

Norbert Krupp

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9423638/publications.pdf>

Version: 2024-02-01

155
papers

6,251
citations

66234

42
h-index

85405

71
g-index

161
all docs

161
docs citations

161
times ranked

2387
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Jupiter ICy moons Explorer (JUICE): An ESA mission to orbit Ganymede and to characterise the Jupiter system. <i>Planetary and Space Science</i> , 2013, 78, 1-21. | 0.9 | 455 |
| 2 | Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. <i>Space Science Reviews</i> , 2004, 114, 233-329. | 3.7 | 354 |
| 3 | Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 342 |
| 4 | Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. <i>Science</i> , 2005, 307, 1270-1273. | 6.0 | 166 |
| 5 | A new form of Saturn's magnetopause using a dynamic pressure balance model, based on in situ, multi-instrument Cassini measurements. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 145 |
| 6 | Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 124 |
| 7 | Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 111 |
| 8 | Energetic particle injections in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2005, 32, n/a-n/a. | 1.5 | 109 |
| 9 | Cassini observations of a Kelvin-Helmholtz vortex in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 100 |
| 10 | Particle bursts in the Jovian magnetosphere: Evidence for a near-Jupiter neutral line. <i>Geophysical Research Letters</i> , 2002, 29, 42-1. | 1.5 | 95 |
| 11 | Mass release at Jupiter: Substorm-like processes in the Jovian magnetotail. <i>Journal of Geophysical Research</i> , 2005, 110, . | 3.3 | 94 |
| 12 | Global flows of energetic ions in Jupiter's equatorial plane: First-order approximation. <i>Journal of Geophysical Research</i> , 2001, 106, 26017-26032. | 3.3 | 92 |
| 13 | In situ observations of a solar wind compression-induced hot plasma injection in Saturn's tail. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 92 |
| 14 | Energetic particle bursts in the predawn Jovian magnetotail. <i>Geophysical Research Letters</i> , 1998, 25, 1249-1252. | 1.5 | 91 |
| 15 | Interplanetary coronal mass ejection observed at STEREO-A, Mars, comet 67P/Churyumov-Gerasimenko, Saturn, and New Horizons en route to Pluto: Comparison of its Forbush decreases at 1.4, 3.1, and 9.9 AU. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7865-7890. | 0.8 | 87 |
| 16 | Auroral Processes at the Giant Planets: Energy Deposition, Emission Mechanisms, Morphology and Spectra. <i>Space Science Reviews</i> , 2015, 187, 99-179. | 3.7 | 86 |
| 17 | A dynamic, rotating ring current around Saturn. <i>Nature</i> , 2007, 450, 1050-1053. | 13.7 | 83 |
| 18 | Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 82 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Ion conics and electron beams associated with auroral processes on Saturn. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 81 |
| 20 | Quasi-periodic modulations of the Jovian magnetotail. <i>Geophysical Research Letters</i> , 1998, 25, 1253-1256. | 1.5 | 80 |
| 21 | Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 79 |
| 22 | Sources of rotational signals in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 74 |
| 23 | In-situ observations of a neutral gas torus at Europa. <i>Geophysical Research Letters</i> , 2003, 30, . | 1.5 | 65 |
| 24 | Sources and losses of energetic protons in Saturn's magnetosphere. <i>Icarus</i> , 2008, 197, 519-525. | 1.1 | 64 |
| 25 | Electron microdiffusion in the Saturnian radiation belts: Cassini MIMI/LEMMS observations of energetic electron absorption by the icy moons. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 63 |
| 26 | A possible intrinsic mechanism for the quasi-periodic dynamics of the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 62 |
| 27 | The Source of Saturn's G Ring. <i>Science</i> , 2007, 317, 653-656. | 6.0 | 59 |
| 28 | Enceladus' Varying Imprint on the Magnetosphere of Saturn. <i>Science</i> , 2006, 311, 1412-1415. | 6.0 | 57 |
| 29 | Discovery of a transient radiation belt at Saturn. <i>Geophysical Research Letters</i> , 2008, 35, . | 1.5 | 54 |
| 30 | Charged particle periodicities in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 53 |
| 31 | The Dust Halo of Saturn's Largest Icy Moon, Rhea. <i>Science</i> , 2008, 319, 1380-1384. | 6.0 | 53 |
| 32 | Energetic particle phase space densities at Saturn: Cassini observations and interpretations. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 51 |
| 33 | Plasma and fields in the wake of Rhea: 3-D hybrid simulation and comparison with Cassini data. <i>Annales Geophysicae</i> , 2008, 26, 619-637. | 0.6 | 50 |
| 34 | A multi-instrument view of tail reconnection at Saturn. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 48 |
| 35 | Energetic electrons injected into Saturn's neutral gas cloud. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 46 |
| 36 | Processes forming and sustaining Saturn's proton radiation belts. <i>Icarus</i> , 2013, 222, 323-341. | 1.1 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Asymmetric distribution of reconnection jet fronts in the Jovian nightside magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 375-384. | 0.8 | 45 |
| 38 | Europa's near-surface radiation environment. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 44 |
| 39 | A noon-to-midnight electric field and nightside dynamics in Saturn's inner magnetosphere, using microsignature observations. <i>Icarus</i> , 2012, 220, 503-513. | 1.1 | 44 |
| 40 | Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. <i>Experimental Astronomy</i> , 2012, 33, 753-791. | 1.6 | 44 |
| 41 | Saturn's Magnetospheric Configuration. , 2009, , 203-255. | | 44 |
| 42 | Energetic particles in Saturn's magnetosphere during the Cassini nominal mission (July 2004-July 2008). <i>Journal of Geophysical Research</i> , 2009, 114, 10T07. | 0.9 | 43 |
| 43 | Plasma sheet dynamics in the Jovian magnetotail: Signatures for substorm-like processes?. <i>Geophysical Research Letters</i> , 1999, 26, 2137-2140. | 1.5 | 42 |
| 44 | Anti-planetward auroral electron beams at Saturn. <i>Nature</i> , 2006, 439, 699-702. | 13.7 | 40 |
| 45 | Long- and short-term variability of Saturn's ionic radiation belts. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 40 |
| 46 | Dynamics and seasonal variations in Saturn's magnetospheric plasma sheet, as measured by Cassini. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 40 |
| 47 | Mapping Magnetospheric Equatorial Regions at Saturn from Cassini Prime Mission Observations. <i>Space Science Reviews</i> , 2011, 164, 1-83. | 3.7 | 40 |
| 48 | A plasma pause-like density boundary at high latitudes in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2010, 37, . | 1.5 | 38 |
| 49 | Mass release process in the Jovian magnetosphere: Statistics on particle burst parameters. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 37 |
| 50 | Evidence for spiral pattern in Saturn's magnetosphere using the new SKR longitudes. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 36 |
| 51 | Quasi-periodic injections of relativistic electrons in Saturn's outer magnetosphere. <i>Icarus</i> , 2016, 263, 101-116. | 1.1 | 36 |
| 52 | Transient auroral features at Saturn: Signatures of energetic particle injections in the magnetosphere. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 35 |
| 53 | Auroral electron distributions within and close to the Saturn kilometric radiation source region. <i>Journal of Geophysical Research</i> , 2011, 116, . | 3.3 | 35 |
| 54 | Transport of energetic electrons into Saturn's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Magnetic reconnection in the Jovian tail: X-line evolution and consequent plasma sheet structures. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 34 |
| 56 | Cusp observation at Saturn's high-latitude magnetosphere by the Cassini spacecraft. <i>Geophysical Research Letters</i> , 2014, 41, 1382-1388. | 1.5 | 34 |
| 57 | Radial and local time structure of the Saturnian ring current, revealed by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1803-1815. | 0.8 | 34 |
| 58 | Energetic Ion Moments and Polytopic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on $\langle v^p \rangle$ Distribution Functions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8066-8086. | 0.8 | 34 |
| 59 | Comparison of periodic substorms at Jupiter and Earth. <i>Journal of Geophysical Research</i> , 2008, 113, . | 3.3 | 33 |
| 60 | Effects of radial motion on interchange injections at Saturn. <i>Icarus</i> , 2016, 264, 342-351. | 1.1 | 33 |
| 61 | Statistical analysis of the energetic ion and ENA data for the Titan environment. <i>Planetary and Space Science</i> , 2010, 58, 1811-1822. | 0.9 | 32 |
| 62 | Azimuthal plasma flow in the Kronian magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 32 |
| 63 | JOSE: A New Jovian Specification Environment Model. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 923-931. | 1.2 | 32 |
| 64 | Spatial and temporal dependence of the convective electric field in Saturn's inner magnetosphere. <i>Icarus</i> , 2014, 229, 57-70. | 1.1 | 32 |
| 65 | Energetic charged particle weathering of Saturn's inner satellites. <i>Planetary and Space Science</i> , 2012, 61, 60-65. | 0.9 | 31 |
| 66 | Cassini multi-instrument assessment of Saturn's polar cap boundary. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8161-8177. | 0.8 | 31 |
| 67 | Solar Energetic Particles (SEP) and Galactic Cosmic Rays (GCR) as tracers of solar wind conditions near Saturn: Event lists and applications. <i>Icarus</i> , 2018, 300, 47-71. | 1.1 | 31 |
| 68 | The extended Saturnian neutral cloud as revealed by global ENA simulations using Cassini/MIMI measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3027-3041. | 0.8 | 30 |
| 69 | Low energy electron microsignatures at the orbit of Tethys: Cassini MIMI/LEMMS observations. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 28 |
| 70 | Asymmetries in Saturn's radiation belts. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 28 |
| 71 | Evidence of Enceladus and Tethys microsignatures. <i>Geophysical Research Letters</i> , 2005, 32, . | 1.5 | 27 |
| 72 | Electron periodicities in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2007, 112, n/a-n/a. | 3.3 | 27 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Energetic ions trapped in Saturn's inner magnetosphere. <i>Planetary and Space Science</i> , 2009, 57, 1723-1731. | 0.9 | 27 |
| 74 | The variable extension of Saturn's electron radiation belts. <i>Planetary and Space Science</i> , 2014, 104, 3-17. | 0.9 | 27 |
| 75 | The vertical thickness of Jupiter's Europa gas torus from charged particle measurements. <i>Geophysical Research Letters</i> , 2016, 43, 9425-9433. | 1.5 | 27 |
| 76 | Statistical analysis and multi-instrument overview of the quasi-periodic 1-hour pulsations in Saturn's outer magnetosphere. <i>Icarus</i> , 2016, 271, 1-18. | 1.1 | 27 |
| 77 | A radiation belt of energetic protons located between Saturn and its rings. <i>Science</i> , 2018, 362, . | 6.0 | 27 |
| 78 | Drift-resonant, relativistic electron acceleration at the outer planets: Insights from the response of Saturn's radiation belts to magnetospheric storms. <i>Icarus</i> , 2018, 305, 160-173. | 1.1 | 26 |
| 79 | Leakage of energetic particles from Jupiter's dusk magnetosphere: Dual spacecraft observations. <i>Geophysical Research Letters</i> , 2002, 29, 26-1-26-4. | 1.5 | 25 |
| 80 | Pitch angle distributions of energetic electrons at Saturn. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 25 |
| 81 | Evolution of electron pitch angle distributions across Saturn's middle magnetospheric region from MIMI/LEMMS. <i>Planetary and Space Science</i> , 2014, 104, 18-28. | 0.9 | 25 |
| 82 | A summary of observational records on periodicities above the rotational period in the Jovian magnetosphere. <i>Annales Geophysicae</i> , 2009, 27, 2565-2573. | 0.6 | 24 |
| 83 | Energetic electron observations of Rhea's magnetospheric interaction. <i>Icarus</i> , 2012, 221, 116-134. | 1.1 | 24 |
| 84 | The lens feature on the inner saturnian satellites. <i>Icarus</i> , 2014, 234, 155-161. | 1.1 | 24 |
| 85 | Access of energetic particles to Titan's exobase: A study of Cassini's T9 flyby. <i>Planetary and Space Science</i> , 2016, 130, 40-53. | 0.9 | 24 |
| 86 | Close Cassini flybys of Saturn's ring moons Pan, Daphnis, Atlas, Pandora, and Epimetheus. <i>Science</i> , 2019, 364, . | 6.0 | 24 |
| 87 | Changes of the energetic particles characteristics in the inner part of the Jovian magnetosphere: a topological study. <i>Planetary and Space Science</i> , 2004, 52, 491-498. | 0.9 | 23 |
| 88 | Spin-period effects in magnetospheres with no axial tilt. <i>Geophysical Research Letters</i> , 2007, 34, . | 1.5 | 23 |
| 89 | Magnetospheric considerations for solar system ice state. <i>Icarus</i> , 2018, 302, 560-564. | 1.1 | 23 |
| 90 | Determination of the neutral number density in the Io torus from Galileo-EPD measurements. <i>Geophysical Research Letters</i> , 1998, 25, 4039-4042. | 1.5 | 22 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Energetic electron signatures of Saturn's smaller moons: Evidence of an arc of material at Methone. <i>Icarus</i> , 2008, 193, 455-464. | 1.1 | 22 |
| 92 | Local time asymmetry of energetic ion anisotropies in the Jovian magnetosphere. <i>Planetary and Space Science</i> , 2001, 49, 283-289. | 0.9 | 21 |
| 93 | Field-aligned beams and reconnection in the jovian magnetotail. <i>Icarus</i> , 2012, 217, 55-65. | 1.1 | 21 |
| 94 | An Active Plume Eruption on Europa During Galileo Flyby E26 as Indicated by Energetic Proton Depletions. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087806. | 1.5 | 21 |
| 95 | Long- and Short-term Variability of Galactic Cosmic-Ray Radial Intensity Gradients between 1 and 9.5 au: Observations by Cassini, BESS, BESS-Polar, PAMELA, and AMS-02. <i>Astrophysical Journal</i> , 2020, 904, 165. | 1.6 | 20 |
| 96 | The Formation of Saturn's and Jupiter's Electron Radiation Belts by Magnetospheric Electric Fields. <i>Astrophysical Journal Letters</i> , 2020, 905, L10. | 3.0 | 20 |
| 97 | Energetic particles in the duskside Jovian Magnetosphere. <i>Journal of Geophysical Research</i> , 1999, 104, 14767-14780. | 3.3 | 19 |
| 98 | Jovian plasma sheet morphology: particle and field observations by the Galileo spacecraft. <i>Planetary and Space Science</i> , 2005, 53, 681-692. | 0.9 | 19 |
| 99 | Saturn's magnetospheric refresh rate. <i>Geophysical Research Letters</i> , 2013, 40, 2479-2483. | 1.5 | 18 |
| 100 | The evolution of Saturn's radiation belts modulated by changes in radial diffusion. <i>Nature Astronomy</i> , 2017, 1, 872-877. | 4.2 | 18 |
| 101 | Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. , 2004, , 233-329. | | 18 |
| 102 | Surface charging of Saturn's plasma-absorbing moons. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 17 |
| 103 | Numerical simulation of energetic electron microsignature drifts at Saturn: Methods and applications. <i>Icarus</i> , 2013, 226, 1595-1611. | 1.1 | 17 |
| 104 | Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 3006-3030. | 0.8 | 17 |
| 105 | Energetic particle measurements in the vicinity of Dione during the three Cassini encounters 2005-2011. <i>Icarus</i> , 2013, 226, 617-628. | 1.1 | 16 |
| 106 | Modeling of the energetic ion observations in the vicinity of Rhea and Dione. <i>Icarus</i> , 2015, 258, 402-417. | 1.1 | 15 |
| 107 | The Cassini Enceladus encounters 2005-2010 in the view of energetic electron measurements. <i>Icarus</i> , 2012, 218, 433-447. | 1.1 | 14 |
| 108 | Heliospheric Conditions at Saturn During Cassini's Ring-Grazing and Proximal Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 10812-10818. | 1.5 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Recurrent Magnetic Dipolarization at Saturn: Revealed by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8502-8517. | 0.8 | 14 |
| 110 | Saturn's Nightside Dynamics During Cassini's F Ring and Proximal Orbits: Response to Solar Wind and Planetary Period Oscillation Modulations. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA027907. | 0.8 | 14 |
| 111 | Sources, Sinks, and Transport of Energetic Electrons Near Saturn's Main Rings. <i>Geophysical Research Letters</i> , 2019, 46, 3590-3598. | 1.5 | 13 |
| 112 | Energetic Particles in the Magnetosphere of Saturn and a Comparison with Jupiter. <i>Space Science Reviews</i> , 2005, 116, 345-369. | 3.7 | 12 |
| 113 | MeV proton flux predictions near Saturn's D ring. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8586-8602. | 0.8 | 12 |
| 114 | Cassini plasma observations of Saturn's magnetospheric cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 12,047. | 0.8 | 12 |
| 115 | Evidence for dust-driven, radial plasma transport in Saturn's inner radiation belts. <i>Icarus</i> , 2016, 274, 272-283. | 1.1 | 12 |
| 116 | Spectral Signatures of Adiabatic Electron Acceleration at Saturn Through Corotation Drift Cancellation. <i>Geophysical Research Letters</i> , 2019, 46, 10240-10249. | 1.5 | 12 |
| 117 | Io's Effect on Energetic Charged Particles as Seen in Juno Data. <i>Geophysical Research Letters</i> , 2019, 46, 13615-13620. | 1.5 | 12 |
| 118 | Analysis of a sequence of energetic ion and magnetic field events upstream from the Saturnian magnetosphere. <i>Planetary and Space Science</i> , 2009, 57, 1785-1794. | 0.9 | 11 |
| 119 | Survey of pickup ion signatures in the vicinity of Titan using CAPS/IMS. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 8317-8328. | 0.8 | 11 |
| 120 | The in-situ exploration of Jupiter's radiation belts. <i>Experimental Astronomy</i> , 2022, 54, 745-789. | 1.6 | 11 |
| 121 | A source of very energetic oxygen located in Jupiter's inner radiation belts. <i>Science Advances</i> , 2022, 8, eabm4234. | 4.7 | 11 |
| 122 | Energetic electron spectra in Saturn's plasma sheet. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 10 |
| 123 | On the in-situ detectability of Europa's water vapour plumes from a flyby mission. <i>Icarus</i> , 2017, 289, 270-280. | 1.1 | 10 |
| 124 | Auroral Storm and Polar Arcs at Saturn's Final Cassini/UVIS Auroral Observations. <i>Geophysical Research Letters</i> , 2018, 45, 6832-6842. | 1.5 | 10 |
| 125 | Sustaining Saturn's Electron Radiation Belts Through Episodic, Global-scale Relativistic Electron Flux Enhancements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027621. | 0.8 | 10 |
| 126 | Saturn's Inner Magnetospheric Convection in the View of Zebra Stripe Patterns in Energetic Electron Spectra. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029600. | 0.8 | 10 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Saturn's hinge parameter from Cassini magnetotail passes in 2013â€“2014. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 4438-4445. | 0.8 | 9 |
| 128 | Saturn's Innermost Radiation Belt Throughout and Inward of the Dâ€™Ring. <i>Geophysical Research Letters</i> , 2018, 45, 10,912. | 1.5 | 9 |
| 129 | Galactic Cosmic Rays Access to the Magnetosphere of Saturn. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 166-177. | 0.8 | 9 |
| 130 | Magnetospheric Interactions of Saturn's Moon Dione (2005â€“2015). <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027688. | 0.8 | 9 |
| 131 | Environments in the Outer Solar System. <i>Space Science Reviews</i> , 2010, 153, 11-59. | 3.7 | 8 |
| 132 | Properties of energetic particle bursts at dawnside magnetosheath: Cassini observations during the 1999 Earth swing-by. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 8 |
| 133 | Statistical Study of the Energetic Proton Environment at Titan's Orbit From the Cassini Spacecraft. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 4820-4834. | 0.8 | 8 |
| 134 | Energetic Neutral and Charged Particle Measurements in the Inner Saturnian Magnetosphere During the Grand Finale Orbits of Cassini 2016/2017. <i>Geophysical Research Letters</i> , 2018, 45, 10,847. | 1.5 | 8 |
| 135 | Jovian Cosmic-Ray Protons in the Heliosphere: Constraints by Cassini Observations. <i>Astrophysical Journal</i> , 2019, 871, 223. | 1.6 | 8 |
| 136 | Inflow Speed Analysis of Interchange Injections in Saturn's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2020JA028299. | 0.8 | 7 |
| 137 | Cassini Observation of Relativistic Electron Butterfly Distributions in Saturnâ€™s Inner Radiation Belts: Evidence for Acceleration by Local Processes. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092690. | 1.5 | 7 |
| 138 | Callisto's Atmosphere and Its Space Environment: Prospects for the Particle Environment Package on Board JUICE. <i>Earth and Space Science</i> , 2022, 9, . | 1.1 | 6 |
| 139 | Energetic Electron Pitch Angle Distributions During the Cassini Final Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 2911-2917. | 1.5 | 5 |
| 140 | Zebra Stripe Patterns in Energetic Ion Spectra at Saturn. <i>Geophysical Research Letters</i> , 2022, 49, . | 1.5 | 5 |
| 141 | Ulysses observations of energetic H ³⁺ ions in Jupiter's magnetosphere. <i>Advances in Space Research</i> , 1997, 20, 229-232. | 1.2 | 4 |
| 142 | New Surprises in the Largest Magnetosphere of Our Solar System. <i>Science</i> , 2007, 318, 216-217. | 6.0 | 4 |
| 143 | Energetic electron measurements near Enceladus by Cassini during 2005â€“2015. <i>Icarus</i> , 2018, 306, 256-274. | 1.1 | 4 |
| 144 | Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 6798-6804. | 1.5 | 4 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Long-standing Small-scale Reconnection Processes at Saturn Revealed by Cassini. <i>Astrophysical Journal Letters</i> , 2019, 884, L14. | 3.0 | 4 |
| 146 | Large-scale episodic enhancements of relativistic electron intensities in Jupiter's radiation belt. <i>Earth and Planetary Physics</i> , 2021, 5, 1-13. | 0.4 | 4 |
| 147 | Spectra of Saturn's proton belts revealed. <i>Icarus</i> , 2022, 376, 114795. | 1.1 | 4 |
| 148 | Reply to Comment on "An Active Plume Eruption on Europa During Galileo Flyby E26 as Indicated by Energetic Proton Depletions". <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095240. | 1.5 | 3 |
| 149 | A Rotating Azimuthally Distributed Auroral Current System on Saturn Revealed by the Cassini Spacecraft. <i>Astrophysical Journal Letters</i> , 2021, 919, L25. | 3.0 | 3 |
| 150 | Giant magnetospheres in our solar system: Jupiter and Saturn compared. <i>Astronomy and Astrophysics Review</i> , 2014, 22, 1. | 9.1 | 2 |
| 151 | Global Configuration and Seasonal Variations of Saturn's Magnetosphere. , 2018, , 126-165. | | 2 |
| 152 | Comparison of Plasma Sources in Solar System Magnetospheres. <i>Space Science Reviews</i> , 2015, 192, 285-295. | 3.7 | 1 |
| 153 | Corotation Plasma Environment Model: An Empirical Probability Model of the Jovian Magnetosphere. <i>IEEE Transactions on Plasma Science</i> , 2018, 46, 2126-2145. | 0.6 | 1 |
| 154 | Dawn-Dusk Asymmetry in Energetic (>20 keV) Particles Adjacent to Saturn's Magnetopause. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2020JA028264. | 0.8 | 1 |
| 155 | Environments in the Outer Solar System. <i>Space Sciences Series of ISSI</i> , 2010, , 11-59. | 0.0 | 0 |