

J V Rodriguez

List of Publications by Year in descending order

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43
papers

1,442
citations

331538

21
h-index

330025

37
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47
all docs

47
docs citations

47
times ranked

1422
citing authors

#	ARTICLE	IF	CITATIONS
1	Source and seed populations for relativistic electrons: Their roles in radiation belt changes. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7240-7254.	0.8	215
2	Competing source and loss mechanisms due to wave-particle interactions in Earth's outer radiation belt during the 30 September to 3 October 2012 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 1960-1979.	0.8	103
3	Unraveling the drivers of the storm time radiation belt response. <i>Geophysical Research Letters</i> , 2015, 42, 3076-3084.	1.5	90
4	Investigation of EMIC wave scattering as the cause for the BARREL 17 January 2013 relativistic electron precipitation event: A quantitative comparison of simulation with observations. <i>Geophysical Research Letters</i> , 2014, 41, 8722-8729.	1.5	78
5	The evolution of ring current ion energy density and energy content during geomagnetic storms based on Van Allen Probes measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7493-7511.	0.8	70
6	September 2017's Geoeffective Space Weather and Impacts to Caribbean Radio Communications During Hurricane Response. <i>Space Weather</i> , 2018, 16, 1190-1201.	1.3	68
7	Intercalibration of GOES 8-15 solar proton detectors. <i>Space Weather</i> , 2014, 12, 92-109.	1.3	56
8	Energetic Electron Precipitation: Multievent Analysis of Its Spatial Extent During EMIC Wave Activity. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 2466-2483.	0.8	50
9	Spatial structure and temporal evolution of energetic particle injections in the inner magnetosphere during the 14 July 2013 substorm event. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1924-1938.	0.8	49
10	Pulsating auroral electron flux modulations in the equatorial magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 4884-4894.	0.8	46
11	Extreme relativistic electron fluxes at geosynchronous orbit: Analysis of GOES > 2 MeV electrons. <i>Space Weather</i> , 2015, 13, 170-184.	1.3	44
12	POES MEPED differential flux retrievals and electron channel contamination correction. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4596-4612.	0.8	41
13	Quantification of Energetic Electron Precipitation Driven by Plume Whistler Mode Waves, Plasmaspheric Hiss, and Exohiss. <i>Geophysical Research Letters</i> , 2019, 46, 3615-3624.	1.5	37
14	Space weather conditions during the Galaxy 15 spacecraft anomaly. <i>Space Weather</i> , 2015, 13, 484-502.	1.3	36
15	Validation of the effect of cross-calibrated GOES solar proton effective energies on derived integral fluxes by comparison with STEREO observations. <i>Space Weather</i> , 2017, 15, 290-309.	1.3	36
16	Long-Lasting Poloidal ULF Waves Observed by Multiple Satellites and High-Latitude SuperDARN Radars. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8422-8438.	0.8	36
17	The east-west effect in solar proton flux measurements in geostationary orbit: A new GOES capability. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	35
18	Plasma Conditions During the Galaxy 15 Anomaly and the Possibility of ESD from Subsurface Charging. , 2011, , .		33

#	ARTICLE	IF	CITATIONS
19	Effects of modeled ionospheric conductance and electron loss on self-consistent ring current simulations during the 5 th April 2010 storm. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 5355-5376.	0.8	29
20	Understanding the Driver of Energetic Electron Precipitation Using Coordinated Multisatellite Measurements. <i>Geophysical Research Letters</i> , 2018, 45, 6755-6765.	1.5	29
21	Comparative analysis of NOAA REFM and SNB ³ GEO tools for the forecast of the fluxes of high-energy electrons at GEO. <i>Space Weather</i> , 2016, 14, 22-31.	1.3	26
22	Electron Fluxes at Geostationary Orbit From GOES MAGED Data. <i>Space Weather</i> , 2017, 15, 1602-1614.	1.3	24
23	The GOES-R Space Environment In Situ Suite (SEISS): Measurement of Energetic Particles in Geospace. , 2020, , 243-250.		18
24	Validation of Inner Magnetosphere Particle Transport and Acceleration Model (IMPTAM) With Long-Term GOES MAGED Measurements of keV Electron Fluxes at Geostationary Orbit. <i>Space Weather</i> , 2019, 17, 687-708.	1.3	17
25	Comparison of Van Allen Probes Energetic Electron Data With Corresponding GOES ¹⁵ Measurements: 2012-2018. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9924-9942.	0.8	16
26	Case studies of the impact of high-speed solar wind streams on the electron radiation belt at geosynchronous orbit: Flux, magnetic field, and phase space density. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 6964-6979.	0.8	15
27	Electron number density, temperature, and energy density at GEO and links to the solar wind: A simple predictive capability. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4556-4571.	0.8	15
28	Proton and Electron Injection Path at Geosynchronous Altitude. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4083-4103.	0.8	13
29	Very high energy proton peak flux model. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 24.	1.1	13
30	Development of a Bowtie Inversion Technique for Real-Time Processing of the GOES ^{16/17} SEISS MPS ^{HI} Electron Channels. <i>Space Weather</i> , 2020, 18, e2019SW002403.	1.3	13
31	Modeling solar proton access to geostationary spacecraft with geomagnetic cutoffs. <i>Advances in Space Research</i> , 2013, 52, 1939-1948.	1.2	12
32	Giant pulsations on the afternoonside: Geostationary satellite and ground observations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8350-8367.	0.8	11
33	Extension of an Empirical Electron Flux Model From 6 to 20 Earth Radii Using Cluster/RAPID Observations. <i>Space Weather</i> , 2019, 17, 778-792.	1.3	11
34	Improved Polar and Geosynchronous Satellite Data Sets Available in Common Data Format at the Coordinated Data Analysis Web. <i>Space Weather</i> , 2015, 13, 254-256.	1.3	9
35	Onsets of Solar Proton Events in Satellite and Ground Level Observations: A Comparison. <i>Space Weather</i> , 2018, 16, 245-260.	1.3	9
36	Cross Calibration of the GPS Constellation CXD Proton Data With GOES EPS. <i>Space Weather</i> , 2018, 16, 273-288.	1.3	9

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37	Undulations in MeV solar energetic particle fluxes in Earth's magnetosphere associated with substorm magnetic field reconfigurations. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	8
38	Observations From NOAA's Newest Solar Proton Sensor. <i>Space Weather</i> , 2021, 19, e2021SW002750.	1.3	7
39	Impulsively Excited Nightside Ultralow Frequency Waves Simultaneously Observed on and off the Magnetic Equator. <i>Geophysical Research Letters</i> , 2018, 45, 7918-7926.	1.5	5
40	On-orbit calibration of geostationary electron and proton flux observations for augmentation of an existing empirical radiation model. <i>Journal of Space Weather and Space Climate</i> , 2020, 10, 28.	1.1	5
41	Solar Energetic Particle Measurements Intercalibration Workshop, 11 April 2014. <i>Space Weather</i> , 2014, 12, 129-130.	1.3	1
42	Electrodynamic Coupling Between The Atmospheric and Space Environments after an Extreme Space Weather Event. , 2020, , .		0
43	First Application of a Theoretically Derived Coupling Function in Cosmic-Ray Intensity for the Case of the 10 September 2017 Ground-Level Enhancement (GLE 72). <i>Solar Physics</i> , 2022, 297, .	1.0	0