

Stamatios Krimigis

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

400
papers

16,622
citations

69
h-index

106
g-index

412
ext. papers

17,708
ext. citations

10.5
avg, IF

5.85
L-index

#	Paper	IF	Citations
400	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. <i>Astrophysical Journal</i> , 2022 , 927, 62	4.7	
399	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	7.5	3
398	On the Energization of Pickup Ions Downstream of the Heliospheric Termination Shock by Comparing 0.5285 keV Observed Energetic Neutral Atom Spectra to Ones Inferred from Proton Hybrid Simulations. <i>Astrophysical Journal Letters</i> , 2022 , 931, L21	7.9	0
397	A Foreshock Model for Interstellar Shocks of Solar Origin: Voyager 1 and 2 Observations. <i>Astronomical Journal</i> , 2021 , 161, 11	4.9	8
396	Ions Measured by Voyager 1 Outside the Heliopause to ~28 au and Implications Thereof. <i>Astrophysical Journal</i> , 2021 , 917, 42	4.7	5
395	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	2.6	8
394	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 65	8	10
393	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 35	8	14
392	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 246, 56	8	16
391	Influence of Solar Disturbances on Galactic Cosmic Rays in the Solar Wind, Heliosheath, and Local Interstellar Medium: Advanced Composition Explorer, New Horizons, and Voyager Observations. <i>Astrophysical Journal</i> , 2020 , 905, 69	4.7	6
390	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	4.7	10
389	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	7.9	7
388	The Composition of ~96 keV W ⁺ in Saturn's Magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2020 , 125, e2019JA027315	2.6	2
387	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	4.9	14
386	Near-term interstellar probe: First step. <i>Acta Astronautica</i> , 2019 , 162, 284-299	2.9	16
385	Jovian Cosmic-Ray Protons in the Heliosphere: Constraints by Cassini Observations. <i>Astrophysical Journal</i> , 2019 , 871, 223	4.7	6
384	Initial results from the New Horizons exploration of 2014 MU, a small Kuiper Belt object. <i>Science</i> , 2019 , 364,	33.3	80

383	Close Cassini flybys of Saturn's ring moons Pan, Daphnis, Atlas, Pandora, and Epimetheus. <i>Science</i> , 2019 , 364,	33.3	15
382	Suprathermal Ions in the Outer Heliosphere. <i>Astrophysical Journal</i> , 2019 , 876, 46	4.7	8
381	Energetic Oxygen and Sulfur Charge States in the Outer Jovian Magnetosphere: Insights From the Cassini Jupiter Flyby. <i>Geophysical Research Letters</i> , 2019 , 46, 11709-11717	4.9	8
380	Energetic charged particle measurements from Voyager 2 at the heliopause and beyond. <i>Nature Astronomy</i> , 2019 , 3, 997-1006	12.1	35
379	Pluto's Interaction With Energetic Heliospheric Ions. <i>Journal of Geophysical Research: Space Physics</i> , 2019 , 124, 7413-7424	2.6	1
378	Probing the energetic particle environment near the Sun. <i>Nature</i> , 2019 , 576, 223-227	50.4	67
377	Sources, Sinks, and Transport of Energetic Electrons Near Saturn's Main Rings. <i>Geophysical Research Letters</i> , 2019 , 46, 3590-3598	4.9	11
376	The Ring Current of Saturn. <i>Geophysical Monograph Series</i> , 2018 , 139-154	1.1	5
375	Heliospheric Conditions at Saturn During Cassini's Ring-Grazing and Proximal Orbits. <i>Geophysical Research Letters</i> , 2018 , 45, 10812-10818	4.9	12
374	Mercury's Dynamic Magnetosphere 2018 , 461-496		5
373	Energetic Ion Moments and Polytopic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on Distribution Functions. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 8066-8086	2.6	25
372	A radiation belt of energetic protons located between Saturn and its rings. <i>Science</i> , 2018 , 362,	33.3	19
371	Internal Versus External Sources of Plasma at Saturn: Overview From Magnetospheric Imaging Investigation/Charge-Energy-Mass Spectrometer Data. <i>Journal of Geophysical Research: Space Physics</i> , 2018 , 123, 4712-4727	2.6	12
370	Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. <i>Geophysical Research Letters</i> , 2018 , 45, 6798-6804	4.9	4
369	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	4.9	7
368	The bubble-like shape of the heliosphere observed by Voyager and Cassini. <i>Nature Astronomy</i> , 2017 , 1,	12.1	48
367	The Mushroom: A half-sky energetic ion and electron detector. <i>Journal of Geophysical Research: Space Physics</i> , 2017 , 122, 1513-1530	2.6	24
366	Local Time Asymmetries in Saturn's Magnetosphere. <i>Geophysical Monograph Series</i> , 2017 , 323-336	1.1	1

365	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	0.3	9
364	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	2.6	32
363	Origin of the Differential Fluxes of Low-energy Electrons in the Inner Heliosheath. <i>Astrophysical Journal Letters</i> , 2017 , 848, L3	7.9	11
362	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. <i>Geophysical Research Letters</i> , 2016 , 43, 550-555	4.9	25
361	HELIOSHEATH MAGNETIC FIELD AND PLASMA OBSERVED BYVOYAGER2 DURING 2012 IN THE RISING PHASE OF SOLAR CYCLE 24. <i>Astrophysical Journal</i> , 2016 , 818, 147	4.7	11
360	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. <i>Space Science Reviews</i> , 2016 , 204, 187-256	7.5	90
359	The atmosphere of Pluto as observed by New Horizons. <i>Science</i> , 2016 , 351, aad8866	33.3	164
358	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016 , 351, aad9045	33.3	52
357	The geology of Pluto and Charon through the eyes of New Horizons. <i>Science</i> , 2016 , 351, 1284-93	33.3	180
356	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 2171-2184	2.6	24
355	Cassini observations of Saturn's southern polar cusp. <i>Journal of Geophysical Research: Space Physics</i> , 2016 , 121, 3006-3030	2.6	12
354	The Pluto system: Initial results from its exploration by New Horizons. <i>Science</i> , 2015 , 350, aad1815	33.3	295
353	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. <i>Astrophysical Journal</i> , 2015 , 809, 121	4.7	51
352	Energetic Neutral Atom (ENA) intensity gradients in the heliotail during year 2003, using Cassini/INCA measurements. <i>Journal of Physics: Conference Series</i> , 2015 , 577, 012007	0.3	5
351	Discovery of suprathermal Fe+ in Saturn's magnetosphere. <i>Journal of Geophysical Research: Space Physics</i> , 2015 , 120, 2720-2738	2.6	8
350	Recent Particle Measurements from Voyagers 1 and 2. <i>Journal of Physics: Conference Series</i> , 2015 , 577, 012006	0.3	19
349	Injection, Interchange, and Reconnection. <i>Geophysical Monograph Series</i> , 2015 , 327-343	1.1	28
348	The Voyagers' Odyssey. <i>American Scientist</i> , 2015 , 103, 284	2.7	3

347	MESSENGER at Mercury: Early orbital operations. <i>Acta Astronautica</i> , 2014 , 93, 509-515	2.9	2
346	Suprathermal magnetospheric minor ions heavier than water at Saturn: Discovery of 28M+ seasonal variations. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 5662-5673	2.6	10
345	Using the kappa function to investigate hot plasma in the magnetospheres of the giant planets. <i>Journal of Geophysical Research: Space Physics</i> , 2014 , 119, 8426-8447	2.6	13
344	DEPENDENCE OF ENERGETIC ION AND ELECTRON INTENSITIES ON PROXIMITY TO THE MAGNETICALLY SECTORED HELIOSHEATH:VOYAGER 1AND2OBSERVATIONS. <i>Astrophysical Journal</i> , 2014 , 781, 94	4.7	15
343	Search for the exit: Voyager 1 at heliosphere's border with the galaxy. <i>Science</i> , 2013 , 341, 144-7	33.3	149
342	Energetic Neutral Particle Imaging of Saturn'S Magnetosphere. <i>Geophysical Monograph Series</i> , 2013 , 253-260	1.1	3
341	Instrumentation for Energetic Neutral Atom Imaging of Magnetospheres. <i>Geophysical Monograph Series</i> , 2013 , 165-170	1.1	11
340	Particle and magnetic field properties of the Saturnian magnetosheath: Presence and upstream escape of hot magnetospheric plasma. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1620-1634	2.6	31
339	Saturn suprathermal O2+ and mass-28+ molecular ions: Long-term seasonal and solar variation. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 3446-3463	2.6	14
338	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	2.6	26
337	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. <i>Journal of Geophysical Research: Space Physics</i> , 2013 , 118, 1604-1619	2.6	72
336	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USINGCASSINI/INCA MEASUREMENTS. <i>Astrophysical Journal</i> , 2013 , 778, 40	4.7	27
335	Acceleration of Energetic Oxygen (E> 137 KEV) in the Storm-Time Ring Current. <i>Geophysical Monograph Series</i> , 2013 , 149-152	1.1	17
334	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. <i>Journal of Geophysical Research</i> , 2012 , 117,		76
333	The detection of energetic electrons with the Cassini Langmuir probe at Saturn. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		8
332	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	98
331	No meridional plasma flow in the heliosheath transition region. <i>Nature</i> , 2012 , 489, 124-7	50.4	62
330	Cassini ENA images of the heliosheath and Voyager ground truthThickness of the heliosheath 2012 ,		9

329	MESSENGER observations of dipolarization events in Mercury's magnetotail. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		67
328	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		22
327	Unusually short period in electrons at Saturn. <i>Geophysical Research Letters</i> , 2012 , 39, n/a-n/a	4.9	2
326	Long- and short-term variability of Saturn's ionic radiation belts. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		37
325	Pitch angle distributions of energetic electrons at Saturn. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		20
324	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		38
323	ENA periodicities and their phase relations to SKR emissions at Saturn. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	9
322	Long term time variations of the suprathermal ions in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	16
321	Quasi-trapped ion and electron populations at Mercury. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	27
320	Post-equinox periodicities in Saturn's energetic electrons. <i>Geophysical Research Letters</i> , 2011 , 38, n/a-n/a	4.9	10
319	Energetic electron spectra in Saturn's plasma sheet. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		8
318	The auroral footprint of Enceladus on Saturn. <i>Nature</i> , 2011 , 472, 331-3	50.4	77
317	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. <i>Planetary and Space Science</i> , 2011 , 59, 2016-2025	2	25
316	MESSENGER observations of the plasma environment near Mercury. <i>Planetary and Space Science</i> , 2011 , 59, 2004-2015	2	72
315	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. <i>Planetary and Space Science</i> , 2011 , 59, 2026-2036	2	25
314	Interstellar Probe: Impact of the Voyager and IBEX results on science and strategy. <i>Acta Astronautica</i> , 2011 , 69, 767-776	2.9	6
313	Economic crisis: Call to support Greek research reforms. <i>Nature</i> , 2011 , 479, 41	50.4	
312	MESSENGER observations of transient bursts of energetic electrons in Mercury's magnetosphere. <i>Science</i> , 2011 , 333, 1865-8	33.3	28

311	MESSENGER observations of the spatial distribution of planetary ions near Mercury. <i>Science</i> , 2011 , 333, 1862-5	33.3	91
310	Zero outward flow velocity for plasma in a heliosheath transition layer. <i>Nature</i> , 2011 , 474, 359-61	50.4	101
309	Saturn's magnetosphere: An example of dynamic planetary systems 2011 ,		1
308	MESSENGER observations of extreme loading and unloading of Mercury's magnetic tail. <i>Science</i> , 2010 , 329, 665-8	33.3	157
307	ENA (E>5 keV) Images from Cassini and Voyager "ground truth" Suprathermal Pressure in the Heliosheath 2010 ,		9
306	Polar Coronal Hole Evolution 2006-2009: Effects At Voyagers 1/2 In The Heliosheath 2010 ,		6
305	Implications of Generalized Rankine-Hugoniot Conditions for the PUI Population at the Voyager 2 Termination Shock 2010 ,		4
304	Variations of Low-energy Ion Distributions Measured in the Heliosheath 2010 ,		13
303	MESSENGER observations of large flux transfer events at Mercury. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	49
302	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	54
301	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, n/a-n/a		134
300	Phase relations between energetic neutral atom intensities and kilometric radio emissions at Saturn. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		8
299	Energetic electron microsignatures as tracers of radial flows and dynamics in Saturn's innermost magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		8
298	Asymmetries in Saturn's radiation belts. <i>Journal of Geophysical Research</i> , 2010 , 115,		25
297	Azimuthal plasma flow in the Kronian magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		31
296	Longitude dependences of energetic H ⁺ and O ⁺ at Saturn. <i>Journal of Geophysical Research</i> , 2010 , 115,		7
295	A plasmopause-like density boundary at high latitudes in Saturn's magnetosphere. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	36
294	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	35

293	Cassini observations of a Kelvin-Helmholtz vortex in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115,		91
292	Transport of energetic electrons into Saturn's inner magnetosphere. <i>Journal of Geophysical Research</i> , 2010 , 115, n/a-n/a		34
291	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. <i>Icarus</i> , 2010 , 209, 3-10	3.8	58
290	Titan's ionosphere in the magnetosheath: Cassini RPWS results during the T32 flyby. <i>Annales Geophysicae</i> , 2009 , 27, 4257-4272	2	24
289	MESSENGER observations of magnetic reconnection in Mercury's magnetosphere. <i>Science</i> , 2009 , 324, 606-10	33.3	206
288	Termination Shock and Heliosheath: Energetic Ion Variations Measured at Voyagers 1 and 2 2009 ,		2
287	Imaging the interaction of the heliosphere with the interstellar medium from Saturn with Cassini. <i>Science</i> , 2009 , 326, 971-3	33.3	88
286	Composition of Interstellar Neutrals and the Origin of Anomalous Cosmic Rays. <i>Space Science Reviews</i> , 2009 , 143, 163-175	7.5	18
285	Energetic neutral atom (ENA) and charged particle periodicities in Saturn's magnetosphere. <i>Advances in Space Research</i> , 2009 , 44, 483-493	2.4	12
284	MESSENGER and Venus Express observations of the solar wind interaction with Venus. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	32
283	Dual periodicities in energetic electrons at Saturn. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	28
282	Solar wind periodicity in energetic electrons at Saturn. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	7
281	L shell distribution of energetic electrons at Saturn. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		23
280	Identification of photoelectron energy peaks in Saturn's inner neutral torus. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		19
279	MESSENGER observations of Mercury's magnetosphere during northward IMF. <i>Geophysical Research Letters</i> , 2009 , 36, n/a-n/a	4.9	47
278	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. <i>Geophysical Research Letters</i> , 2009 , 36,	4.9	7
277	Ion conics and electron beams associated with auroral processes on Saturn. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		72
276	Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		103

275	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. <i>Journal of Geophysical Research</i> , 2009 , 114, n/a-n/a		79
274	Titan's exosphere and its interaction with Saturn's magnetosphere. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2009 , 367, 743-52	3	6
273	Composition of Interstellar Neutrals and the Origin of Anomalous Cosmic Rays. <i>Space Sciences Series of ISSI</i> , 2009 , 163-175	0.1	
272	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission 2009 , 315-385		1
271	Review of Knowledge Prior to the Cassini-Huygens Mission and Concurrent Research 2009 , 9-54		2
270	Saturn's Magnetospheric Configuration 2009 , 203-255		40
269	Mediation of the solar wind termination shock by non-thermal ions. <i>Nature</i> , 2008 , 454, 67-70	50.4	190
268	Plasma convection in Saturn's outer magnetosphere determined from ions detected by the Cassini INCA experiment. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	36
267	Energetic ion precipitation at Titan. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	114
266	Track analysis of energetic neutral atom blobs at Saturn. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		18
265	Statistical morphology of ENA emissions at Saturn. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		44
264	Identification of Saturn's magnetospheric regions and associated plasma processes: Synopsis of Cassini observations during orbit insertion. <i>Reviews of Geophysics</i> , 2008 , 46,	23.1	22
263	ENA periodicities at Saturn. <i>Geophysical Research Letters</i> , 2008 , 35, n/a-n/a	4.9	56
262	Understanding the global evolution of Saturn's ring current. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	30
261	Discovery of a transient radiation belt at Saturn. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	51
260	Direct observation of warping in the plasma sheet of Saturn. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	19
259	Periodic tilting of Saturn's plasma sheet. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	44
258	The lower exosphere of Titan: Energetic neutral atoms absorption and imaging. <i>Journal of Geophysical Research</i> , 2008 , 113,		16

257	Multi-instrument analysis of electron populations in Saturn's magnetosphere. <i>Journal of Geophysical Research</i> , 2008 , 113, n/a-n/a		290
256	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. <i>Space Science Reviews</i> , 2008 , 140, 315-385	7.5	46
255	Mercury's magnetosphere after MESSENGER's first flyby. <i>Science</i> , 2008 , 321, 85-9	33.3	147
254	Particle Acceleration at the Termination Shock: Voyager 1 and 2 Observations. <i>AIP Conference Proceedings</i> , 2008 ,	0	7
253	The dust halo of Saturn's largest icy moon, Rhea. <i>Science</i> , 2008 , 319, 1380-4	33.3	50
252	MESSENGER observations of the composition of Mercury's ionized exosphere and plasma environment. <i>Science</i> , 2008 , 321, 90-2	33.3	113
251	Return to Mercury: a global perspective on MESSENGER's first Mercury flyby. <i>Science</i> , 2008 , 321, 59-62	33.3	143
250	Characteristic signatures of energetic ions upstream from the Kronian magnetosphere as revealed by Cassini/MIMI. <i>Proceedings of the International Astronomical Union</i> , 2008 , 4, 517-522	0.1	
249	Energetic electrons injected into Saturn's neutral gas cloud. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	46
248	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	76
247	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		58
246	Electron periodicities in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		27
245	Evidence for spiral pattern in Saturn's magnetosphere using the new SKR longitudes. <i>Geophysical Research Letters</i> , 2007 , 34, n/a-n/a	4.9	36
244	Spin-period effects in magnetospheres with no axial tilt. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	22
243	Charged particle periodicities in Saturn's outer magnetosphere. <i>Journal of Geophysical Research</i> , 2007 , 112, n/a-n/a		44
242	A dynamic, rotating ring current around Saturn. <i>Nature</i> , 2007 , 450, 1050-3	50.4	81
241	MESSENGER: Exploring Mercury's Magnetosphere. <i>Space Science Reviews</i> , 2007 , 131, 133-160	7.5	49
240	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. <i>Space Science Reviews</i> , 2007 , 130, 243-253	7.5	6

239	Foreshock, termination shock, and heliosheath: Voyager 1/2 observations of structure and turbulence. <i>AIP Conference Proceedings</i> , 2007 ,	0	3
238	Energetic particles in the jovian magnetotail. <i>Science</i> , 2007 , 318, 220-2	33.3	47
237	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. <i>Space Sciences Series of ISSI</i> , 2007 , 243-253	0.1	
236	MESSENGER: Exploring Mercury's Magnetosphere 2007 , 133-160		2
235	Formation of Saturn's ring spokes by lightning-induced electron beams. <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	25
234	Enceladus' varying imprint on the magnetosphere of Saturn. <i>Science</i> , 2006 , 311, 1412-5	33.3	56
233	Low-energy ions near the termination shock. <i>AIP Conference Proceedings</i> , 2006 ,	0	16
232	Heliosheath particles, anomalous cosmic rays and a possible third source of energetic ions. <i>AIP Conference Proceedings</i> , 2006 ,	0	5
231	Radial and Longitudinal Dependence of Solar 40-13 MeV and 27-37 MeV Proton Peak Intensities and Fluences: Helios and IMP 8 Observations. <i>Astrophysical Journal</i> , 2006 , 653, 1531-1544	4.7	80
230	Anti-planetward auroral electron beams at Saturn. <i>Nature</i> , 2006 , 439, 699-702	50.4	37
229	Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. <i>Astrophysical Journal</i> , 2006 , 649, 470-489	4.7	117
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