

Konstantinos Dialynas

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4900310/publications.pdf>

Version: 2024-02-01

44
papers

905
citations

471509

17
h-index

501196

28
g-index

45
all docs

45
docs citations

45
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	111
2	The bubble-like shape of the heliosphere observed by Voyager and Cassini. <i>Nature Astronomy</i> , 2017, 1, .	10.1	74
3	Energetic charged particle measurements from Voyager 2 at the heliopause and beyond. <i>Nature Astronomy</i> , 2019, 3, 997-1006.	10.1	59
4	Discovery of a transient radiation belt at Saturn. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	54
5	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	37
6	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USING CASSINI/INCA MEASUREMENTS. <i>Astrophysical Journal</i> , 2013, 778, 40.	4.5	34
7	Energetic Ion Moments and Polytropic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on \hat{P} -Distribution Functions. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8066-8086.	2.4	34
8	Energetic charged particle weathering of Saturn's inner satellites. <i>Planetary and Space Science</i> , 2012, 61, 60-65.	1.7	31
9	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.	2.4	30
10	Plasma Pressures in the Heliosheath From Cassini ENA and Voyager 2 Measurements: Validation by the Voyager 2 Heliopause Crossing. <i>Geophysical Research Letters</i> , 2019, 46, 7911-7919.	4.0	29
11	The distribution of Titan's high-altitude (out to $\sim 450,000$ km) exosphere from energetic neutral atom (ENA) measurements by Cassini/INCA. <i>Planetary and Space Science</i> , 2012, 60, 107-114.	1.7	28
12	A radiation belt of energetic protons located between Saturn and its rings. <i>Science</i> , 2018, 362, .	12.6	27
13	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.	2.5	26
14	Combined ~ 10 eV to ~ 344 MeV Particle Spectra and Pressures in the Heliosheath along the Voyager 2 Trajectory. <i>Astrophysical Journal Letters</i> , 2020, 905, L24.	8.3	24
15	The Structure of the Large-Scale Heliosphere as Seen by Current Models. <i>Space Science Reviews</i> , 2022, 218, .	8.1	23
16	A Turbulent Heliosheath Driven by the Rayleigh-Taylor Instability. <i>Astrophysical Journal</i> , 2021, 922, 181.	4.5	21
17	The Structure of the Global Heliosphere as Seen by In-Situ Ions from the Voyagers and Remotely Sensed ENAs from Cassini. <i>Space Science Reviews</i> , 2022, 218, 1.	8.1	21
18	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.	4.5	20

#	ARTICLE	IF	CITATIONS
19	Ions Measured by Voyager 1 Outside the Heliopause to ~28 au and Implications Thereof. <i>Astrophysical Journal</i> , 2021, 917, 42.	4.5	15
20	Heliospheric Conditions at Saturn During Cassini's Ringâ€œGrazing and Proximal Orbits. <i>Geophysical Research Letters</i> , 2018, 45, 10812-10818.	4.0	14
21	Recurrent Magnetic Dipolarization at Saturn: Revealed by Cassini. <i>Journal of Geophysical Research: Space Physics</i> , 2018, 123, 8502-8517.	2.4	14
22	Signature of a Heliotail Organized by the Solar Magnetic Field and the Role of Nonideal Processes in Modeled IBEX ENA Maps: A Comparison of the BU and Moscow MHD Models. <i>Astrophysical Journal</i> , 2021, 921, 164.	4.5	14
23	The Development of a Split-tail Heliosphere and the Role of Non-ideal Processes: A Comparison of the BU and Moscow Models. <i>Astrophysical Journal</i> , 2021, 923, 179.	4.5	14
24	Sources, Sinks, and Transport of Energetic Electrons Near Saturn's Main Rings. <i>Geophysical Research Letters</i> , 2019, 46, 3590-3598.	4.0	13
25	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.	1.7	11
26	Cassini ENA images of the heliosheath and Voyager â€œground truthâ€œ Thickness of the heliosheath. <i>AIP Conference Proceedings</i> , 2012, . .	0.4	11
27	Response times of Cassini/INCA > 5.2 keV ENAs and Voyager ions in the heliosheath over the solar cycle. <i>Journal of Physics: Conference Series</i> , 2017, 900, 012005.	0.4	11
28	Convection in the Magnetosphere of Saturn During the Cassini Mission Derived From MIMI INCA and CHEMS Measurements. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027534.	2.4	11
29	The in-situ exploration of Jupiterâ€™s radiation belts. <i>Experimental Astronomy</i> , 2022, 54, 745-789.	3.7	11
30	A source of very energetic oxygen located in Jupiterâ€™s inner radiation belts. <i>Science Advances</i> , 2022, 8, eabm4234.	10.3	11
31	On the Energization of Pickup Ions Downstream of the Heliospheric Termination Shock by Comparing 0.52â€œ55 keV Observed Energetic Neutral Atom Spectra to Ones Inferred from Proton Hybrid Simulations. <i>Astrophysical Journal Letters</i> , 2022, 931, L21.	8.3	11
32	Auroral Beads at Saturn and the Driving Mechanism: Cassini Proximal Orbits. <i>Astrophysical Journal Letters</i> , 2019, 885, L16.	8.3	10
33	Energetic Neutral Atom Fluxes from the Heliosheath: Constraints from in situ Measurements and Models. <i>Astrophysical Journal Letters</i> , 2021, 915, L26.	8.3	9
34	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.	2.4	8
35	Jovian Cosmic-Ray Protons in the Heliosphere: Constraints by Cassini Observations. <i>Astrophysical Journal</i> , 2019, 871, 223.	4.5	8
36	Heliospheric Maps from Cassini INCA Early in the Cruise to Saturn. <i>Astrophysical Journal Letters</i> , 2020, 902, L45.	8.3	7

#	ARTICLE	IF	CITATIONS
37	The Kappa-Shaped Particle Spectra in Planetary Magnetospheres. , 2017, , 481-522.		6
38	Energetic Neutral Atom (ENA) intensity gradients in the heliotail during year 2003, using Cassini/INCA measurements. Journal of Physics: Conference Series, 2015, 577, 012007.	0.4	5
39	A Long-Lasting Auroral Spiral Rotating Around Saturn's Pole. Geophysical Research Letters, 2020, 47, e2020GL088810.	4.0	4
40	Cassini/MIMI Observations on the Dungey Cycle Reconnection and Kelvin-Helmholtz Instability in Saturn's Magnetosphere. Journal of Geophysical Research: Space Physics, 2018, 123, 7271-7275.	2.4	3
41	Magnetospheric Electron Flows In The Martian Ionosphere. Detection And Implications. AIP Conference Proceedings, 2006, , .	0.4	1
42	Mars: Determination of the most appropriate electron energy for the bow shock identification, using MGS data. AIP Conference Proceedings, 2006, , .	0.4	0
43	Electron impact ionization in the Martian ionosphere. AIP Conference Proceedings, 2007, , .	0.4	0
44	Characteristic signatures of energetic ions upstream from the Kronian magnetosphere as revealed by Cassini/MIMI. Proceedings of the International Astronomical Union, 2008, 4, 517-522.	0.0	0