Stamatios Krimigis

List of Publications by Citations

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	Voyager 1 in the foreshock, termination shock, and heliosheath. *Science*, **2005**, 309, 2020-4	33.3	359
399	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan. *Space Science Reviews*, **2004**, 114, 233-329	7.5	332
398	The MESSENGER mission to Mercury: scientific objectives and implementation. *Planetary and Space Science*, **2001**, 49, 1445-1465	2	317
397	The Pluto system: Initial results from its exploration by New Horizons. *Science*, **2015**, 350, aad1815	33.3	295
396	Multi-instrument analysis of electron populations in Saturn's magnetosphere. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		290
395	General characteristics of hot plasma and energetic particles in the Saturnian magnetosphere: Results from the Voyager spacecraft. *Journal of Geophysical Research*, **1983**, 88, 8871-8892		262
394	Observations of magnetospheric bursts of high-energy protons and electrons at ~35 RE with Imp 7. *Journal of Geophysical Research*, **1976**, 81, 2341-2355		252
393	MESSENGER observations of magnetic reconnection in Mercury's magnetosphere. *Science*, **2009**, 324, 606-10	33.3	206
392	Voyager observations of Saturnian ion and electron phase space densities. *Journal of Geophysical Research*, **1983**, 88, 8893-8904		204
391	A case study of magnetotail current sheet disruption and diversion. *Geophysical Research Letters*, **1988**, 15, 721-724	4.9	203
390	Characteristics of hot plasma in the Jovian magnetosphere: Results from the Voyager spacecraft. *Journal of Geophysical Research*, **1981**, 86, 8227-8257		200
389	Mediation of the solar wind termination shock by non-thermal ions. *Nature*, **2008**, 454, 67-70	50.4	190
388	Evolution of the ring current during two geomagnetic storms. *Journal of Geophysical Research*, **1987**, 92, 7459		189
387	The geology of Pluto and Charon through the eyes of New Horizons. *Science*, **2016**, 351, 1284-93	33.3	180
386	Energetic ion characteristics and neutral gas interactions in Jupiter's magnetosphere. *Journal of Geophysical Research*, **2004**, 109,		174
385	The atmosphere of Pluto as observed by New Horizons. *Science*, **2016**, 351, aad8866	33.3	164
384	Dynamics of Saturn's magnetosphere from MIMI during Cassini's orbital insertion. *Science*, **2005**, 307, 1270-3	33.3	158

383	MESSENGER observations of extreme loading and unloading of Mercury's magnetic tail. *Science*, **2010**, 329, 665-8	33.3	157
382	Evidence for a Suprathermal Seed Population of Heavy Ions Accelerated by Interplanetary Shocks near 1 AU. *Astrophysical Journal*, **2003**, 588, 1149-1162	4.7	151
381	Search for the exit: Voyager 1 at heliosphere's border with the galaxy. *Science*, **2013**, 341, 144-7	33.3	149
380	Mercury's magnetosphere after MESSENGER's first flyby. *Science*, **2008**, 321, 85-9	33.3	147
379	Magnetic storm of September 4, 1984: A synthesis of ring current spectra and energy densities measured with AMPTE/CCE. *Geophysical Research Letters*, **1985**, 12, 329-332	4.9	144
378	Return to Mercury: a global perspective on MESSENGER's first Mercury flyby. *Science*, **2008**, 321, 59-62	33.3	143
377	Voyager 1 exited the solar wind at a distance of approximately 85 Au from the Sun. *Nature*, **2003**, 426, 45-8	50.4	135
376	A new form of Saturn's magnetopause using a dynamic pressure balance model, based on in situ, multi-instrument Cassini measurements. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		134
375	Hot plasma environment at jupiter: voyager 2 results. *Science*, **1979**, 206, 977-84	33.3	130
374	Abundances of Heavy and Ultraheavy Ions in3He-rich Solar Flares. *Astrophysical Journal*, **2004**, 606, 555-564	4.7	127
373	Low-energy charged particle environment at jupiter: a first look. *Science*, **1979**, 204, 998-1003	33.3	126
372	Heavy-Ion Elemental Abundances in Large Solar Energetic Particle Events and Their Implications for the Seed Population. *Astrophysical Journal*, **2006**, 649, 470-489	4.7	117
371	Energetic ion acceleration in Saturn's magnetotail: Substorms at Saturn?. *Geophysical Research Letters*, **2005**, 32,	4.9	116
370	Energetic ion precipitation at Titan. *Geophysical Research Letters*, **2008**, 35,	4.9	114
369	MESSENGER observations of the composition of Mercury's ionized exosphere and plasma environment. *Science*, **2008**, 321, 90-2	33.3	113
368	Electron beams and ion composition measured at Io and in its torus. *Science*, **1996**, 274, 401-3	33.3	111
367	Magnetic field drift shell splitting: Cause of unusual dayside particle pitch angle distributions during storms and substorms. *Journal of Geophysical Research*, **1987**, 92, 13485		110
366	Energetic ion spectral characteristics in the Saturnian magnetosphere using Cassini/MIMI measurements. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		103

365	Energetic neutral atoms from a trans-Europa gas torus at Jupiter. *Nature*, **2003**, 421, 920-2	50.4	102
364	Zero outward flow velocity for plasma in a heliosheath transition layer. *Nature*, **2011**, 474, 359-61	50.4	101
363	Energetic particle injections in Saturn's magnetosphere. *Geophysical Research Letters*, **2005**, 32, n/a-n/a	4.9	100
362	Spectral Properties of He and Heavy Ions in3He-rich Solar Flares. *Astrophysical Journal*, **2002**, 574, 1039-1058	4.7	99
361	The importance of plasma conditions for magnetic reconnection at Saturn's magnetopause. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	98
360	The hot plasma and radiation environment of the Uranian magnetosphere. *Journal of Geophysical Research*, **1987**, 92, 15283		95
359	Impulsive emission of ~40-kev electrons from the Sun. *Journal of Geophysical Research*, **1965**, 70, 5737-5751		94
358	The energetic ion substorm injection boundary. *Journal of Geophysical Research*, **1990**, 95, 109		93
357	Composition of nonthermal ions in the Jovian magnetosphere. *Journal of Geophysical Research*, **1981**, 86, 8301-8318		93
356	Cassini observations of a Kelvin-Helmholtz vortex in Saturn's outer magnetosphere. *Journal of Geophysical Research*, **2010**, 115,		91
355	MESSENGER observations of the spatial distribution of planetary ions near Mercury. *Science*, **2011**, 333, 1862-5	33.3	91
354	Simultaneous multispacecraft observations of energetic proton bursts inside and outside the magnetosphere. *Journal of Geophysical Research*, **1978**, 83, 4289		91
353	Integrated Science Investigation of the Sun (ISIS): Design of the Energetic Particle Investigation. *Space Science Reviews*, **2016**, 204, 187-256	7.5	90
352	Imaging the interaction of the heliosphere with the interstellar medium from Saturn with Cassini. *Science*, **2009**, 326, 971-3	33.3	88
351	Hot Plasma and Energetic Particles in Neptune's Magnetosphere. *Science*, **1989**, 246, 1483-9	33.3	88
350	Interplanetary diffusion model for the time behavior of intensity in a solar cosmic ray event. *Journal of Geophysical Research*, **1965**, 70, 2943-2960		88
349	Energetic magnetospheric ions at the dayside magnetopause: Leakage or merging?. *Journal of Geophysical Research*, **1987**, 92, 12097		85
348	Low-Energy Charged Particles in Saturn's Magnetosphere: Results from Voyager 1. *Science*, **1981**, 212, 225-31	33.3	85

347	Spectral Properties of Heavy Ions Associated with the Passage of Interplanetary Shocks at 1 AU. *Astrophysical Journal*, **2004**, 611, 1156-1174	4.7	84
346	The magnetosphere of uranus: hot plasma and radiation environment. *Science*, **1986**, 233, 97-102	33.3	82
345	Analysis and synthesis of coronal and interplanetary energetic particle, plasma, and magnetic field observations over three solar rotations. *Journal of Geophysical Research*, **1973**, 78, 5375-5410		82
344	A dynamic, rotating ring current around Saturn. *Nature*, **2007**, 450, 1050-3	50.4	81
343	Initial results from the New Horizons exploration of 2014 MU, a small Kuiper Belt object. *Science*, **2019**, 364,	33.3	80
342	Radial and Longitudinal Dependence of Solar 4–13 MeV and 27–37 MeV Proton Peak Intensities and Fluences:HeliosandIMP 8Observations. *Astrophysical Journal*, **2006**, 653, 1531-1544	4.7	80
341	Energetic particle pressure in Saturn's magnetosphere measured with the Magnetospheric Imaging Instrument on Cassini. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		79
340	The auroral footprint of Enceladus on Saturn. *Nature*, **2011**, 472, 331-3	50.4	77
339	MESSENGER and Mariner 10 flyby observations of magnetotail structure and dynamics at Mercury. *Journal of Geophysical Research*, **2012**, 117,		76
338	Ring current at Saturn: Energetic particle pressure in Saturn's equatorial magnetosphere measured with Cassini/MIMI. *Geophysical Research Letters*, **2007**, 34,	4.9	76
337	Low-energy charged particle observations in the 5–20 RJ region of the Jovian magnetosphere. *Journal of Geophysical Research*, **1981**, 86, 8343-8355		75
336	The active magnetospheric particle tracer explorers (AMPTE) program. *Eos*, **1982**, 63, 843	1.5	75
335	Distribution and compositional variations of plasma ions in Mercury's space environment: The first three Mercury years of MESSENGER observations. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1604-1619	2.6	72
334	MESSENGER observations of the plasma environment near Mercury. *Planetary and Space Science*, **2011**, 59, 2004-2015	2	72
333	Ion conics and electron beams associated with auroral processes on Saturn. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		72
332	Periodic intensity variations in global ENA images of Saturn. *Geophysical Research Letters*, **2005**, 32,	4.9	69
331	Particle acceleration and sources in the November 1997 solar energetic particle events. *Geophysical Research Letters*, **1999**, 26, 141-144	4.9	68
330	Charged particle periodicity in the Saturnian magnetosphere. *Geophysical Research Letters*, **1982**, 9, 1073–1076	4.9	68

329	Simultaneous measurements of energetic protons and electrons in the distant magnetosheath, magnetotail, and upstream in the solar wind. *Geophysical Research Letters*, **1978**, 5, 961-964	4.9	68
328	MESSENGER observations of dipolarization events in Mercury's magnetotail. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		67
327	Relationship between energetic particles and plasmas in the distant plasma sheet. *Geophysical Research Letters*, **1981**, 8, 349-352	4.9	67
326	Geomagnetically trapped alpha particles. *Journal of Geophysical Research*, **1967**, 72, 5779-5797		67
325	Probing the energetic particle environment near the Sun. *Nature*, **2019**, 576, 223-227	50.4	67
324	On the relationship between the energetic particle flux morphology and the change in the magnetic field magnitude during substorms. *Journal of Geophysical Research*, **1989**, 94, 17105		66
323	Observations of protons in the magnetosphere and magnetotail with Explorer 33. *Journal of Geophysical Research*, **1968**, 73, 143-152		64
322	No meridional plasma flow in the heliosheath transition region. *Nature*, **2012**, 489, 124-7	50.4	62
321	Spatial distribution of energetic particles in the distant magnetotail. *Journal of Geophysical Research*, **1981**, 86, 5682		62
320	Energetic particle events (□0 keV) of Jovian origin observed by Voyager 1 and 2 in interplanetary space. *Journal of Geophysical Research*, **1981**, 86, 8125-8140		62
319	Energetic Particle Bursts in the Earth□ Magnetotail. *Astrophysics and Space Science Library*, **1979**, 599-630	0.3	62
318	The hot plasma environment at jupiter: ulysses results. *Science*, **1992**, 257, 1518-24	33.3	60
317	Ion anisotropies in the outer Jovian magnetosphere. *Journal of Geophysical Research*, **1981**, 86, 8285-8299		60
316	Modeling of the magnetosphere of Mercury at the time of the first MESSENGER flyby. *Icarus*, **2010**, 209, 3-10	3.8	58
315	Electron microdiffusion in the Saturnian radiation belts: Cassini MIMI/LEMMS observations of energetic electron absorption by the icy moons. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		58
314	Hot ions in Jupiter's magnetodisc: A model for Voyager 2 low-energy charged particle measurements. *Journal of Geophysical Research*, **1995**, 100, 19473		58
313	Proton fluxes at 300 kev associated with propagating interplanetary shock waves. *Journal of Geophysical Research*, **1970**, 75, 5980-5988		57
312	Energetic particle signatures at Ganymede: Implications for Ganymede's magnetic field. *Geophysical Research Letters*, **1997**, 24, 2163-2166	4.9	56

311	ENA periodicities at Saturn. *Geophysical Research Letters*, **2008**, 35, n/a-n/a	4.9	56
310	Enceladus' varying imprint on the magnetosphere of Saturn. *Science*, **2006**, 311, 1412-5	33.3	56
309	Magnetospheric origin of energetic (E 50 keV) ions upstream of the bow shock: The October 31, 1977, event. *Journal of Geophysical Research*, **1986**, 91, 3020		56
308	Low-Energy Hot Plasma and Particles in Saturn's Magnetosphere. *Science*, **1982**, 215, 571-7	33.3	55
307	Quasi-perpendicular shock acceleration of ions to about 200 MeV and electrons to about 2 MeV observed by Voyager 2. *Astrophysical Journal*, **1985**, 298, 676	4.7	55
306	Particle pressure, inertial force, and ring current density profiles in the magnetosphere of Saturn, based on Cassini measurements. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	54
305	Acceleration and Modulation of Electrons and Ions by Propagating Interplanetary Shocks. *Astrophysics and Space Science Library*, **1977**, 367-389	0.3	53
304	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. *Science*, **2016**, 351, aad9045	33.3	52
303	Simultaneous measurements of energetic ion (50 keV) and electron (20 keV) activity upstream of Earth's bow shock and inside the plasma sheet: Magnetospheric source for the November 3 and December 3, 1977 upstream events. *Journal of Geophysical Research*, **1987**, 92, 12083		52
302	Energetic particle microsignatures of Saturn's satellites. *Journal of Geophysical Research*, **1983**, 88, 8947-8958		52
301	PRECURSORS TO INTERSTELLAR SHOCKS OF SOLAR ORIGIN. *Astrophysical Journal*, **2015**, 809, 121	4.7	51
300	Discovery of a transient radiation belt at Saturn. *Geophysical Research Letters*, **2008**, 35,	4.9	51
299	Low-energy particle population **1983**, 106-156		51
298	The dust halo of Saturn's largest icy moon, Rhea. *Science*, **2008**, 319, 1380-4	33.3	50
297	Detection of energetic hydrogen molecules in Jupiter's magnetosphere by Voyager 2: Evidence for an ionospheric plasma source. *Geophysical Research Letters*, **1980**, 7, 813-816	4.9	50
296	MESSENGER observations of large flux transfer events at Mercury. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	49
295	MESSENGER: Exploring Mercury Magnetosphere. *Space Science Reviews*, **2007**, 131, 133-160	7.5	49
294	The Saturnian plasma sheet as revealed by energetic particle measurements. *Geophysical Research Letters*, **2005**, 32,	4.9	49

293	The bubble-like shape of the heliosphere observed by Voyager and Cassini. *Nature Astronomy*, **2017**, 1,	12.1	48
292	The longitudinal and radial distribution of magnetic reconfigurations in the near-Earth magnetotail as observed by AMPTE/CCE. *Journal of Geophysical Research*, **1988**, 93, 997		48
291	MESSENGER observations of Mercury's magnetosphere during northward IMF. *Geophysical Research Letters*, **2009**, 36, n/a-n/a	4.9	47
290	Energetic particles in the jovian magnetotail. *Science*, **2007**, 318, 220-2	33.3	47
289	Energetic ion distributions on both sides of the Earth's magnetopause. *Journal of Geophysical Research*, **1994**, 99, 8687		47
288	Two-component proton spectra in the inner Saturnian magnetosphere. *Geophysical Research Letters*, **1982**, 9, 1143-1146	4.9	47
287	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission. *Space Science Reviews*, **2008**, 140, 315-385	7.5	46
286	Energetic electrons injected into Saturn's neutral gas cloud. *Geophysical Research Letters*, **2007**, 34,	4.9	46
285	Energetic ions upstream of Jupiter's bow shock. *Journal of Geophysical Research*, **1985**, 90, 3947		46
284	Statistical morphology of ENA emissions at Saturn. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		44
283	Periodic tilting of Saturn's plasma sheet. *Geophysical Research Letters*, **2008**, 35,	4.9	44
282	Charged particle periodicities in Saturn's outer magnetosphere. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		44
281	Shock-associated low-energy ion enhancements observed by Voyagers 1 and 2. *Journal of Geophysical Research*, **1981**, 86, 8819-8831		44
280	Hot plasma parameters of Jupiter's inner magnetosphere. *Journal of Geophysical Research*, **1996**, 101, 7685-7695		43
279	Radial force balance within Jupiter's dayside magnetosphere. *Journal of Geophysical Research*, **1987**, 92, 9931		43
278	Energetic ion and electron phase space densities in the magnetosphere of Uranus. *Journal of Geophysical Research*, **1987**, 92, 15315		42
277	Energetic neutral atom emissions from Titan interaction with Saturn's magnetosphere. *Science*, **2005**, 308, 989-92	33.3	41
276	Upper limits for X - ray and energetic neutral particle emission from Jupiter: Voyager-1 results. *Geophysical Research Letters*, **1981**, 8, 169-172	4.9	41

275	The magnetosphere as a sufficient source for upstream ions on November 1, 1984. *Journal of Geophysical Research*, **1988**, 93, 14328		40
274	Outline of the Active Magnetospheric Particle Tracer Explorers (AMPTE) Mission. *IEEE Transactions on Geoscience and Remote Sensing*, **1985**, GE-23, 177-181	8.1	40
273	Initial observations of geomagnetically trapped protons and alpha particles with OGO 4. *Journal of Geophysical Research*, **1969**, 74, 5132-5138		40
272	Saturn's Magnetospheric Configuration **2009**, 203-255		40
271	Voyager energetic particle observations at interplanetary shocks and upstream of planetary bow shocks: 1977–1990. *Space Science Reviews*, **1992**, 59, 167-201	7.5	39
270	Ion and electron angular distributions in the Io torus region of the Jovian magnetosphere. *Journal of Geophysical Research*, **1981**, 86, 8491-8496		39
269	A reinterpretation of the reported energetic particle fluxes in the vicinity of Mercury. *Journal of Geophysical Research*, **1975**, 80, 4015-4017		39
268	Observations of the February 5–12, 1965, solar particle event with Mariner 4 and Injun 4. *Journal of Geophysical Research*, **1967**, 72, 4471-4486		39
267	Dynamics and seasonal variations in Saturn's magnetospheric plasma sheet, as measured by Cassini. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		38
266	Heliospheric energetic particle observations during the October–November 2003 events. *Journal of Geophysical Research*, **2005**, 110,		38
265	Earthward transport of energetic protons in the Earth's plasma sheet. *Geophysical Research Letters*, **1981**, 8, 527-530	4.9	38
264	Absence of Martian Radiation Belts and Implications Thereof. *Science*, **1965**, 149, 1228-33	33.3	38
263	Long- and short-term variability of Saturn's ionic radiation belts. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		37
262	Anti-planetward auroral electron beams at Saturn. *Nature*, **2006**, 439, 699-702	50.4	37
261	A nebula of gases from Io surrounding Jupiter. *Nature*, **2002**, 415, 994-6	50.4	37
260	Pressure anisotropy and radial stress balance in the Jovian neutral sheet. *Journal of Geophysical Research*, **1991**, 96, 21135		37
259	Whistler mode emissions in the Uranian radiation belts. *Journal of Geophysical Research*, **1987**, 92, 15234		37
258	Energetic ion beam in the Earth's magnetotail lobe. *Geophysical Research Letters*, **1983**, 10, 13-16	4.9	37

257	A plasmapause-like density boundary at high latitudes in Saturn's magnetosphere. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	36
256	Plasma convection in Saturn's outer magnetosphere determined from ions detected by the Cassini INCA experiment. *Geophysical Research Letters*, **2008**, 35,	4.9	36
255	Evidence for spiral pattern in Saturn's magnetosphere using the new SKR longitudes. *Geophysical Research Letters*, **2007**, 34, n/a-n/a	4.9	36
254	Energetic charged particle measurements from Voyager 2 at the heliopause and beyond. *Nature Astronomy*, **2019**, 3, 997-1006	12.1	35
253	Saturn's periodic magnetic field perturbations caused by a rotating partial ring current. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	35
252	The magnetosphere as a source of energetic magnetosheath ions. *Geophysical Research Letters*, **1987**, 14, 1011-1014	4.9	35
251	Transport of energetic electrons into Saturn's inner magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		34
250	A convected K distribution model for hot ions in the Jovian magnetodisc. *Geophysical Research Letters*, **1992**, 19, 1435-1438	4.9	34
249	The magnetotail of Uranus. *Journal of Geophysical Research*, **1987**, 92, 15354		34
248	Observations of a high-energy ion shock spike in interplanetary space. *Geophysical Research Letters*, **1976**, 3, 133-136	4.9	34
247	Possible evidence for large, transient electric fields in the magnetotail from oppositely directed anisotropies of energetic protons and electrons. *Geophysical Research Letters*, **1977**, 4, 137-140	4.9	34
246	Simultaneous Observations of Solar Protons Inside and Outside the Magnetosphere. *Physical Review Letters*, **1967**, 18, 1204-1207	7.4	34
245	Energetic particle observations in the vicinity of Jupiter: Cassini MIMI/LEMMS results. *Journal of Geophysical Research*, **2004**, 109,		33
244	Effects of charged particles on the surfaces of the satellites of Uranus. *Journal of Geophysical Research*, **1987**, 92, 14949		33
243	Particle and field stress balance within a planetary magnetosphere. *Journal of Geophysical Research*, **1985**, 90, 8253		33
242	Observations of Jovian electron events in the vicinity of Earth. *Geophysical Research Letters*, **1975**, 2, 561-564	4.9	33
241	Trapped energetic nuclei Z□ in the Earth's outer radiation zone. *Journal of Geophysical Research*, **1970**, 75, 4210-4215		33
240	Low-energy (□.3 Mev) solar-particle observations at widely separated points (>0.1 AU) during 1967. *Journal of Geophysical Research*, **1971**, 76, 5921-5946		33

239	Radial and local time structure of the Saturnian ring current, revealed by Cassini. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1803-1815	2.6	32
238	MESSENGER and Venus Express observations of the solar wind interaction with Venus. *Geophysical Research Letters*, **2009**, 36,	4.9	32
237	The magnetosphere of Neptune: Hot plasmas and energetic particles. *Journal of Geophysical Research*, **1991**, 96, 19061		32
236	Magnetospheric particle injection and the upstream ion event of September 5, 1984. *Geophysical Research Letters*, **1986**, 13, 1376-1379	4.9	32
235	Particle and magnetic field properties of the Saturnian magnetosheath: Presence and upstream escape of hot magnetospheric plasma. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 1620-1634	2.6	31
234	Azimuthal plasma flow in the Kronian magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		31
233	AMPTE/CCE energetic particle composition measurements during the September 4, 1984 magnetic storm. *Geophysical Research Letters*, **1985**, 12, 317-320	4.9	31
232	Statics of the nightside Jovian plasma sheet. *Geophysical Research Letters*, **1980**, 7, 817-820	4.9	31
231	Statistical study of solar protons, alpha particles, and Z □3 nuclei in 1967□1968. *Journal of Geophysical Research*, **1971**, 76, 4230-4244		31
230	Preacceleration of Anomalous Cosmic Rays in the Inner Heliosphere. *Astrophysical Journal*, **1997**, 486, 471-476	4.7	31
229	Understanding the global evolution of Saturn's ring current. *Geophysical Research Letters*, **2008**, 35,	4.9	30
228	Galileo-measured depletion of near-Io hot ring current plasmas since the Voyager epoch. *Journal of Geophysical Research*, **1998**, 103, 4715-4722		30
227	Energetic carbon, nitrogen, and oxygen nuclei in the Earth's outer radiation zone. *Journal of Geophysical Research*, **1970**, 75, 6085-6091		30
226	Implications on particle storage at the sun from observations of solar-flare proton spectrums. *Journal of Geophysical Research*, **1971**, 76, 792-807		29
225	Injection, Interchange, and Reconnection. *Geophysical Monograph Series*, **2015**, 327-343	1.1	28
224	MESSENGER observations of transient bursts of energetic electrons in Mercury's magnetosphere. *Science*, **2011**, 333, 1865-8	33.3	28
223	Dual periodicities in energetic electrons at Saturn. *Geophysical Research Letters*, **2009**, 36,	4.9	28
222	Evidence for solar magnetic loops beyond 1 Au. *Geophysical Research Letters*, **1982**, 9, 167-170	4.9	28

221	The radial gradient of interplanetary radiation measured by Mariners 4 and 5. *Journal of Geophysical Research*, **1969**, 74, 4129-4145		28
220	Alpha Particles Trapped in the Earth Magnetic Field. *Astrophysics and Space Science Library*, **1970**, 364-379	69	28
219	A THREE-COORDINATE SYSTEM (ECLIPTIC, GALACTIC, ISMF) SPECTRAL ANALYSIS OF HELIOSPHERIC ENA EMISSIONS USINGCASSINI/INCA MEASUREMENTS. *Astrophysical Journal*, **2013**, 778, 40	4.7	27
218	Quasi-trapped ion and electron populations at Mercury. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	27
217	Electron periodicities in Saturn's outer magnetosphere. *Journal of Geophysical Research*, **2007**, 112, n/a-n/a		27
216	Long-term fluences of energetic particles in the heliosphere. *AIP Conference Proceedings*, **2001**,	0	27
215	Observation by Ulysses of hot (~270 keV) coronal particles at 32 south heliolatitude and 4.6 AU. *Geophysical Research Letters*, **1994**, 21, 1747-1750	4.9	27
214	Energetic (~ 100-keV) tailward-directed ion beam outside the Jovian plasma boundary. *Geophysical Research Letters*, **1980**, 7, 13-16	4.9	27
213	Z-rich solar particle event characteristics 1972-1976. *Astrophysical Journal*, **1978**, 225, 281	4.7	27
212	The extended Saturnian neutral cloud as revealed by global ENA simulations using Cassini/MIMI measurements. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3027-3041	2.6	26
211	Evidence of Enceladus and Tethys microsignatures. *Geophysical Research Letters*, **2005**, 32,	4.9	26
210	A model of global convection in Jupiter's magnetosphere. *Journal of Geophysical Research*, **1989**, 94, 12003		26
209	MESSENGER observations of suprathermal electrons in Mercury's magnetosphere. *Geophysical Research Letters*, **2016**, 43, 550-555	4.9	25
208	Observations of suprathermal electrons in Mercury's magnetosphere during the three MESSENGER flybys. *Planetary and Space Science*, **2011**, 59, 2016-2025	2	25
207	Electron transport and precipitation at Mercury during the MESSENGER flybys: Implications for electron-stimulated desorption. *Planetary and Space Science*, **2011**, 59, 2026-2036	2	25
206	Asymmetries in Saturn's radiation belts. *Journal of Geophysical Research*, **2010**, 115,		25
205	Low energy electron microsignatures at the orbit of Tethys: Cassini MIMI/LEMMS observations. *Geophysical Research Letters*, **2005**, 32,	4.9	25
204	Formation of Saturn's ring spokes by lightning-induced electron beams. *Geophysical Research Letters*, **2006**, 33,	4.9	25

203	Energetic neutral atoms from Jupiter measured with the Cassini magnetospheric imaging instrument: Time dependence and composition. *Journal of Geophysical Research*, **2004**, 109,		25
202	Ions of Jovian origin observed by Voyager 1 and 2 in interplanetary space. *Geophysical Research Letters*, **1980**, 7, 453-456	4.9	25
201	Energetic Ion Moments and Polytropic Index in Saturn's Magnetosphere using Cassini/MIMI Measurements: A Simple Model Based on Distribution Functions. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 8066-8086	2.6	25
200	The Mushroom: A half-sky energetic ion and electron detector. *Journal of Geophysical Research: Space Physics*, **2017**, 122, 1513-1530	2.6	24
199	Titan's ionosphere in the magnetosheath: Cassini RPWS results during the T32 flyby. *Annales Geophysicae*, **2009**, 27, 4257-4272	2	24
198	Leakage of energetic particles from Jupiter's dusk magnetosphere: Dual spacecraft observations. *Geophysical Research Letters*, **2002**, 29, 26-1-26-4	4.9	24
197	Energetic particle transport in the upstream region of Jupiter: Voyager results. *Journal of Geophysical Research*, **1984**, 89, 3775		24
196	Intense energetic electron flux enhancements in Mercury's magnetosphere: An integrated view with high-resolution observations from MESSENGER. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 2171-2184	2.6	24
195	L shell distribution of energetic electrons at Saturn. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		23
194	Energetic particle activity at 5-min and 10-s time resolution in the magnetotail and its relation to auroral activity. *Journal of Geophysical Research*, **1979**, 84, 7123		23
193	Spatial distribution and spectral characteristics of energetic electrons in Mercury's magnetosphere. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		22
192	Identification of Saturn's magnetospheric regions and associated plasma processes: Synopsis of Cassini observations during orbit insertion. *Reviews of Geophysics*, **2008**, 46,	23.1	22
191	Spin-period effects in magnetospheres with no axial tilt. *Geophysical Research Letters*, **2007**, 34,	4.9	22
190	Tailward progression of magnetotail acceleration centers: Relationship to substorm current wedge. *Journal of Geophysical Research*, **1996**, 101, 24599-24619		22
189	Observations of counterstreaming between plasma and energetic particles in the magnetotail. *Journal of Geophysical Research*, **1978**, 83, 5655		22
188	Detailed study on acceleration and propagation of energetic protons and electrons in the magnetotail during substorm activity. *Journal of Geophysical Research*, **1981**, 86, 6727		21
187	Interplanetary acceleration of relativistic electrons observed with Imp 7. *Journal of Geophysical Research*, **1976**, 81, 677-682		21
186	Isotopic Composition of Solar Energetic Particle Events Measured byAdvanced Composition Explorer/ULEIS. *Astrophysical Journal*, **2001**, 563, 403-409	4.7	21

185	Pitch angle distributions of energetic electrons at Saturn. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		20
184	Characteristics of upstream energetic (E50 keV) ion events during intense geomagnetic activity. *Journal of Geophysical Research*, **1998**, 103, 9521-9533		20
183	The latitude and radial dependence of shock acceleration in the heliosphere. *Journal of Geophysical Research*, **1988**, 93, 991		20
182	Latitudinal and field-aligned cosmic ray gradients 2 to 5 AU Voyagers 1 and 2 and IMP 8. *Journal of Geophysical Research*, **1983**, 88, 9889		20
181	Near equality of ion phase space densities at Earth, Jupiter, and Saturn. *Journal of Geophysical Research*, **1985**, 90, 526-530		20
180	Deep space observations of the east-west asymmetry of solar energetic storm particle events: Voyagers 1 and 2. *Journal of Geophysical Research*, **1985**, 90, 3961		20
179	Effects of Titan on trapped particles in Saturn's magnetosphere. *Journal of Geophysical Research*, **1982**, 87, 1411-1418		20
178	The magnetospheric contribution to the quiet-time low energy nucleon spectrum in the vicinity of Earth. *Geophysical Research Letters*, **1975**, 2, 457-460	4.9	20
177	Recent Particle Measurements from Voyagers 1 and 2. *Journal of Physics: Conference Series*, **2015**, 577, 012006	0.3	19
176	Identification of photoelectron energy peaks in Saturn's inner neutral torus. *Journal of Geophysical Research*, **2009**, 114, n/a-n/a		19
175	Direct observation of warping in the plasma sheet of Saturn. *Geophysical Research Letters*, **2008**, 35,	4.9	19
174	Periodicity of 151 days in outer heliospheric anomalous cosmic ray fluxes. *Journal of Geophysical Research*, **2001**, 106, 8315-8322		19
173	Over the southern solar pole: low-energy interplanetary charged particles. *Science*, **1995**, 268, 1010-3	33.3	19
172	Simultaneous energetic particle observations at geostationary orbit and in the upstream solar wind: Evidence for leakage during the magnetospheric compression event of November 1, 1984. *Journal of Geophysical Research*, **1988**, 93, 14317		19
171	Radial gradient of cosmic ray intensity from a comparative study of data from Voyager 1 and 2 and IMP 8. *Journal of Geophysical Research*, **1984**, 89, 3735		19
170	Measurements of geomagnetically trapped alpha particles, 19681970, 1. Quiet time distributions. *Journal of Geophysical Research*, **1973**, 78, 7275-7285		19
169	A radiation belt of energetic protons located between Saturn and its rings. *Science*, **2018**, 362,	33.3	19
168	Composition of Interstellar Neutrals and the Origin of Anomalous Cosmic Rays. *Space Science Reviews*, **2009**, 143, 163-175	7.5	18

167	Track analysis of energetic neutral atom blobs at Saturn. *Journal of Geophysical Research*, **2008**, 113, n/a-n/a		18
166	Heliospheric energetic particle observations by the Cassini spacecraft: Correlation with 1 AU observations. *Journal of Geophysical Research*, **2004**, 109,		18
165	Acceleration of Energetic Oxygen (E> 137 KEV) in the Storm-Time Ring Current. *Geophysical Monograph Series*, **2013**, 149-152	1.1	17
164	Recent findings on angular distributions of dayside ring current energetic ions. *Journal of Geophysical Research*, **1990**, 95, 20839		17
163	Low-energy particles at the bow shock, magnetopause, and outer magnetosphere of Saturn. *Journal of Geophysical Research*, **1983**, 88, 8817-8830		17
162	Corotation anisotropies in Saturn's magnetosphere. *Journal of Geophysical Research*, **1983**, 88, 8937-8946		17
161	Low-energy cosmic rays near Earth. *Journal of Geophysical Research*, **1971**, 76, 2228-2235		17
160	Observations of protons in the magnetosphere with Mariner 4. *Journal of Geophysical Research*, **1966**, 71, 4641-4650		17
159	Observation of ~500-keV Protons in Interplanetary Space with Mariner IV. *Physical Review Letters*, **1966**, 16, 419-423	7.4	17
158	Near-term interstellar probe: First step. *Acta Astronautica*, **2019**, 162, 284-299	2.9	16
157	Properties of Suprathermal-through-energetic He Ions Associated with Stream Interaction Regions Observed over the Parker Solar Probe's First Two Orbits. *Astrophysical Journal, Supplement Series*, **2020**, 246, 56	8	16
156	Long term time variations of the suprathermal ions in Saturn's magnetosphere. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	16
155	The lower exosphere of Titan: Energetic neutral atoms absorption and imaging. *Journal of Geophysical Research*, **2008**, 113,		16
154	Low-energy ions near the termination shock. *AIP Conference Proceedings*, **2006**,	0	16
153	Upstream energetic ions under radial IMF: A critical test of the Fermi Model. *Geophysical Research Letters*, **1988**, 15, 233-236	4.9	16
152	Estimate of cosmic-ray latitudinal gradient in 1981-1982. *Astrophysical Journal*, **1984**, 278, L119	4.7	16
151	Close Cassini flybys of Saturn's ring moons Pan, Daphnis, Atlas, Pandora, and Epimetheus. *Science*, **2019**, 364,	33.3	15
150	DEPENDENCE OF ENERGETIC ION AND ELECTRON INTENSITIES ON PROXIMITY TO THE MAGNETICALLY SECTORED HELIOSHEATH:VOYAGER 1AND2OBSERVATIONS. *Astrophysical Journal* , **2014**, 781, 94	4.7	15

149	Hot plasma parameters in Neptune's magnetosphere. *Geophysical Research Letters*, **1990**, 17, 1685-1688	4.9	15
148	Latitudinal gradient of energetic particles in the outer heliosphere during 1985–1986. *Journal of Geophysical Research*, **1987**, 92, 3375		15
147	Observational test of shock drift and fermi acceleration on a seed particle population upstream of Earth's bow shock. *Journal of Geophysical Research*, **1988**, 93, 5541		15
146	Plasma Pressures in the Heliosheath From Cassini ENA and Voyager 2 Measurements: Validation by the Voyager 2 Heliopause Crossing. *Geophysical Research Letters*, **2019**, 46, 7911-7919	4.9	14
145	Observations of the 2019 April 4 Solar Energetic Particle Event at the Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 35	8	14
144	Saturn suprathermal O2+ and mass-28+ molecular ions: Long-term seasonal and solar variation. *Journal of Geophysical Research: Space Physics*, **2013**, 118, 3446-3463	2.6	14
143	Energetic charged particle angular distributions near (r ⩽ 2 RN) and over the pole of Neptune. *Geophysical Research Letters*, **1990**, 17, 1701-1704	4.9	14
142	Energetic particles at venus: galileo results. *Science*, **1991**, 253, 1525-8	33.3	14
141	Modeling of interaction of artificially released lithium with the Earth's bow shock. *Geophysical Research Letters*, **1983**, 10, 525-528	4.9	14
140	AMPTE lithium tracer releases in the solar wind: Observations inside the magnetosphere. *Journal of Geophysical Research*, **1986**, 91, 1339		14
139	Using the kappa function to investigate hot plasma in the magnetospheres of the giant planets. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 8426-8447	2.6	13
138	Variations of Low-energy Ion Distributions Measured in the Heliosheath **2010**,		13
137	Neptune's polar cusp region: Observations and magnetic field analysis. *Journal of Geophysical Research*, **1992**, 97, 8135		13
136	Low-frequency waves and associated energetic ions downstream of Saturn. *Journal of Geophysical Research*, **1985**, 90, 10791		13
135	Magnetosphere Imaging Instrument (MIMI) on the Cassini Mission to Saturn/Titan **2004**, 233-329		13
134	Energetic neutral atom (ENA) and charged particle periodicities in Saturn's magnetosphere. *Advances in Space Research*, **2009**, 44, 483-493	2.4	12
133	Cosmic-ray observations in 1964–65 with Mariner IV. *Canadian Journal of Physics*, **1968**, 46, S976-S980	1.1	12
132	Solar Energetic Particles Below 10 MeV. *Astrophysics and Space Science Library*, **1977**, 343-365	0.3	12

131	Evolution of Anomalous Cosmic-Ray Oxygen and Helium Energy Spectra during the Solar Cycle 22 Recovery Phase in the Outer Heliosphere. *Astrophysical Journal*, **2002**, 572, L169-L172	4.7	12
130	Cassini observations of Saturn's southern polar cusp. *Journal of Geophysical Research: Space Physics*, **2016**, 121, 3006-3030	2.6	12
129	Heliospheric Conditions at Saturn During Cassini's Ring-Grazing and Proximal Orbits. *Geophysical Research Letters*, **2018**, 45, 10812-10818	4.9	12
128	Internal Versus External Sources of Plasma at Saturn: Overview From Magnetospheric Imaging Investigation/Charge-Energy-Mass Spectrometer Data. *Journal of Geophysical Research: Space Physics*, **2018**, 123, 4712-4727	2.6	12
127	HELIOSHEATH MAGNETIC FIELD AND PLASMA OBSERVED BYVOYAGER2 DURING 2012 IN THE RISING PHASE OF SOLAR CYCLE 24. *Astrophysical Journal*, **2016**, 818, 147	4.7	11
126	Origin of the Differential Fluxes of Low-energy Electrons in the Inner Heliosheath. *Astrophysical Journal Letters*, **2017**, 848, L3	7.9	11
125	Instrumentation for Energetic Neutral Atom Imaging of Magnetospheres. *Geophysical Monograph Series*, **2013**, 165-170	1.1	11
124	Evidence of a source of energetic ions at Saturn. *Journal of Geophysical Research*, **1997**, 102, 17459-17466		11
123	Evidence and features of magnetospheric particle leakage on days 306, 1995: Wind, Geotail, and IMP 8 observations compared. *Journal of Geophysical Research*, **2005**, 110,		11
122	Detection of a hot plasma component within the core regions of Jupiter's distant magnetotail. *Journal of Geophysical Research*, **1987**, 92, 9943		11
121	The galactic cosmic ray intensity minimum in the inner and outer heliosphere in solar cycle 21. *Journal of Geophysical Research*, **1985**, 90, 2905		11
120	Several features of the earthward and tailward streaming of energetic protons (0.290.5 MeV) in the Earth's plasma sheet. *Journal of Geophysical Research*, **1981**, 86, 11173		11
119	Association between magnetic field fluctuations and energetic particle bursts in the Earth's magnetotail. *Journal of Geophysical Research*, **1982**, 87, 8315		11
118	A comparison of measurements of the charge spectrum of solar cosmic rays from nuclear emulsions and the Explorer 35 solid-state detector. *Journal of Geophysical Research*, **1972**, 77, 3607-3612		11
117	Statistical properties of shock-accelerated ions in the outer heliosphere. *Astrophysical Journal*, **1991**, 380, L93	4.7	11
116	Sources, Sinks, and Transport of Energetic Electrons Near Saturn's Main Rings. *Geophysical Research Letters*, **2019**, 46, 3590-3598	4.9	11
115	Small, Low-energy, Dispersive Solar Energetic Particle Events Observed by Parker Solar Probe. *Astrophysical Journal, Supplement Series*, **2020**, 246, 65	8	10
114	Suprathermal magnetospheric minor ions heavier than water at Saturn: Discovery of 28M+ seasonal variations. *Journal of Geophysical Research: Space Physics*, **2014**, 119, 5662-5673	2.6	10

113	Post-equinox periodicities in Saturn's energetic electrons. *Geophysical Research Letters*, **2011**, 38, n/a-n/a	4.9	10
112	Energetic ion composition in Saturn's magnetosphere revisited. *Geophysical Research Letters*, **2004**, 31,	4.9	10
111	Latitude-associated differences in the Low Energy Charged Particle activity at Voyagers 1 and 2 during 1991 to early 1994. *Space Science Reviews*, **1995**, 72, 347-352	7.5	10
110	Further on the October 31, 1977 upstream event: A response to D. C. Ellison. *Journal of Geophysical Research*, **1987**, 92, 12461		10
109	Association between energetic particle bursts and Birkeland currents in the geomagnetic tail. *Journal of Geophysical Research*, **1984**, 89, 10741		10
108	Observation of temporal and spatial variations in the Fe/O charge composition of the solar particle event of 4 July, 1974. *Solar Physics*, **1976**, 49, 395-407	2.6	10
107	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. *Astrophysical Journal*, **2020** , 904, 165	4.7	10
106	Response times of Cassini/INCA > 5.2 keV ENAs and Voyager ions in the heliosheath over the solar cycle. *Journal of Physics: Conference Series*, **2017**, 900, 012005	0.3	9
105	ENA periodicities and their phase relations to SKR emissions at Saturn. *Geophysical Research Letters* , **2011**, 38, n/a-n/a	4.9	9
104	ENA (E>5 keV) Images from Cassini and Voyager Ground truth Suprathermal Pressure in the Heliosheath **2010**,		9
103	Cassini ENA images of the heliosheath and Voyager Ground truth Thickness of the heliosheath **2012**,		9
102	How Common is Energetic 3He in the Inner Heliosphere?. *AIP Conference Proceedings*, **2003**,	0	9
101	Imaging neutral particle detector. *International Journal of Remote Sensing*, **1994**, 8, 101-145		9
100	On the plasma conditions at the dayside magnetopause of Saturn. *Geophysical Research Letters*, **1983**, 10, 1200-1202	4.9	9
99	Several observations of low-energy solar-proton spectra and possible interpretations. *Journal of Geophysical Research*, **1972**, 77, 3985-3998		9
98	Convection in the Magnetosphere of Saturn During the Cassini Mission Derived From MIMI INCA and CHEMS Measurements. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027534	2.6	8
97	Suprathermal Ions in the Outer Heliosphere. *Astrophysical Journal*, **2019**, 876, 46	4.7	8
96	Energetic Oxygen and Sulfur Charge States in the Outer Jovian Magnetosphere: Insights From the Cassini Jupiter Flyby. *Geophysical Research Letters*, **2019**, 46, 11709-11717	4.9	8

95	Discovery of suprathermal Fe+ in Saturn's magnetosphere. *Journal of Geophysical Research: Space Physics*, **2015**, 120, 2720-2738	2.6	8
94	The detection of energetic electrons with the Cassini Langmuir probe at Saturn. *Journal of Geophysical Research*, **2012**, 117, n/a-n/a		8
93	Energetic electron spectra in Saturn's plasma sheet. *Journal of Geophysical Research*, **2011**, 116, n/a-n/a		8
92	Phase relations between energetic neutral atom intensities and kilometric radio emissions at Saturn. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		8
91	Energetic electron microsignatures as tracers of radial flows and dynamics in Saturn's innermost magnetosphere. *Journal of Geophysical Research*, **2010**, 115, n/a-n/a		8
90	A Foreshock Model for Interstellar Shocks of Solar Origin: Voyager 1 and 2 Observations. *Astronomical Journal*, **2021**, 161, 11	4.9	8
89	Hydrogen over helium enhancement in successive solar flare particle events from the same active region. *Astrophysical Journal*, **1979**, 228, L83	4.7	8
88	Longitude dependences of energetic H+ and O+ at Saturn. *Journal of Geophysical Research*, **2010**, 115,		7
87	Solar wind periodicity in energetic electrons at Saturn. *Geophysical Research Letters*, **2009**, 36,	4.9	7
86	Modeling the response of the induced magnetosphere of Venus to changing IMF direction using MESSENGER and Venus Express observations. *Geophysical Research Letters*, **2009**, 36,	4.9	7
85	Particle Acceleration at the Termination Shock: Voyager 1 and 2 Observations. *AIP Conference Proceedings*, **2008**,	0	7
84	Simultaneous observations of energetic (~150 keV) protons upstream of the Earth's bow shock at ACE and WIND. *Geophysical Research Letters*, **1999**, 26, 169-172	4.9	7
83	Neptune's inner magnetosphere and aurora: Energetic particle constraints. *Journal of Geophysical Research*, **1994**, 99, 14781		7
82	Ion phase space densities in the Jovian magnetosphere. *Journal of Geophysical Research*, **1990**, 95, 20833		7
81	Comparitive Magnetospheres. *Physics Today*, **1985**, 38, 24-34	0.9	7
80	Multispacecraft observations of the east-west asymmetry of solar Energetic Storm Particle events. *Solar Physics*, **1985**, 96, 413-421	2.6	7
79	Changes in the distribution of low-energy trapped protons associated with the April 17, 1965, magnetic storm. *Journal of Geophysical Research*, **1972**, 77, 112-130		7
78	Combined ~10 eV to ~344 MeV Particle Spectra and Pressures in the Heliosheath along the Voyager 2 Trajectory. *Astrophysical Journal Letters*, **2020**, 905, L24	7.9	7

77	Energetic Neutral and Charged Particle Measurements in the Inner Saturnian Magnetosphere During the Grand Finale Orbits of Cassini 2016/2017. *Geophysical Research Letters*, **2018**, 45, 10,847	4.9	7
76	Jovian Cosmic-Ray Protons in the Heliosphere: Constraints by Cassini Observations. *Astrophysical Journal*, **2019**, 871, 223	4.7	6
75	Interstellar Probe: Impact of the Voyager and IBEX results on science and strategy. *Acta Astronautica*, **2011**, 69, 767-776	2.9	6
74	Polar Coronal Hole Evolution 2006–2009: Effects At Voyagers 1/2 In The Heliosheath **2010**,		6
73	Titan's exosphere and its interaction with Saturn's magnetosphere. *Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences*, **2009**, 367, 743-52	3	6
72	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. *Space Science Reviews*, **2007**, 130, 243-253	7.5	6
71	Energetic particle measurements during the Earth swing-by of the Cassini spacecraft in August 1999. *Journal of Geophysical Research*, **2001**, 106, 30209-30222		6
70	The solar wind velocity determined from Voyager 1 and 2: Low-Energy Charged Particle measurements in the outer heliosphere. *Journal of Geophysical Research*, **1998**, 103, 267-276		6
69	Latitudinal and radial variation of shock associated 30 keV ion spectra and anisotropies at Voyagers 1 and 2. *Space Science Reviews*, **1995**, 72, 353-358	7.5	6
68	Growth and evolution of a plasmoid associated with a small, isolated substorm: IMP 8 and GEOTAIL measurements in the magnetotail. *Geophysical Research Letters*, **1995**, 22, 3011-3014	4.9	6
67	Unusual satellite-electron signature within the Uranian magnetosphere and its implications regarding whistler electron loss processes. *Journal of Geophysical Research*, **1994**, 99, 19441		6
66	Comment on "Multispacecraft observations of energetic ions upstream and downstream of the bow shock" by Scholer et al.. *Geophysical Research Letters*, **1990**, 17, 1165-1168	4.9	6
65	Structure and dynamics of the Uranian magnetotail: Results from hot plasma and magnetic field observations. *Journal of Geophysical Research*, **1991**, 96, 11485		6
64	Magnetosheath bursts of predominantly medium nuclei observed with Imp 8 on February 16, 1974. *Journal of Geophysical Research*, **1978**, 83, 5198		6
63	Observations of low-energy (0.3- to 1.8-Mev) Differential spectrums of trapped protons. *Journal of Geophysical Research*, **1971**, 76, 7618-7631		6
62	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. *Astrophysical Journal*, **2020**, 905, 69	4.7	6
61	Detailed Observations of a Burst of Energetic Particles in the Deep Magnetotail by Geotail. *Journal of Geomagnetism and Geoelectricity*, **1996**, 48, 649-656		6
60	Latitude Dependence of Co-Rotating Shock Acceleration in the Outer Heliosphere. *Astrophysics and Space Science Library*, **1986**, 325-329	0.3	6

59	The Ring Current of Saturn. *Geophysical Monograph Series*, **2018**, 139-154	1.1	5
58	Energetic Neutral Atom (ENA) intensity gradients in the heliotail during year 2003, using Cassini/INCA measurements. *Journal of Physics: Conference Series*, **2015**, 577, 012007	0.3	5
57	Innovative Interstellar Explorer: Radioisotope Propulsion to the Interstellar Medium **2005**,		5
56	Heliosheath particles, anomalous cosmic rays and a possible "third source" of energetic ions. *AIP Conference Proceedings*, **2006**,	0	5
55	Observed absence of energetic electrons and protons near Venus. *Journal of Geophysical Research*, **1968**, 73, 421-425		5
54	Mercury's Dynamic Magnetosphere **2018**, 461-496		5
53	Ions Measured by Voyager 1 Outside the Heliopause to ~28 au and Implications Thereof. *Astrophysical Journal*, **2021**, 917, 42	4.7	5
52	Implications of Generalized Rankine-Hugoniot Conditions for the PUI Population at the Voyager 2 Termination Shock **2010**,		4
51	Anomalous cosmic ray intensity variations in the inner and outer heliosphere during the solar cycle 22 recovery phase (1991–1999). *Journal of Geophysical Research*, **2003**, 108,		4
50	Ion burst event in the Earth's dayside magnetosheath. *Geophysical Research Letters*, **1991**, 18, 377-380	4.9	4
49	Helioradius Dependence of Interplanetary Carbon and Oxygen Abundances during 1991 Solar Activity. *Astrophysical Journal*, **1996**, 468, L123-L126	4.7	4
48	Mapping Saturn's Nightside Plasma Sheet Using Cassini's Proximal Orbits. *Geophysical Research Letters*, **2018**, 45, 6798-6804	4.9	4
47	Energetic Neutral Particle Imaging of Saturn'S Magnetosphere. *Geophysical Monograph Series*, **2013** , 253-260	1.1	3
46	Foreshock, termination shock, and heliosheath: Voyager 1/2 observations of structure and turbulence. *AIP Conference Proceedings*, **2007**,	0	3
45	Observations of pick-up ions in the outer heliosphere by Voyagers 1 and 2. *AIP Conference Proceedings*, **2000**,	0	3
44	Solar energetic particle propagation in 1997–99: Observations from ACE, Ulysses, and Voyagers 1 and 2. *AIP Conference Proceedings*, **2000**,	0	3
43	Measurement of anomalous cosmic ray oxygen at heliolatitudes ~25° to ~64°. *Geophysical Research Letters*, **1995**, 22, 333-336	4.9	3
42	Imaging-neutral camera (INCA) for the NASA Cassini mission to Saturn and Titan **1996**, 2803, 154		3

41	Absence of upstream energetic ions under turbulent radial interplanetary magnetic field. *Journal of Geophysical Research*, **1992**, 97, 8231		3
40	Reply to Comment on : Upstream energetic ions under radial IMF: A critical test of the Fermi model *Geophysical Research Letters*, **1989**, 16, 113-116	4.9	3
39	The Voyagers' Odyssey. *American Scientist*, **2015**, 103, 284	2.7	3
38	In situ acceleration and gradients of charged particles in the outer solar system observed by the voyager spacecraft. *Astrophysics and Space Science*, **1988**, 144, 463-486	1.6	3
37	The imaging neutral camera for the Cassini mission to Saturn and Titan. *Geophysical Monograph Series*, **1998**, 281-287	1.1	3
36	The Structure of the Global Heliosphere as Seen by In-Situ Ions from the Voyagers and Remotely Sensed ENAs from Cassini. *Space Science Reviews*, **2022**, 218, 1	7.5	3
35	MESSENGER at Mercury: Early orbital operations. *Acta Astronautica*, **2014**, 93, 509-515	2.9	2
34	Termination Shock and Heliosheath: Energetic Ion Variations Measured at Voyagers 1 and 2 **2009**,		2
33	Unusually short period in electrons at Saturn. *Geophysical Research Letters*, **2012**, 39, n/a-n/a	4.9	2
32	Interstellar Pathfinder A Mission to the Inner Edge of the Interstellar Medium. *AIP Conference Proceedings*, **2003**,	0	2
31	Energetic Particle Observations Near the Termination Shock. *AIP Conference Proceedings*, **2004**,	0	2
30	Low-energy solar cosmic rays: A bibliography. *Reviews of Geophysics*, **1975**, 13, 1092	23.1	2
29	Measurement of Radial and Latitudinal Gradients of Cosmic Ray Intensity During the Decreasing Phase of Sunspot Cycle 21. *Astrophysics and Space Science Library*, **1986**, 389-394	0.3	2
28	The Composition of ~96 keV W+ in Saturn's Magnetosphere. *Journal of Geophysical Research: Space Physics*, **2020**, 125, e2019JA027315	2.6	2
27	MESSENGER: Exploring Mercury Magnetosphere **2007**, 133-160		2
26	Review of Knowledge Prior to the Cassini-Huygens Mission and Concurrent Research **2009**, 9-54		2
25	Local Time Asymmetries in Saturn's Magnetosphere. *Geophysical Monograph Series*, **2017**, 323-336	1.1	1
24	Saturn magnetosphere: An example of dynamic planetary systems **2011**,		1

23	Pitch Angle Distributions of 0.6–1.8 MeV Protons Observed by Voyager 1 at 85–87 AU. *AIP Conference Proceedings*, **2004**,	0	1
22	Low-energy interplanetary charged particles: Solar south pole to solar north pole and high heliolatitudes **1996**, 19, 927-933		1
21	Probing the heliomagnetosphere. *Eos*, **1990**, 71, 1755	1.5	1
20	Studies of storm-time ring current from the AMPTE/CCE MEPA measurements. *Physica Scripta*, **1987**, 36, 378-381	2.6	1
19	Correction to paper by S. M. Krimigis, "Interplanetary diffusion model for the time behavior of intensity in a solar cosmic-ray event" *Journal of Geophysical Research*, **1967**, 72, 4031-4031		1
18	Magnetospheric and Plasma Science with Cassini-Huygens **2003**, 253-346		1
17	Pluto's Interaction With Energetic Heliospheric Ions. *Journal of Geophysical Research: Space Physics*, **2019**, 124, 7413-7424	2.6	1
16	The Pluto Energetic Particle Spectrometer Science Investigation (PEPSSI) on the New Horizons Mission **2009**, 315-385		1
15	The Encounter of Voyager 2 with Neptune's Magnetosphere **1990**, 41-59		1
14	On the Energization of Pickup Ions Downstream of the Heliospheric Termination Shock by Comparing 0.52–5 keV Observed Energetic Neutral Atom Spectra to Ones Inferred from Proton Hybrid Simulations. *Astrophysical Journal Letters*, **2022**, 931, L21	7.9	0
13	Economic crisis: Call to support Greek research reforms. *Nature*, **2011**, 479, 41	50.4	
12	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	0.1	
11	AGU and nuclear war. *Eos*, **1983**, 64, 585	1.5	
10	Priorities for solar and space physics. *Eos*, **1984**, 65, 337	1.5	
9	Committee on Solar and Space Physics. *Eos*, **1986**, 67, 635	1.5	
8	Low Energy Particles in the Global Heliosphere 2001–2004: 1 to 90 AU **2001**, 243-248		
7	Evidence for a Two-Stage Acceleration Process in Large Solar Energetic Particle Events. *Space Sciences Series of ISSI*, **2007**, 243-253	0.1	
6	In Situ Acceleration and Gradients of Charged Particles in the Outer Solar System Observed by the Voyager Spacecraft **1988**, 463-486		

5	Latitudinal and Radial Variation of Shock Associated 30 KeV Ion Spectra and Anisotropies at Voyagers 1 and 2 **1995**, 353-358	
4	Composition of Interstellar Neutrals and the Origin of Anomalous Cosmic Rays. *Space Sciences Series of ISSI*, **2009**, 163-175	0.1
3	Planetary Magnetospheres: The in Situ Astrophysical Laboratories **1969**, 229-272	
2	Voyager Encounters with Jupiter's Magnetosphere: Results of the Low Energy Charged Particle (LECP) Experiment **1982**, 191-200	
1	Suprathermal Ion Energy Spectra and Anisotropies near the Heliospheric Current Sheet Crossing Observed by the Parker Solar Probe during Encounter 7. *Astrophysical Journal*, **2022**, 927, 62	4.7