar. <i>Advances in Space Research</i> , 2007, 40, 734-743.	1.2	34
147	Turbulent kinetic energy dissipation rates and eddy diffusivities in the tropical mesosphere using Jicamarca radar data. <i>Advances in Space Research</i> , 2007, 40, 744-750.	1.2	11
148	Sporadic meteor sources as observed by the Jicamarca high-power large-aperture VHF radar. <i>Icarus</i> , 2007, 188, 162-174.	1.1	56
149	Multi-longitude case studies comparing the interplanetary and equatorial ionospheric electric fields using an empirical model. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1174-1181.	0.6	17
150	Penetration electric fields: Efficiency and characteristic time scale. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1135-1146.	0.6	118
151	Equatorial spread-F initiation: Post-sunset vortex, thermospheric winds, gravity waves. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 2416-2427.	0.6	124
152	The spectral properties of low latitude daytime electric fields inferred from magnetometer observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1160-1173.	0.6	25
153	Interplanetary electric fields and their relationship to low-latitude electric fields under disturbed conditions. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1147-1159.	0.6	18
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