

Joachim Saur

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7857341/publications.pdf>

Version: 2024-02-01

143
papers

6,234
citations

66343

42
h-index

88630

70
g-index

161
all docs

161
docs citations

161
times ranked

3120
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Enceladus as a potential oasis for life: Science goals and investigations for future explorations. <i>Experimental Astronomy</i> , 2022, 54, 809-847. | 3.7 | 5 |
| 2 | Alternating Emission Features in Io's Footprint Tail: Magnetohydrodynamical Simulations of Possible Causes. <i>Journal of Geophysical Research: Space Physics</i> , 2022, 127, . | 2.4 | 9 |
| 3 | Juno Plasma Wave Observations at Ganymede. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 13 |
| 4 | Mapping the Brightness of Ganymede's Ultraviolet Aurora Using Hubble Space Telescope Observations. <i>Journal of Geophysical Research E: Planets</i> , 2022, 127, . | 3.6 | 3 |
| 5 | Plasma Observations During the 7 June 2021 Ganymede Flyby From the Jovian Auroral Distributions Experiment (JADE) on Juno. <i>Geophysical Research Letters</i> , 2022, 49, . | 4.0 | 16 |
| 6 | Automated Noninvasive Central Blood Pressure Measurements by Oscillometric Radial Pulse Wave Analysis: Results of the MEASURE-cBP Validation Studies. <i>American Journal of Hypertension</i> , 2021, 34, 383-393. | 2.0 | 6 |
| 7 | Multiple breath washout (MBW) testing using sulfur hexafluoride: reference values and influence of anthropometric parameters. <i>Thorax</i> , 2021, 76, 380-386. | 5.6 | 3 |
| 8 | Turbulence in the Magnetospheres of the Outer Planets. <i>Frontiers in Astronomy and Space Sciences</i> , 2021, 8, . | 2.8 | 6 |
| 9 | A sublimated water atmosphere on Ganymede detected from Hubble Space Telescope observations. <i>Nature Astronomy</i> , 2021, 5, 1043-1051. | 10.1 | 24 |
| 10 | Brown dwarfs as ideal candidates for detecting UV aurora outside the Solar System: <i>Hubble</i> Space Telescope observations of 2MASS J1237+6526. <i>Astronomy and Astrophysics</i> , 2021, 655, A75. | 5.1 | 8 |
| 11 | Electron Partial Density and Temperature Over Jupiter's Main Auroral Emission Using Juno Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2021, 126, e2021JA029426. | 2.4 | 11 |
| 12 | An entropy stable nodal discontinuous Galerkin method for the resistive MHD equations. Part I: Theory and numerical verification. <i>Journal of Computational Physics</i> , 2020, 422, 108076. | 3.8 | 30 |
| 13 | Proton Acceleration by Io's Alfvénic Interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027314. | 2.4 | 18 |
| 14 | A New Framework to Explain Changes in Io's Footprint Tail Electron Fluxes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089267. | 4.0 | 25 |
| 15 | Wave-Particle Interactions Associated With Io's Auroral Footprint: Evidence of Alfvénic, Ion Cyclotron, and Whistler Modes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088432. | 4.0 | 34 |
| 16 | An attempt to detect transient changes in Io's SO ₂ and NaCl atmosphere. <i>Icarus</i> , 2020, 350, 113925. | 2.5 | 16 |
| 17 | First Report of Electron Measurements During a Europa Footprint Tail Crossing by Juno. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL089732. | 4.0 | 17 |
| 18 | An Analysis of the Statistics and Systematics of Limb Anomaly Detections in HST/STIS Transit Images of Europa. <i>Astronomical Journal</i> , 2020, 159, 155. | 4.7 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Energy Flux and Characteristic Energy of Electrons Over Jupiter's Main Auroral Emission. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027693. | 2.4 | 37 |
| 20 | Joint Europa Mission (JEM): a multi-scale study of Europa to characterize its habitability and search for extant life. <i>Planetary and Space Science</i> , 2020, 193, 104960. | 1.7 | 15 |
| 21 | Ice-Ocean Exchange Processes in the Jovian and Saturnian Satellites. <i>Space Science Reviews</i> , 2020, 216, 1. | 8.1 | 43 |
| 22 | Alfvénic Acceleration Sustains Ganymede's Footprint Tail Aurora. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086527. | 4.0 | 25 |
| 23 | Feasibility and clinical applications of multiple breath wash-out (MBW) testing using sulphur hexafluoride in adults with bronchial asthma. <i>Scientific Reports</i> , 2020, 10, 1527. | 3.3 | 7 |
| 24 | Large Ocean Worlds with High-Pressure Ices. <i>Space Science Reviews</i> , 2020, 216, 1. | 8.1 | 62 |
| 25 | Experimental and Simulation Efforts in the Astrobiological Exploration of Exooceans. <i>Space Science Reviews</i> , 2020, 216, 9. | 8.1 | 25 |
| 26 | Energetic Proton Acceleration Associated With Io's Footprint Tail. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL090839. | 4.0 | 16 |
| 27 | Birkeland currents in Jupiter's magnetosphere observed by the polar-orbiting Juno spacecraft. <i>Nature Astronomy</i> , 2019, 3, 904-909. | 10.1 | 40 |
| 28 | Juno's UVS Observation of the Io Footprint During Solar Eclipse. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 5184-5199. | 2.4 | 19 |
| 29 | Time-variable Electromagnetic Star-Planet Interaction: The TRAPPIST-1 System as an Exemplary Case. <i>Astrophysical Journal</i> , 2019, 872, 113. | 4.5 | 21 |
| 30 | Cardiovascular Comorbidities in Chronic Obstructive Pulmonary Disease (COPD) – Current Considerations for Clinical Practice. <i>Journal of Clinical Medicine</i> , 2019, 8, 69. | 2.4 | 40 |
| 31 | Towards a Global Unified Model of Europa's Tenuous Atmosphere. <i>Space Science Reviews</i> , 2018, 214, 1. | 8.1 | 36 |
| 32 | Modeling Magnetospheric Fields in the Jupiter System. <i>Astrophysics and Space Science Library</i> , 2018, , 153-182. | 2.7 | 2 |
| 33 | Jupiter's Aurora Observed With HST During Juno Orbits 3 to 7. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 3299-3319. | 2.4 | 53 |
| 34 | The UV Spectrum of the Ultracool Dwarf LSR J1835+3259 Observed with the Hubble Space Telescope. <i>Astrophysical Journal</i> , 2018, 859, 74. | 4.5 | 8 |
| 35 | MHD Modeling of the Plasma Interaction With Io's Asymmetric Atmosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9286-9311. | 2.4 | 36 |
| 36 | Precipitating Electron Energy Flux and Characteristic Energies in Jupiter's Main Auroral Region as Measured by Juno/JEDI. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 7554-7567. | 2.4 | 42 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | Small Airway Disease in Pulmonary Hypertension—Additional Diagnostic Value of Multiple Breath Washout and Impulse Oscillometry. <i>Journal of Clinical Medicine</i> , 2018, 7, 532. | 2.4 | 9 |
| 38 | Electromagnetic Coupling in Star-Planet Systems. , 2018, , 1877-1893. | | 2 |
| 39 | Wave-Particle Interaction of Alfvén Waves in Jupiter's Magnetosphere: Auroral and Magnetospheric Particle Acceleration. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 9560-9573. | 2.4 | 64 |
| 40 | In Situ Observations Connected to the Io Footprint Tail Aurora. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 3061-3077. | 3.6 | 48 |
| 41 | The Far-UV Albedo of Europa From HST Observations. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 1327-1342. | 3.6 | 7 |
| 42 | Juno observations of spot structures and a split tail in Io-induced aurorae on Jupiter. <i>Science</i> , 2018, 361, 774-777. | 12.6 | 53 |
| 43 | Time to Exhale: Additional Value of Expiratory Chest CT in Chronic Obstructive Pulmonary Disease. <i>Canadian Respiratory Journal</i> , 2018, 2018, 1-9. | 1.6 | 13 |
| 44 | Similarity of the Jovian satellite footprints: Spots multiplicity and dynamics. <i>Icarus</i> , 2017, 292, 208-217. | 2.5 | 23 |
| 45 | How is the Jovian main auroral emission affected by the solar wind?. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1960-1978. | 2.4 | 39 |
| 46 | A Model for Dissipation of Solar Wind Magnetic Turbulence by Kinetic Alfvén Waves at Electron Scales: Comparison with Observations. <i>Astrophysical Journal</i> , 2017, 835, 133. | 4.5 | 13 |
| 47 | Morphology of Ganymede's FUV auroral ovals. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 2855-2876. | 2.4 | 12 |
| 48 | Constraints on Io's interior from auroral spot oscillations. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1903-1927. | 2.4 | 23 |
| 49 | Spatial Distribution and Properties of 0.1–100 keV Electrons in Jupiter's Polar Auroral Region. <i>Geophysical Research Letters</i> , 2017, 44, 9199-9207. | 4.0 | 34 |
| 50 | Energetic particle signatures of magnetic field-aligned potentials over Jupiter's polar regions. <i>Geophysical Research Letters</i> , 2017, 44, 8703-8711. | 4.0 | 41 |
| 51 | Phase-coherence classification: A new wavelet-based method to separate local field potentials into local (in)coherent and volume-conducted components. <i>Journal of Neuroscience Methods</i> , 2017, 291, 198-212. | 2.5 | 3 |
| 52 | The tails of the satellite auroral footprints at Jupiter. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 7985-7996. | 2.4 | 57 |
| 53 | Induction signals from Callisto's ionosphere and their implications on a possible subsurface ocean. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 11,677. | 2.4 | 35 |
| 54 | New constraints on Ganymede's hydrogen corona: Analysis of Lyman- α emissions observed by HST/STIS between 1998 and 2014. <i>Planetary and Space Science</i> , 2017, 148, 35-44. | 1.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | The Uncertainty of Local Background Magnetic Field Orientation in Anisotropic Plasma Turbulence. <i>Astrophysical Journal</i> , 2017, 843, 5. | 4.5 | 11 |
| 56 | Structure and density of Callisto's atmosphere from a fluid-kinetic model of its ionosphere: Comparison with Hubble Space Telescope and Galileo observations. <i>Icarus</i> , 2017, 282, 237-259. | 2.5 | 23 |
| 57 | Electromagnetic Coupling in Star-Planet Systems. , 2017, , 1-17. | | 0 |
| 58 | Multiple breath washout testing in adults with pulmonary disease and healthy controls " can fewer measurements eventually be more?. <i>BMC Pulmonary Medicine</i> , 2017, 17, 185. | 2.0 | 5 |
| 59 | Comparison of Bioreactance Non-Invasive Cardiac Output Measurements with Cardiac Magnetic Resonance Imaging. <i>Anaesthesia and Intensive Care</i> , 2016, 44, 769-776. | 0.7 | 9 |
| 60 | Constraints on an exosphere at Ceres from Hubble Space Telescope observations. <i>Geophysical Research Letters</i> , 2016, 43, 2465-2472. | 4.0 | 19 |
| 61 | Europa's far ultraviolet oxygen aurora from a comprehensive set of HST observations. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 2143-2170. | 2.4 | 54 |
| 62 | Europa's plasma interaction with an inhomogeneous atmosphere: Development of Alfvén winglets within the Alfvén wings. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 9794-9828. | 2.4 | 36 |
| 63 | Longitudinal and local time asymmetries of magnetospheric turbulence in Saturn's plasma sheet. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4119-4134. | 2.4 | 10 |
| 64 | Comparison of electrical velocimetry and cardiac magnetic resonance imaging for the non-invasive determination of cardiac output. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 399-408. | 1.6 | 19 |
| 65 | Simulations of the Earth's magnetosphere embedded in sub-Alfvénic solar wind on 24 and 25 May 2002. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 8517-8528. | 2.4 | 15 |
| 66 | The search for a subsurface ocean in Ganymede with Hubble Space Telescope observations of its auroral ovals. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 1715-1737. | 2.4 | 128 |
| 67 | FORWARD MODELING OF REDUCED POWER SPECTRA FROM THREE-DIMENSIONAL K-SPACE. <i>Astrophysical Journal</i> , 2015, 806, 116. | 4.5 | 10 |
| 68 | Turbulent magnetic field fluctuations in Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2797-2818. | 2.4 | 41 |
| 69 | Discontinuities in the magnetic field near Enceladus. <i>Geophysical Research Letters</i> , 2014, 41, 3359-3366. | 4.0 | 13 |
| 70 | Consistent boundary conditions at nonconducting surfaces of planetary bodies: Applications in a new Ganymede MHD model. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 4412-4440. | 2.4 | 38 |
| 71 | The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. <i>Planetary and Space Science</i> , 2014, 104, 122-140. | 1.7 | 56 |
| 72 | Orbital apocenter is not a sufficient condition for HST/STIS detection of Europa's water vapor aurora. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5123-32. | 7.1 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 73 | A phenomenological model of Io's UV aurora based on HST/STIS observations. <i>Icarus</i> , 2014, 228, 386-406. | 2.5 | 24 |
| 74 | Transient Water Vapor at Europa's South Pole. <i>Science</i> , 2014, 343, 171-174. | 12.6 | 401 |
| 75 | Ion densities and magnetic signatures of dust pickup at Enceladus. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 2740-2774. | 2.4 | 38 |
| 76 | Evolution of the Io footprint brightness I: Far-UV observations. <i>Planetary and Space Science</i> , 2013, 88, 64-75. | 1.7 | 32 |
| 77 | Exospheric O ₂ densities at Europa during different orbital phases. <i>Planetary and Space Science</i> , 2013, 88, 42-52. | 1.7 | 40 |
| 78 | Structure of Titan's induced magnetosphere under varying background magnetic field conditions: Survey of Cassini magnetometer data from flybys T85. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 1679-1699. | 2.4 | 30 |
| 79 | Modeling Jupiter's magnetosphere: Influence of the internal sources. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2157-2172. | 2.4 | 45 |
| 80 | Energetic aspects of Enceladus' magnetospheric interaction. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 3430-3445. | 2.4 | 8 |
| 81 | Aurora on Ganymede. <i>Journal of Geophysical Research: Space Physics</i> , 2013, 118, 2043-2054. | 2.4 | 58 |
| 82 | Magnetic energy fluxes in sub-Alfvénic planet star and moon planet interactions. <i>Astronomy and Astrophysics</i> , 2013, 552, A119. | 5.1 | 128 |
| 83 | Observational evidence of Alfvén wings at the Earth. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 33 |
| 84 | OSS (Outer Solar System): a fundamental and planetary physics mission to Neptune, Triton and the Kuiper Belt. <i>Experimental Astronomy</i> , 2012, 34, 203-242. | 3.7 | 37 |
| 85 | Analysis of Cassini magnetic field observations over the poles of Rhea. <i>Journal of Geophysical Research</i> , 2012, 117, . | 3.3 | 30 |
| 86 | Uranus Pathfinder: exploring the origins and evolution of Ice Giant planets. <i>Experimental Astronomy</i> , 2012, 33, 753-791. | 3.7 | 44 |
| 87 | Influence of negatively charged plume grains and hemisphere coupling currents on the structure of Enceladus' Alfvén wings: Analytical modeling of Cassini magnetometer observations. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 50 |
| 88 | Magnetic signatures of a tenuous atmosphere at Dione. <i>Geophysical Research Letters</i> , 2011, 38, . | 4.0 | 31 |
| 89 | Influence of negatively charged plume grains on the structure of Enceladus' Alfvén wings: Hybrid simulations versus Cassini Magnetometer data. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a. | 3.3 | 56 |
| 90 | HUBBLE SPACE TELESCOPE/ADVANCED CAMERA FOR SURVEYS OBSERVATIONS OF EUROPA'S ATMOSPHERIC ULTRAVIOLET EMISSION AT EASTERN ELONGATION. <i>Astrophysical Journal</i> , 2011, 738, 153. | 4.5 | 34 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011, 472, 331-333. | 27.8 | 82 |
| 92 | Multi-frequency electromagnetic sounding of the Galilean moons. <i>Icarus</i> , 2011, 214, 477-494. | 2.5 | 46 |
| 93 | Simulation of Io's auroral emission: Constraints on the atmosphere in eclipse. <i>Icarus</i> , 2011, 214, 495-509. | 2.5 | 26 |
| 94 | Induced Magnetic Fields in Solar System Bodies. <i>Space Science Reviews</i> , 2010, 152, 391-421. | 8.1 | 58 |
| 95 | Titan's highly dynamic magnetic environment: A systematic survey of Cassini magnetometer observations from flybys TA62. <i>Planetary and Space Science</i> , 2010, 58, 1230-1251. | 1.7 | 68 |
| 96 | Magnetic field fossilization and tail reconfiguration in Titan's plasma environment during a magnetopause passage: 3D adaptive hybrid code simulations. <i>Planetary and Space Science</i> , 2010, 58, 1526-1546. | 1.7 | 18 |
| 97 | Solar wind turbulent spectrum from MHD to electron scales. <i>AIP Conference Proceedings</i> , 2010, , . | 0.4 | 12 |
| 98 | Location and spatial shape of electron beams in Io's wake. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 29 |
| 99 | Energetic neutral atoms from Titan: Particle simulations in draped magnetic and electric fields. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 13 |
| 100 | Azimuthal plasma flow in the Kronian magnetosphere. <i>Journal of Geophysical Research</i> , 2010, 115, . | 3.3 | 32 |
| 101 | Titan's plasma environment during a magnetosheath excursion: Real-time scenarios for Cassini's T32 flyby from a hybrid simulation. <i>Annales Geophysicae</i> , 2009, 27, 669-685. | 1.6 | 18 |
| 102 | Universality of Solar-Wind Turbulent Spectrum from MHD to Electron Scales. <i>Physical Review Letters</i> , 2009, 103, 165003. | 7.8 | 355 |
| 103 | TandEM: Titan and Enceladus mission. <i>Experimental Astronomy</i> , 2009, 23, 893-946. | 3.7 | 77 |
| 104 | The plasma interaction of Enceladus: 3D hybrid simulations and comparison with Cassini MAG data. <i>Planetary and Space Science</i> , 2009, 57, 2113-2122. | 1.7 | 51 |
| 105 | Plasma wake of Tethys: Hybrid simulations versus Cassini MAG data. <i>Geophysical Research Letters</i> , 2009, 36, . | 4.0 | 35 |
| 106 | Ion conics and electron beams associated with auroral processes on Saturn. <i>Journal of Geophysical Research</i> , 2009, 114, . | 3.3 | 81 |
| 107 | Auroral Processes. , 2009, , 333-374. | | 34 |
| 108 | Induced Magnetic Fields in Solar System Bodies. <i>Space Sciences Series of ISSI</i> , 2009, , 391-421. | 0.0 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 109 | UV Io footprint leading spot: A key feature for understanding the UV Io footprint multiplicity?. Geophysical Research Letters, 2008, 35, . | 4.0 | 84 |
| 110 | Influence of the internally induced magnetic field on the plasma interaction of Europa. Journal of Geophysical Research, 2008, 113, . | 3.3 | 39 |
| 111 | Alfvén vortices in Saturn's magnetosheath: Cassini observations. Geophysical Research Letters, 2008, 35, . | 4.0 | 27 |
| 112 | Evidence for temporal variability of Enceladus' gas jets: Modeling of Cassini observations. Geophysical Research Letters, 2008, 35, . | 4.0 | 78 |
| 113 | The Dust Halo of Saturn's Largest Icy Moon, Rhea. Science, 2008, 319, 1380-1384. | 12.6 | 53 |
| 114 | Io's Atmospheric Response to Eclipse: UV Aurorae Observations. Science, 2007, 318, 237-240. | 12.6 | 41 |
| 115 | Ultraviolet Io footprint short timescale dynamics. Geophysical Research Letters, 2007, 34, . | 4.0 | 20 |
| 116 | Io's nonlinear MHD-wave field in the heterogeneous Jovian magnetosphere. Geophysical Research Letters, 2007, 34, . | 4.0 | 52 |
| 117 | Equatorial electron beams and auroral structuring at Jupiter. Journal of Geophysical Research, 2007, 112, . | 3.3 | 37 |
| 118 | Hemisphere coupling in Enceladus' asymmetric plasma interaction. Journal of Geophysical Research, 2007, 112, . | 3.3 | 35 |
| 119 | Time-varying interaction of Europa with the jovian magnetosphere: Constraints on the conductivity of Europa's subsurface ocean. Icarus, 2007, 192, 41-55. | 2.5 | 71 |
| 120 | Titan's near magnetotail from magnetic field and electron plasma observations and modeling: Cassini flybys TA, TB, and T3. Journal of Geophysical Research, 2006, 111, . | 3.3 | 82 |
| 121 | Identification of a Dynamic Atmosphere at Enceladus with the Cassini Magnetometer. Science, 2006, 311, 1406-1409. | 12.6 | 338 |
| 122 | Anti-planetward auroral electron beams at Saturn. Nature, 2006, 439, 699-702. | 27.8 | 40 |
| 123 | Atmospheres and Plasma Interactions at Saturn's Largest Inner Icy Satellites. Astrophysical Journal, 2005, 620, L115-L118. | 4.5 | 32 |
| 124 | Dynamics of Saturn's Magnetosphere from MIMI During Cassini's Orbital Insertion. Science, 2005, 307, 1270-1273. | 12.6 | 166 |
| 125 | Energetic particle injections in Saturn's magnetosphere. Geophysical Research Letters, 2005, 32, n/a-n/a. | 4.0 | 109 |
| 126 | Evidence of Enceladus and Tethys microsignatures. Geophysical Research Letters, 2005, 32, . | 4.0 | 27 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Cassini observations of Io's visible aurorae. <i>Icarus</i> , 2004, 172, 127-140. | 2.5 | 55 |
| 128 | Relative contributions of sublimation and volcanoes to Io's atmosphere inferred from its plasma interaction during solar eclipse. <i>Icarus</i> , 2004, 171, 411-420. | 2.5 | 39 |
| 129 | A model of Io's local electric field for a combined Alfvénic and unipolar inductor far-field coupling. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 44 |
| 130 | A model for the azimuthal plasma velocity in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2004, 109, . | 3.3 | 48 |
| 131 | Turbulent Heating of Jupiter's Middle Magnetosphere. <i>Astrophysical Journal</i> , 2004, 602, L137-L140. | 4.5 | 41 |
| 132 | The ion mass loading rate at Io. <i>Icarus</i> , 2003, 163, 456-468. | 2.5 | 42 |
| 133 | An acceleration mechanism for the generation of the main auroral oval on Jupiter. <i>Geophysical Research Letters</i> , 2003, 30, n/a-n/a. | 4.0 | 33 |
| 134 | Correction to "An acceleration mechanism for the generation of the main auroral oval on Jupiter". <i>Geophysical Research Letters</i> , 2003, 30, . | 4.0 | 11 |
| 135 | [ITAL]Hubble Space Telescope[/ITAL] Space Telescope Imaging Spectrograph Search for an Atmosphere on Callisto: A Jovian Unipolar Inductor. <i>Astrophysical Journal</i> , 2002, 581, L51-L54. | 4.5 | 40 |
| 136 | Interpretation of Galileo's Io plasma and field observations: I0, I24, and I27 flybys and close polar passes. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 5-1-SMP 5-18. | 3.3 | 56 |
| 137 | Evidence for weak MHD turbulence in the middle magnetosphere of Jupiter. <i>Astronomy and Astrophysics</i> , 2002, 386, 699-708. | 5.1 | 86 |
| 138 | Io's ultraviolet aurora: Remote sensing of Io's interaction. <i>Geophysical Research Letters</i> , 2000, 27, 2893-2896. | 4.0 | 43 |
| 139 | Geometry of low-frequency solar wind magnetic turbulence: Evidence for radially aligned Alfvénic fluctuations. <i>Journal of Geophysical Research</i> , 1999, 104, 9975-9988. | 3.3 | 55 |
| 140 | Three-dimensional plasma simulation of Io's interaction with the Io plasma torus: Asymmetric plasma flow. <i>Journal of Geophysical Research</i> , 1999, 104, 25105-25126. | 3.3 | 126 |
| 141 | Interaction of the Jovian magnetosphere with Europa: Constraints on the neutral atmosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 19947-19962. | 3.3 | 175 |
| 142 | A Case for Electron-Astrophysics. <i>Experimental Astronomy</i> , 0, , 1. | 3.7 | 11 |
| 143 | Enceladus and Titan: emerging worlds of the Solar System. <i>Experimental Astronomy</i> , 0, , 1. | 3.7 | 1 |