

Joseph D Huba

List of Publications by Year in descending order

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141
papers

5,123
citations

101543

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106344

65
g-index

154
all docs

154
docs citations

154
times ranked

3672
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Sami2 is Another Model of the Ionosphere (SAM2): A new low-latitude ionosphere model. Journal of Geophysical Research, 2000, 105, 23035-23053. | 3.3 | 470 |
| 2 | Simulation of the seeding of equatorial spread F_2 by circular gravity waves. Geophysical Research Letters, 2013, 40, 1-5. | 4.0 | 324 |
| 3 | Three-dimensional equatorial spread F_2 modeling. Geophysical Research Letters, 2008, 35, . | 4.0 | 196 |
| 4 | The Ionospheric Connection Explorer Mission: Mission Goals and Design. Space Science Reviews, 2018, 214, 1. | 8.1 | 152 |
| 5 | An improved coupling model for the lithosphere-atmosphere-ionosphere system. Journal of Geophysical Research: Space Physics, 2014, 119, 3189-3205. | 2.4 | 143 |
| 6 | Ionosphere plasma bubbles and density variations induced by pre-earthquake rock currents and associated surface charges. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 136 |
| 7 | Modeling of multiple effects of atmospheric tides on the ionosphere: An examination of possible coupling mechanisms responsible for the longitudinal structure of the equatorial ionosphere. Journal of Geophysical Research, 2010, 115, . | 3.3 | 108 |
| 8 | Simulation study of penetration electric field effects on the low- to mid-latitude ionosphere. Geophysical Research Letters, 2005, 32, . | 4.0 | 92 |
| 9 | Hall Magnetic Reconnection Rate. Physical Review Letters, 2004, 93, 175003. | 7.8 | 91 |
| 10 | Sub-Alfvénic plasma expansion. Physics of Fluids B, 1993, 5, 3491-3506. | 1.7 | 90 |
| 11 | Hall magnetohydrodynamics in space and laboratory plasmas. Physics of Plasmas, 1995, 2, 2504-2513. | 1.9 | 70 |
| 12 | Global modeling of equatorial plasma bubbles. Geophysical Research Letters, 2010, 37, . | 4.0 | 70 |
| 13 | SAMI3 prediction of the impact of the 21 August 2017 total solar eclipse on the ionosphere/plasmasphere system. Geophysical Research Letters, 2017, 44, 5928-5935. | 4.0 | 70 |
| 14 | The Kelvin-Helmholtz instability: Finite Larmor radius magnetohydrodynamics. Geophysical Research Letters, 1996, 23, 2907-2910. | 4.0 | 68 |
| 15 | On magnetic reconnection regimes and associated three-dimensional asymmetries: Hybrid, Hall-less hybrid, and Hall-MHD simulations. Journal of Geophysical Research, 2004, 109, . | 3.3 | 66 |
| 16 | Lightning driven EMP in the upper atmosphere. Geophysical Research Letters, 1995, 22, 361-364. | 4.0 | 64 |
| 17 | Hall magnetic reconnection: Guide field dependence. Physics of Plasmas, 2005, 12, 012322. | 1.9 | 63 |
| 18 | Impact of meridional winds on equatorial spread F_2 : Revisited. Geophysical Research Letters, 2013, 40, 1268-1272. | 4.0 | 63 |

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|----|---|-----|-----------|
| 19 | Three-dimensional equatorial spread <i>F</i> modeling: Zonal neutral wind effects. Geophysical Research Letters, 2009, 36, . | 4.0 | 62 |
| 20 | Global Ionospheric and Thermospheric Effects of the June 2015 Geomagnetic Disturbances: Multi-Instrumental Observations and Modeling. Journal of Geophysical Research: Space Physics, 2017, 122, 11716-11742. | 2.4 | 60 |
| 21 | Hall magnetohydrodynamic modeling of a long-conduction-time plasma opening switch. Physics of Plasmas, 1994, 1, 3444-3454. | 1.9 | 58 |
| 22 | Three-dimensional simulation of equatorial spread-F with meridional wind effects. Annales Geophysicae, 2009, 27, 1821-1830. | 1.6 | 58 |
| 23 | Ground and Space-Based Measurement of Rocket Engine Burns in the Ionosphere. IEEE Transactions on Plasma Science, 2012, 40, 1267-1286. | 1.3 | 58 |
| 24 | Hall Magnetohydrodynamics - A Tutorial. , 2003, , 166-192. | | 57 |
| 25 | Why do equatorial ionospheric bubbles stop rising?. Geophysical Research Letters, 2010, 37, . | 4.0 | 55 |
| 26 | Equatorial spread F modeling: Multiple bifurcated structures, secondary instabilities, large density bite-outs, and supersonic flows. Geophysical Research Letters, 2007, 34, . | 4.0 | 53 |
| 27 | On the seeding of equatorial spread F by gravity waves. Geophysical Research Letters, 2013, 40, 661-664. | 4.0 | 52 |
| 28 | Laboratory laser-produced astrophysical-like plasmas. Laser and Particle Beams, 1990, 8, 183-190. | 1.0 | 51 |
| 29 | Ionospheric and dayglow responses to the radiative phase of the Bastille Day flare. Geophysical Research Letters, 2002, 29, 99-1-99-4. | 4.0 | 50 |
| 30 | Theory and simulation of a high-frequency magnetic drift wave. Physics of Fluids B, 1991, 3, 3217-3225. | 1.7 | 46 |
| 31 | Modeling of equatorial plasma bubbles triggered by non-equatorial traveling ionospheric disturbances. Geophysical Research Letters, 2011, 38, n/a-n/a. | 4.0 | 45 |
| 32 | Finite Larmor radius magnetohydrodynamics of the Rayleigh-Taylor instability. Physics of Plasmas, 1996, 3, 2523-2532. | 1.9 | 43 |
| 33 | Theoretical study of the ionospheric Weddell Sea Anomaly using SAMI2. Journal of Geophysical Research, 2011, 116, n/a-n/a. | 3.3 | 42 |
| 34 | Storm time ionosphere and plasmasphere structuring: SAMI3-RCM simulation of the 31 March 2001 geomagnetic storm. Geophysical Research Letters, 2014, 41, 8208-8214. | 4.0 | 42 |
| 35 | Full profile incoherent scatter analysis at Jicamarca. Annales Geophysicae, 2008, 26, 59-75. | 1.6 | 40 |
| 36 | Global Modeling of Equatorial Spread <i>F</i> with SAMI3/WACCM-X. Geophysical Research Letters, 2020, 47, e2020GL088258. | 4.0 | 40 |

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|----|---|-----|-----------|
| 37 | Modeling the ionospheric impact of tsunami-driven gravity waves with SAMI3: Conjugate effects. <i>Geophysical Research Letters</i> , 2015, 42, 5719-5726. | 4.0 | 38 |
| 38 | Observation of faster-than-diffusion magnetic field penetration into a plasma. <i>Physics of Plasmas</i> , 2003, 10, 112-125. | 1.9 | 37 |
| 39 | Three-dimensional modeling of equatorial spread <i>F</i> airglow enhancements. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 36 |
| 40 | Ion and electron temperature evolution during equatorial spread <i>F</i> . <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 35 |
| 41 | SAMI3-RCM simulation of the 17 March 2015 geomagnetic storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1246-1257. | 2.4 | 33 |
| 42 | 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. | 2.4 | 33 |
| 43 | Modeling the longitudinal variation in the post-sunset far-ultraviolet OI airglow using the SAMI2 model. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 32 |
| 44 | Modeling ionospheric super-fountain effect based on the coupled TIMEGCM-SAMI3. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2527-2535. | 2.4 | 32 |
| 45 | Global response of the low-latitude to midlatitude ionosphere due to the Bastille Day flare. <i>Geophysical Research Letters</i> , 2005, 32, . | 4.0 | 31 |
| 46 | Incoherent scatter from space shuttle and rocket engine plumes in the ionosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 2239-2251. | 3.3 | 30 |
| 47 | 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. | 2.4 | 30 |
| 48 | On the generation and structure of the quadrupole magnetic field in the reconnection process: Comparative simulation study. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a. | 4.0 | 29 |
| 49 | Atomic and molecular ion dynamics during equatorial spread <i>F</i> . <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 29 |
| 50 | Self-consistent modeling of equatorial dawn density depletions with SAMI3. <i>Geophysical Research Letters</i> , 2010, 37, . | 4.0 | 29 |
| 51 | SAMI2-PE: A model of the ionosphere including multistream interhemispheric photoelectron transport. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 29 |
| 52 | The Rayleigh-Taylor instability is not damped by recombination in the F region. <i>Journal of Geophysical Research</i> , 1996, 101, 24553-24556. | 3.3 | 27 |
| 53 | A new 3D MHD algorithm: the distribution function method. <i>Journal of Plasma Physics</i> , 1999, 61, 391-405. | 2.1 | 27 |
| 54 | Topside measurements at Jicamarca during solar minimum. <i>Annales Geophysicae</i> , 2009, 27, 427-439. | 1.6 | 27 |

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|----|---|-----|-----------|
| 55 | Electrostatic reconnection in the ionosphere. <i>Geophysical Research Letters</i> , 2015, 42, 1626-1631. | 4.0 | 27 |
| 56 | SAMI3_ICON: Model of the Ionosphere/Plasmasphere System. <i>Space Science Reviews</i> , 2017, 212, 731-742. | 8.1 | 27 |
| 57 | Direct ELIV/X-Ray Modulation of the Ionosphere During the August 2017 Total Solar Eclipse. <i>Geophysical Research Letters</i> , 2018, 45, 3820-3828. | 4.0 | 27 |
| 58 | Global Ionospheric Metal Ion Transport With SAMI3. <i>Geophysical Research Letters</i> , 2019, 46, 7937-7944. | 4.0 | 27 |
| 59 | Short wavelength stabilization of the gradient drift instability due to velocity shear. <i>Geophysical Research Letters</i> , 1983, 10, 357-360. | 4.0 | 26 |
| 60 | The formation of an electron hole in the topside equatorial ionosphere. <i>Geophysical Research Letters</i> , 2000, 27, 181-184. | 4.0 | 26 |
| 61 | Ion sound waves in the topside low latitude ionosphere. <i>Geophysical Research Letters</i> , 2000, 27, 3181-3184. | 4.0 | 26 |
| 62 | Generation of waves in the Venus mantle by the ion acoustic beam instability. <i>Geophysical Research Letters</i> , 1993, 20, 1751-1754. | 4.0 | 25 |
| 63 | Self-consistent generation of MSTIDs within the SAMI3 numerical model. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 6745-6757. | 2.4 | 24 |
| 64 | Skidding™ of the CRRES barium release. <i>Geophysical Research Letters</i> , 1992, 19, 1085-1088. | 4.0 | 23 |
| 65 | Interaction of the Solar Wind with Unmagnetized Planets. <i>Physical Review Letters</i> , 1999, 83, 260-263. | 7.8 | 23 |
| 66 | An interhemispheric model of artificial ionospheric ducts. <i>Radio Science</i> , 2006, 41, n/a-n/a. | 1.6 | 23 |
| 67 | Simulation of field-aligned H ⁺ and He ⁺ dynamics during late-stage plasmasphere refilling. <i>Annales Geophysicae</i> , 2008, 26, 1507-1516. | 1.6 | 23 |
| 68 | Nonlocal theory of the Rayleigh-Taylor instability in the limit of unmagnetized ions. <i>Physics of Fluids B</i> , 1989, 1, 931-941. | 1.7 | 22 |
| 69 | Theory of small-scale density and electric field fluctuations in the nightside Venus ionosphere. <i>Journal of Geophysical Research</i> , 1992, 97, 43-50. | 3.3 | 22 |
| 70 | Comparison of O ⁺ density from ARGOS LORAAS data analysis and SAMI2 model results. <i>Geophysical Research Letters</i> , 2002, 29, 6-1. | 4.0 | 22 |
| 71 | SAMI3 simulation of plasmasphere refilling. <i>Geophysical Research Letters</i> , 2013, 40, 2484-2488. | 4.0 | 22 |
| 72 | Three-dimensional simulation study of ionospheric plasma clouds. <i>Geophysical Research Letters</i> , 1990, 17, 1597-1600. | 4.0 | 21 |

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| 73 | Self-generation of magnetic fields by sheared flows in weakly ionized plasmas. <i>Physics of Fluids B</i> , 1993, 5, 3779-3788. | 1.7 | 21 |
| 74 | Exploring the role of ionospheric drivers during the extreme solar minimum of 2008. <i>Annales Geophysicae</i> , 2013, 31, 2147-2156. | 1.6 | 21 |
| 75 | The Unknown Hydrogen Exosphere: Space Weather Implications. <i>Space Weather</i> , 2018, 16, 205-215. | 3.7 | 20 |
| 76 | Universal interchange instability in partially ionized gases. <i>Physics of Fluids B</i> , 1990, 2, 2547-2550. | 1.7 | 17 |
| 77 | The effect of the thermosphere on quiet time plasmasphere morphology. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 5032-5048. | 2.4 | 17 |
| 78 | Simulation study of a positive ionospheric storm phase observed at Millstone Hill. <i>Geophysical Research Letters</i> , 2006, 33, . | 4.0 | 16 |
| 79 | Topside equatorial ionospheric density, temperature, and composition under equinox, low solar flux conditions. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3899-3912. | 2.4 | 16 |
| 80 | MAVEN Observations of Ionospheric Irregularities at Mars. <i>Geophysical Research Letters</i> , 2017, 44, 10,845. | 4.0 | 16 |
| 81 | Ionospheric Disturbances Triggered by SpaceX Falcon Heavy. <i>Geophysical Research Letters</i> , 2018, 45, 6334-6342. | 4.0 | 16 |
| 82 | Large-scale O ⁺ Depletions Observed by ICON in the Post-Midnight Topside Ionosphere: Data/Model Comparison. <i>Geophysical Research Letters</i> , 2021, 48, e2020GL092061. | 4.0 | 16 |
| 83 | Space-based imaging of nighttime medium-scale traveling ionospheric disturbances using FORMOSAT-2/ISUAL 630.0nm airglow observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4769-4781. | 2.4 | 15 |
| 84 | Modeling Amateur Radio Soundings of the Ionospheric Response to the 2017 Great American Eclipse. <i>Geophysical Research Letters</i> , 2018, 45, 4665-4674. | 4.0 | 15 |
| 85 | Ionospheric response to the solar flare of 14 July 2000. <i>Radio Science</i> , 2004, 39, n/a-n/a. | 1.6 | 13 |
| 86 | Seeding equatorial spread F with turbulent gravity waves: Phasing effects. <i>Geophysical Research Letters</i> , 2015, 42, 15-21. | 4.0 | 13 |
| 87 | Measurement and modeling of the refilling plasmasphere during 2001. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2226-2248. | 2.4 | 13 |
| 88 | Observation and Simulation of the Development of Equatorial Plasma Bubbles: Post-Sunset Rise or Upwelling Growth?. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028544. | 2.4 | 13 |
| 89 | Radio-tomographic images of postmidnight equatorial plasma depletions. <i>Geophysical Research Letters</i> , 2014, 41, 13-19. | 4.0 | 12 |
| 90 | Understanding and Harnessing the Dual Electrostatic/Electromagnetic Character of Plasma Turbulence in the Near-Earth Space Environment. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10365-10375. | 2.4 | 11 |

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| 91 | Change in Total Electron Content During the 26 December 2019 Solar Eclipse: Constraints From GNSS Observations and Comparison With SAMI3 Model Results. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028230. | 2.4 | 11 |
| 92 | SAMI3 Simulations of Ionospheric Metallic Layers at Arecibo. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027297. | 2.4 | 11 |
| 93 | Generalized Rayleighâ€Taylor Instability: Ion Inertia, Acceleration Forces, and <i>E</i> Region Drivers. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 2.4 | 11 |
| 94 | Nonlinear evolution of the unmagnetized ion Rayleighâ€Taylor instability. <i>Physics of Fluids B</i> , 1990, 2, 2001-2006. | 1.7 | 10 |
| 95 | Modeling Arecibo conjugate heating effects with SAMI2. <i>Geophysical Research Letters</i> , 2012, 39, . | 4.0 | 10 |
| 96 | Nonmigrating tidal signature in the distributions of equatorial plasma bubbles and prereversal enhancement. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 3254-3262. | 2.4 | 10 |
| 97 | Effect of timeâ€dependent 3â€D electron density gradients on high angle of incidence HF radiowave propagation. <i>Radio Science</i> , 2016, 51, 1131-1141. | 1.6 | 10 |
| 98 | Sensitivity studies of equatorial topside electron and ion temperatures. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 9 |
| 99 | Dayâ€toâ€day variability in the thermosphere and its impact on plasmasphere refilling. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 6889-6900. | 2.4 | 9 |
| 100 | The plasmasphere electron content paradox. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8924-8935. | 2.4 | 9 |
| 101 | Erosion of the plasmasphere during a storm. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 9320-9328. | 2.4 | 9 |
| 102 | SAMI3 Simulations of a Persistent Plasmasphere Plume. <i>Geophysical Research Letters</i> , 2018, 45, 3374-3381. | 4.0 | 9 |
| 103 | Estimation of Ion Temperature in the Upper Ionosphere Along the Swarm Satellite Orbits. <i>Earth and Space Science</i> , 2021, 8, e2021EA001925. | 2.6 | 9 |
| 104 | Topside Plasma Flows in the Equatorial Ionosphere and Their Relationships to Fâ€Region Winds Near 250Åkm. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 2.4 | 9 |
| 105 | Smallâ€scale density irregularities in the nightside Venus ionosphere: Comparison of theory and observations. <i>Journal of Geophysical Research</i> , 1993, 98, 3079-3086. | 3.3 | 8 |
| 106 | Hemispheric daytime ionospheric response to intense solar wind forcing. <i>Geophysical Monograph Series</i> , 2005, , 261-275. | 0.1 | 8 |
| 107 | Estimating the electron energy distribution during ionospheric modification from spectrographic airglow measurements. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 8 |
| 108 | Heaterâ€induced ionization inferred from spectrometric airglow measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2038-2045. | 2.4 | 8 |

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| 109 | Eclipse-induced Changes to Topside Ion Composition and Field-Aligned Ion Flows in the August 2017 Solar Eclipse: ePOPOP Observations. <i>Geophysical Research Letters</i> , 2018, 45, 10,829. | 4.0 | 8 |
| 110 | Numerical Modeling of the Concentric Gravity Wave Seeding of Low-Latitude Nighttime Medium-Scale Traveling Ionospheric Disturbances. <i>Geophysical Research Letters</i> , 2018, 45, 6390-6399. | 4.0 | 8 |
| 111 | The Statistical Characteristics of Small-Scale Ionospheric Irregularities Observed in the Martian Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5874-5893. | 2.4 | 8 |
| 112 | Modeling the Impact of Metallic Ion Layers on Equatorial Spread With SAMI3/ESF. <i>Geophysical Research Letters</i> , 2020, 47, no. | 4.0 | 8 |
| 113 | Early Time Evolution of Turbulence in the Space Environment by Neutral Beam Injection. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027587. | 2.4 | 8 |
| 114 | Simulation study of mid-latitude ionosphere fluctuations observed at Millstone Hill. <i>Geophysical Research Letters</i> , 2003, 30, . | 4.0 | 7 |
| 115 | Propagation of whistler mode waves through the ionosphere. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 7 |
| 116 | New Systems for Space Based Monitoring of Ionospheric Irregularities and Radio Wave Scintillations. <i>Geophysical Monograph Series</i> , 2013, , 431-440. | 0.1 | 7 |
| 117 | Geospace variability during the 2008-2009 Whole Heliosphere Intervals. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 3755-3776. | 2.4 | 6 |
| 118 | On the Annual Asymmetry of High-Latitude Sporadic F. <i>Space Weather</i> , 2019, 17, 1618-1626. | 3.7 | 6 |
| 119 | Simulation of Counterstreaming H + Outflows During Plasmasphere Refilling. <i>Geophysical Research Letters</i> , 2019, 46, 3052-3060. | 4.0 | 6 |
| 120 | Strong Amplification of ELF/VLF Signals in Space Using Neutral Gas Injections From a Satellite Rocket Engine. <i>Radio Science</i> , 2021, 56, e2020RS007207. | 1.6 | 6 |
| 121 | Modeling the presunrise plasma heating in the low-to midlatitude topside ionospheres. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 5 |
| 122 | Modeling 3D artificial ionospheric ducts. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 7450-7457. | 2.4 | 5 |
| 123 | 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. | 2.4 | 5 |
| 124 | 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. | 2.4 | 5 |
| 125 | A coupled ionosphere-raytrace model for high-power HF heating. <i>Geophysical Research Letters</i> , 2015, 42, 9650-9656. | 4.0 | 5 |
| 126 | The Effect of Oxygen on the Limiting H + Flux in the Topside Ionosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 4509-4517. | 2.4 | 5 |

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|-----|---|-----|-----------|
| 127 | Isolated Peak of Oxygen Ion Fraction in the Post-noon Equatorial Region: ICON and SAMI3/WACCM-X. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029217. | 2.4 | 5 |
| 128 | The Effect of Midnight Temperature Maximum Winds on Post-Midnight Equatorial Spread F. Space Weather, 2021, 19, e2021SW002728. | 3.7 | 4 |
| 129 | High-Latitude Electrodynamics Specified in SAMI3 Using AMPERE Field-Aligned Currents. Space Weather, 2022, 20, . | 3.7 | 4 |
| 130 | Open source project to aid ionosphere physics research. Eos, 2002, 83, 188. | 0.1 | 3 |
| 131 | Does Ring Current Heating Generate the Observed O ⁺ Shell?. Geophysical Research Letters, 2020, 47, e2020GL088419. | 4.0 | 3 |
| 132 | Counterstreaming Cold H ⁺ , He ⁺ , O ⁺ , and N ⁺ Outflows in the Plasmasphere. Frontiers in Astronomy and Space Sciences, 2021, 8, . | 2.8 | 3 |
| 133 | Theory of kilometer-size density waves in the nightside Venus ionosphere. Geophysical Research Letters, 1993, 20, 2763-2766. | 4.0 | 2 |
| 134 | Forced Hall magnetic reconnection: Parametric variation of the "Newton Challenge". Physics of Plasmas, 2006, 13, 062311. | 1.9 | 2 |
| 135 | Can HF heating generate ESF bubbles?. Geophysical Research Letters, 2014, 41, 8155-8160. | 4.0 | 2 |
| 136 | Evolution of Field-Aligned Electron and Ion Densities From Whistler Mode Radio Soundings During Quiet to Moderately Active Period and Comparisons With SAMI2 Simulations. Journal of Geophysical Research: Space Physics, 2018, 123, 1356-1380. | 2.4 | 2 |
| 137 | Anomalous Transport in Current Sheets. Symposium - International Astronomical Union, 1985, 107, 315-328. | 0.1 | 1 |
| 138 | Magnetospheric resonances at low and middle latitudes. Journal of Geophysical Research: Space Physics, 2015, 120, 7718-7727. | 2.4 | 1 |
| 139 | Observations and Modeling Studies of Solar Eclipse Effects on Oblique High Frequency Radio Propagation. Space Weather, 2021, 19, e2020SW002560. | 3.7 | 1 |
| 140 | 3D Dynamics of X- and Z - Pinches. IEEE International Conference on Plasma Science, 2005, , . | 0.0 | 0 |
| 141 | The Effect of the Thermosphere on Ionosphere Outflows. Frontiers in Astronomy and Space Sciences, 2021, 8, . | 2.8 | 0 |