

Mihaly Horanyi

List of Publications by Year in descending order

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320
papers

12,341
citations

23567

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37204

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330
all docs

330
docs citations

330
times ranked

5395
citing authors

#	ARTICLE	IF	CITATIONS
1	CHARGED DUST DYNAMICS IN THE SOLAR SYSTEM. Annual Review of Astronomy and Astrophysics, 1996, 34, 383-418.	24.3	541
2	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	12.6	407
3	Discovery of Jovian dust streams and interstellar grains by the Ulysses spacecraft. Nature, 1993, 362, 428-430.	27.8	388
4	Ongoing hydrothermal activities within Enceladus. Nature, 2015, 519, 207-210.	27.8	382
5	Lunar surface: Dust dynamics and regolith mechanics. Reviews of Geophysics, 2007, 45, .	23.0	272
6	Mechanism for the acceleration and ejection of dust grains from Jupiter's magnetosphere. Nature, 1993, 363, 144-146.	27.8	260
7	The Cassini Cosmic Dust Analyzer. Space Science Reviews, 2004, 114, 465-518.	8.1	230
8	The geology of Pluto and Charon through the eyes of New Horizons. Science, 2016, 351, 1284-1293.	12.6	219
9	The atmosphere of Pluto as observed by New Horizons. Science, 2016, 351, aad8866.	12.6	201
10	Charging of Dust Grains in Plasma with Energetic Electrons. Physical Review Letters, 1995, 75, 838-841.	7.8	198
11	The Aeronomy of Ice in the Mesosphere (AIM) mission: Overview and early science results. Journal of Atmospheric and Solar-Terrestrial Physics, 2009, 71, 289-299.	1.6	179
12	A permanent, asymmetric dust cloud around the Moon. Nature, 2015, 522, 324-326.	27.8	174
13	The dynamics of Saturn's E ring particles. Icarus, 1992, 97, 248-259.	2.5	135
14	Dust charging and transport on airless planetary bodies. Geophysical Research Letters, 2016, 43, 6103-6110.	4.0	130
15	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129
16	Trajectories of charged dust grains in the cometary environment. Astrophysical Journal, 1985, 294, 357.	4.5	123
17	Dusty plasma effects in Saturn's magnetosphere. Reviews of Geophysics, 2004, 42, .	23.0	121
18	The effects of electrostatic charging on the dust distribution at Halley's Comet. Astrophysical Journal, 1986, 307, 800.	4.5	121

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19	Photoelectric Charging of Dust Particles in Vacuum. <i>Physical Review Letters</i> , 2000, 84, 6034-6037.	7.8	118
20	Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects. <i>Science</i> , 2019, 363, 955-959.	12.6	116
21	Dust transport in photoelectron layers and the formation of dust ponds on Eros. <i>Icarus</i> , 2005, 175, 159-169.	2.5	115
22	Simulations of the photoelectron sheath and dust levitation on the lunar surface. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	114
23	Experimental investigations on photoelectric and triboelectric charging of dust. <i>Journal of Geophysical Research</i> , 2001, 106, 8343-8356.	3.3	113
24	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. <i>Science</i> , 2019, 364, .	12.6	113
25	Coagulation of dust particles in a plasma. <i>Astrophysical Journal</i> , 1990, 361, 155.	4.5	111
26	Gas dynamic heating of chondrule precursor grains in the solar nebula. <i>Icarus</i> , 1991, 93, 259-269.	2.5	110
27	Sublimation and reformation of Icy grains in the primitive solar nebula. <i>Icarus</i> , 1991, 94, 333-344.	2.5	104
28	Measurement of the charging of individual dust grains in a plasma. <i>IEEE Transactions on Plasma Science</i> , 1994, 22, 97-102.	1.3	97
29	The Lunar Dust Experiment (LDEX) Onboard the Lunar Atmosphere and Dust Environment Explorer (LADEE) Mission. <i>Space Science Reviews</i> , 2014, 185, 93-113.	8.1	97
30	The lunar dust environment. <i>Planetary and Space Science</i> , 2011, 59, 1672-1680.	1.7	96
31	Southâ€“North and Radial Traverses through the Interplanetary Dust Cloud. <i>Icarus</i> , 1997, 129, 270-288.	2.5	94
32	Electrostatic charging properties of Apollo 17 lunar dust. <i>Journal of Geophysical Research</i> , 1998, 103, 8575-8580.	3.3	88
33	Contact charging of lunar and Martian dust simulants. <i>Journal of Geophysical Research</i> , 2002, 107, 15-1-15-8.	3.3	88
34	The dynamics of charged dust in the tail of comet Giacobiniâ€“Zinner. <i>Journal of Geophysical Research</i> , 1986, 91, 355-361.	3.3	87
35	The effect of surface topography on the lunar photoelectron sheath and electrostatic dust transport. <i>Icarus</i> , 2012, 221, 135-146.	2.5	85
36	Io as a source of the jovian dust streams. <i>Nature</i> , 2000, 405, 48-50.	27.8	84

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37	Variability of the lunar photoelectron sheath and dust mobility due to solar activity. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	84
38	High-velocity streams of dust originating from Saturn. <i>Nature</i> , 2005, 433, 289-291.	27.8	83
39	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	76
40	The electrostatic potential of E ring particles. <i>Planetary and Space Science</i> , 2006, 54, 999-1006.	1.7	74
41	New Horizons: Anticipated Scientific Investigations at the Pluto System. <i>Space Science Reviews</i> , 2008, 140, 93-127.	8.1	74
42	The Nebular Shock Wave Model for Chondrule Formation: One-Dimensional Calculations. <i>Icarus</i> , 1993, 106, 179-189.	2.5	73
43	Experimental levitation of dust grains in a plasma sheath. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 37-1.	3.3	73
44	Global Dynamics of Charged Dust Particles in Planetary Magnetospheres. <i>Physical Review Letters</i> , 1999, 83, 3993-3996.	7.8	71
45	Charged nanograins in the Enceladus plume. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	71
46	The friable sponge model of a cometary nucleus. <i>Astrophysical Journal</i> , 1984, 278, 449.	4.5	70
47	Lunar Dust Levitation. <i>Journal of Aerospace Engineering</i> , 2009, 22, 2-9.	1.4	69
48	Dust streams from Jupiter and Saturn. <i>Physics of Plasmas</i> , 2000, 7, 3847.	1.9	68
49	3 MV hypervelocity dust accelerator at the Colorado Center for Lunar Dust and Atmospheric Studies. <i>Review of Scientific Instruments</i> , 2012, 83, 075108.	1.3	66
50	The Lunar Atmosphere and Dust Environment Explorer Mission. <i>Space Science Reviews</i> , 2014, 185, 3-25.	8.1	66
51	Meteoric smoke production in the atmosphere. <i>Geophysical Research Letters</i> , 2000, 27, 3293-3296.	4.0	65
52	HST far-ultraviolet imaging of Jupiter during the impacts of comet Shoemaker-Levy 9. <i>Science</i> , 1995, 267, 1302-1307.	12.6	64
53	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. <i>Science</i> , 2020, 367, .	12.6	64
54	Constraints from Galileo observations on the origin of jovian dust streams. <i>Nature</i> , 1996, 381, 395-398.	27.8	62

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55	The Student Dust Counter on the New Horizons Mission. <i>Space Science Reviews</i> , 2008, 140, 387-402.	8.1	62
56	Charged dust in the Earth's magnetosphere. <i>Astrophysics and Space Science</i> , 1988, 144, 215-229.	1.4	61
57	The 2016 Feb 19 outburst of comet 67P/CG: an ESA Rosetta multi-instrument study. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, S220-S234.	4.4	60
58	Pluto's interaction with its space environment: Solar wind, energetic particles, and dust. <i>Science</i> , 2016, 351, aad9045.	12.6	60
59	Interplanetary and interstellar dust observed by the Wind/WAVES electric field instrument. <i>Geophysical Research Letters</i> , 2014, 41, 266-272.	4.0	59
60	The dusty ballerina skirt of Jupiter. <i>Journal of Geophysical Research</i> , 1993, 98, 21245-21251.	3.3	56
61	Galileo observes electromagnetically coupled dust in the Jovian magnetosphere. <i>Journal of Geophysical Research</i> , 1998, 103, 20011-20022.	3.3	56
62	Saturn's Spokes: Lost and Found. <i>Science</i> , 2006, 311, 1587-1589.	12.6	56
63	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
64	Large-scale structure of Saturn's E-ring. <i>Geophysical Research Letters</i> , 2008, 35, .	4.0	53
65	DUSTY PLASMA EFFECTS IN COMETS: EXPECTATIONS FOR ROSETTA. <i>Reviews of Geophysics</i> , 2013, 51, 53-75.	23.0	52
66	Electron and Ion Dynamics of the Solar Wind Interaction with a Weakly Outgassing Comet. <i>Physical Review Letters</i> , 2017, 118, 205101.	7.8	52
67	Chondrule Formation in Lightning Discharges. <i>Icarus</i> , 1995, 114, 174-185.	2.5	51
68	Mass analysis of charged aerosol particles in NLC and PMSE during the ECOMA/MASS campaign. <i>Annales Geophysicae</i> , 2009, 27, 1213-1232.	1.6	51
69	The search for electrostatically lofted grains above the Moon with the Lunar Dust Experiment. <i>Geophysical Research Letters</i> , 2015, 42, 5141-5146.	4.0	51
70	Simulation of rocket-borne particle measurements in the mesosphere. <i>Geophysical Research Letters</i> , 1999, 26, 1537-1540.	4.0	50
71	Stability of Halo Orbits. <i>Physical Review Letters</i> , 2000, 84, 3244-3247.	7.8	50
72	In situ dust measurements in the inner Saturnian system. <i>Planetary and Space Science</i> , 2006, 54, 967-987.	1.7	50

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73	Negative potentials above the day-side lunar surface in the terrestrial plasma sheet: Evidence of non-monotonic potentials. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	50
74	Meteoroids at the Moon: Orbital Properties, Surface Vaporization, and Impact Ejecta Production. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 752-778.	3.6	49
75	Toward understanding the fate of dust lost from the Martian satellites. <i>Geophysical Research Letters</i> , 1990, 17, 853-856.	4.0	48
76	Charged dust dynamics: Orbital resonance due to planetary shadows. <i>Journal of Geophysical Research</i> , 1991, 96, 19283-19289.	3.3	47
77	Grain-scale supercharging and breakdown on airless regoliths. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2150-2165.	3.6	47
78	The charge state of electrostatically transported dust on regolith surfaces. <i>Geophysical Research Letters</i> , 2017, 44, 3059-3065.	4.0	47
79	Capture of Interplanetary and Interstellar Dust by the Jovian Magnetosphere. <i>Science</i> , 1998, 280, 88-91.	12.6	46
80	Charging of dust particles on surfaces. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , 2001, 19, 2533-2541.	2.1	46
81	Lunar meteoritic gardening rate derived from in situ LADEE/LDEX measurements. <i>Geophysical Research Letters</i> , 2016, 43, 4893-4898.	4.0	46
82	The structure and dynamics of Jupiter's ring. <i>Nature</i> , 1996, 381, 293-295.	27.8	45
83	Electromagnetic Particle-in-Cell Simulations of the Solar Wind Interaction with Lunar Magnetic Anomalies. <i>Physical Review Letters</i> , 2014, 112, 151102.	7.8	45
84	Modeling the Galileo dust measurements at Jupiter. <i>Geophysical Research Letters</i> , 1997, 24, 2175-2178.	4.0	44
85	The formation of Charon's red poles from seasonally cold-trapped volatiles. <i>Nature</i> , 2016, 539, 65-68.	27.8	44
86	In situ collection of dust grains falling from Saturn's rings into its atmosphere. <i>Science</i> , 2018, 362, .	12.6	44
87	Jovian dust streams: A monitor of Io's volcanic plume activity. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	43
88	General mechanism and dynamics of the solar wind interaction with lunar magnetic anomalies from 3D particle-in-cell simulations. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 6443-6463.	2.4	43
89	New Horizons Observations of the Cosmic Optical Background. <i>Astrophysical Journal</i> , 2021, 906, 77.	4.5	42
90	Charge of Dust on Surfaces in Plasma. <i>IEEE Transactions on Plasma Science</i> , 2007, 35, 271-279.	1.3	41

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91	Annual variation and synodic modulation of the sporadic meteoroid flux to the Moon. <i>Geophysical Research Letters</i> , 2015, 42, 10,580.	4.0	41
92	Dust observations at orbital altitudes surrounding Mars. <i>Science</i> , 2015, 350, aad0398.	12.6	41
93	Saturn's E ring: A dynamical approach. <i>Journal of Geophysical Research</i> , 2002, 107, SMP 1-1.	3.3	40
94	Measurement of positively and negatively charged particles inside PMSE during MIDAS SOLSTICE 2001. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	40
95	In-situ measurement of smoke particles in the wintertime polar mesosphere between 80 and 85km altitude. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2008, 70, 61-70.	1.6	40
96	Experiments on dust transport in plasma to investigate the origin of the lunar horizon glow. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	40
97	Experimental demonstration of the role of cohesion in electrostatic dust lofting. <i>Geophysical Research Letters</i> , 2013, 40, 1038-1042.	4.0	40
98	Plasma potential in the sheaths of electron-emitting surfaces in space. <i>Geophysical Research Letters</i> , 2016, 43, 525-531.	4.0	40
99	Electrostatic charging properties of simulated lunar dust. <i>Geophysical Research Letters</i> , 1995, 22, 2079-2082.	4.0	39
100	Three years of Galileo dust data: ii. 1993-1995. <i>Planetary and Space Science</i> , 1998, 47, 85-106.	1.7	38
101	First results from the Venetia Burney Student Dust Counter on the New Horizons mission. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	38
102	On the density of the dust halo around Mars. <i>Journal of Geophysical Research</i> , 1993, 98, 1205-1211.	3.3	37
103	In situ dust detection in fusion devices. <i>Plasma Physics and Controlled Fusion</i> , 2008, 50, 124046.	2.1	37
104	Investigation of dust transport on the lunar surface in a laboratory plasma with an electron beam. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	37
105	Large area mass analyzer instrument for the chemical analysis of interstellar dust particles. <i>Review of Scientific Instruments</i> , 2007, 78, 014501.	1.3	33
106	Compositional mapping of planetary moons by mass spectrometry of dust ejecta. <i>Planetary and Space Science</i> , 2011, 59, 1815-1825.	1.7	33
107	Solar wind electron interaction with the dayside lunar surface and crustal magnetic fields: Evidence for precursor effects. <i>Earth, Planets and Space</i> , 2012, 64, 73-82.	2.5	33
108	Dust-Plasma Interactions in the Cometary Environment. <i>Geophysical Monograph Series</i> , 2013, , 17-25.	0.1	33

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109	Dust Measurements During Galileo's Approach to Jupiter and Io Encounter. <i>Science</i> , 1996, 274, 399-401.	12.6	32
110	Dust measurements in the Jovian magnetosphere. <i>Geophysical Research Letters</i> , 1997, 24, 2171-2174.	4.0	32
111	Three years of Ulysses dust data: 2005 to 2007. <i>Planetary and Space Science</i> , 2010, 58, 951-964.	1.7	32
112	Pluto's interaction with the solar wind. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 4232-4246.	2.4	32
113	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. <i>Astrophysical Journal Letters</i> , 2022, 927, L8.	8.3	32
114	New Jovian ring?. <i>Geophysical Research Letters</i> , 1994, 21, 1039-1042.	4.0	31
115	Four years of Ulysses dust data: 1996-1999. <i>Planetary and Space Science</i> , 2001, 49, 1303-1324.	1.7	31
116	Dust grain charging and levitation in a weakly collisional sheath. <i>Physics of Plasmas</i> , 2003, 10, 3874-3880.	1.9	31
117	Five years of Ulysses dust data: 2000-2004. <i>Planetary and Space Science</i> , 2006, 54, 932-956.	1.7	31
118	On the origin & thermal stability of Arrokoth's and Pluto's ices. <i>Icarus</i> , 2021, 356, 114072.	2.5	31
119	Charge and size distribution of mesospheric aerosol particles measured inside NLC and PMSE during MIDAS MaCWAVE 2002. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2006, 68, 114-123.	1.6	30
120	Dynamics and distribution of nano-dust particles in the inner solar system. <i>Geophysical Research Letters</i> , 2013, 40, 2500-2504.	4.0	30
121	Dust torus around Mars. <i>Journal of Geophysical Research</i> , 1995, 100, 3277.	3.3	29
122	Generalizations of the Størmer problem for dust grain orbits. <i>Physica D: Nonlinear Phenomena</i> , 2002, 171, 178-195.	2.8	29
123	Dust transport near electron beam impact and shadow boundaries. <i>Planetary and Space Science</i> , 2011, 59, 1791-1794.	1.7	29
124	Measurements of the ionization coefficient of simulated iron micrometeoroids. <i>Geophysical Research Letters</i> , 2016, 43, 3645-3652.	4.0	29
125	Constraining the Solar System's Debris Disk with In Situ New Horizons Measurements from the Edgeworth-Kuiper Belt. <i>Astrophysical Journal Letters</i> , 2019, 881, L12.	8.3	29
126	The role of charge exchange in the solar wind absorption by Venus. <i>Geophysical Research Letters</i> , 1981, 8, 1265-1268.	4.0	28

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127	Ulysses jovian latitude scan of high-velocity dust streams originating from the jovian system. <i>Planetary and Space Science</i> , 2006, 54, 919-931.	1.7	28
128	Meteoritic influence on sodium and potassium abundance in the lunar exosphere measured by LADEE. <i>Geophysical Research Letters</i> , 2016, 43, 6096-6102.	4.0	28
129	A laboratory model of the lunar surface potential near boundaries between sunlit and shadowed regions. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	27
130	Dynamics of charged space debris in the Earth's plasma environment. <i>Journal of Geophysical Research</i> , 1997, 102, 7237-7246.	3.3	26
131	Modeling the formation of electrostatic discharges on Mars. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	26
132	The cosmic dust analyser onboard cassini: ten years of discoveries. <i>CEAS Space Journal</i> , 2011, 2, 3-16.	2.3	26
133	Characteristics of a plasma sheath in a magnetic dipole field: Implications to the solar wind interaction with the lunar magnetic anomalies. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	26
134	Detection of meteoric smoke particles in the mesosphere by a rocket-borne mass spectrometer. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2014, 118, 161-179.	1.6	26
135	A new look at Apollo 17 LEAM data: Nighttime dust activity in 1976. <i>Planetary and Space Science</i> , 2013, 89, 2-14.	1.7	25
136	Detecting meteoroid streams with an in-situ dust detector above an airless body. <i>Icarus</i> , 2016, 275, 221-231.	2.5	25
137	Reiner Gamma albedo features reproduced by modeling solar wind standoff. <i>Communications Physics</i> , 2018, 1, .	5.3	25
138	One year of Galileo dust data from the Jovian system: 1996. <i>Planetary and Space Science</i> , 2001, 49, 1285-1301.	1.7	24
139	Constraining the Ratio of Micrometeoroids From Short- and Long-Period Comets at 1ÂAU From LADEE Observations of the Lunar Dust Cloud. <i>Geophysical Research Letters</i> , 2018, 45, 1713-1722.	4.0	24
140	Dust at the Martian moons and in the circummartian space. <i>Planetary and Space Science</i> , 2014, 102, 171-175.	1.7	23
141	THE IMPACT EJECTA ENVIRONMENT OF NEAR EARTH ASTEROIDS. <i>Astrophysical Journal Letters</i> , 2016, 830, L29.	8.3	23
142	The effect of asymmetric surface topography on dust dynamics on airless bodies. <i>Icarus</i> , 2017, 291, 65-74.	2.5	23
143	Impacts of fast meteoroids and a plasma- dust cloud over the lunar surface. <i>JETP Letters</i> , 2017, 105, 635-640.	1.4	23
144	Rocket-borne mesospheric measurement of heavy ($m \ll 10$ amu) charge carriers. <i>Geophysical Research Letters</i> , 2000, 27, 3825-3828.	4.0	22

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145	Signatures of Enceladus in Saturn's E ring. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	22
146	Electric potentials in magnetic dipole fields normal and oblique to a surface in plasma: Understanding the solar wind interaction with lunar magnetic anomalies. <i>Geophysical Research Letters</i> , 2013, 40, 1686-1690.	4.0	22
147	Diffuse Rings. , 2009, , 511-536.		22
148	Techniques for galactic dust measurements in the heliosphere. <i>Journal of Geophysical Research</i> , 2000, 105, 10403-10410.	3.3	21
149	The Charging of Planetary Rings. <i>Space Science Reviews</i> , 2008, 137, 435-453.	8.1	21
150	The effect of Nix and Hydra on the putative Pluto–Charon dust cloud. <i>Planetary and Space Science</i> , 2011, 59, 1647-1653.	1.7	21
151	Negatively charged nano-grains at 67P/Churyumov-Gerasimenko. <i>Astronomy and Astrophysics</i> , 2015, 583, A23.	5.1	21
152	Dust Phenomena Relating to Airless Bodies. <i>Space Science Reviews</i> , 2018, 214, 1.	8.1	21
153	Building a Weakly Outgassing Comet from a Generalized Ohm’s Law. <i>Physical Review Letters</i> , 2019, 123, 055101.	7.8	21
154	The dynamics of submicron-sized dust particles lost from Phobos. <i>Journal of Geophysical Research</i> , 1991, 96, 11283-11290.	3.3	20
155	Dust streams from comet Shoemaker-Levy 9?. <i>Geophysical Research Letters</i> , 1994, 21, 1035-1038.	4.0	20
156	Magnetospheric effects on micrometeoroid fluxes. <i>Journal of Geophysical Research</i> , 1996, 101, 2169-2175.	3.3	20
157	Jovian dust streams: Probes of the Io plasma torus. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	20
158	Linear high resolution dust mass spectrometer for a mission to the Galilean satellites. <i>Planetary and Space Science</i> , 2012, 65, 10-20.	1.7	20
159	Time-resolved temperature measurements in hypervelocity dust impact. <i>Planetary and Space Science</i> , 2013, 89, 58-62.	1.7	20
160	Activity of the 2013 Geminid meteoroid stream at the Moon. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 4225-4231.	4.4	20
161	Dust mitigation technology for lunar exploration utilizing an electron beam. <i>Acta Astronautica</i> , 2020, 177, 405-409.	3.2	20
162	Laboratory measurements of initial launch velocities of electrostatically lofted dust on airless planetary bodies. <i>Icarus</i> , 2020, 352, 113972.	2.5	20

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163	Seasonal variations in Saturn's E-ring. <i>Geophysical Research Letters</i> , 2004, 31, .	4.0	19
164	Experimental study of a photoelectron sheath. <i>Physics of Plasmas</i> , 2012, 19, .	1.9	19
165	The Student Dust Counter: Status report at 23 AU. <i>Earth, Planets and Space</i> , 2013, 65, 1145-1149.	2.5	19
166	Impact Ejecta and Gardening in the Lunar Polar Regions. <i>Journal of Geophysical Research E: Planets</i> , 2019, 124, 143-154.	3.6	19
167	Jupiter's exogenic dust ring. <i>Journal of Geophysical Research</i> , 1998, 103, 20023-20030.	3.3	18
168	Constraints on dust production in the Edgeworth-Kuiper Belt from Pioneer 10 and New Horizons measurements. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	4.0	18
169	On the Edgeworth-Kuiper Belt dust flux to Saturn. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	18
170	Hypervelocity dust impacts on the Wind spacecraft: Correlations between Ulysses and Wind interstellar dust detections. <i>Journal of Geophysical Research: Space Physics</i> , 2015, 120, 7121-7129.	2.4	18
171	LADEE/LDEX observations of lunar pickup ion distribution and variability. <i>Geophysical Research Letters</i> , 2016, 43, 3069-3077.	4.0	18
172	Understanding Cassini RPWS Antenna Signals Triggered by Dust Impacts. <i>Geophysical Research Letters</i> , 2019, 46, 10941-10950.	4.0	18
173	Impact ejecta environment of an eccentric asteroid: 3200 Phaethon. <i>Planetary and Space Science</i> , 2019, 165, 194-204.	1.7	18
174	Measurements of the terrestrial dust influx variability by the Cosmic Dust Experiment. <i>Planetary and Space Science</i> , 2011, 59, 319-326.	1.7	17
175	Laboratory investigation of lunar surface electric potentials in magnetic anomaly regions. <i>Geophysical Research Letters</i> , 2015, 42, 4280-4287.	4.0	17
176	Laboratory Investigation of Rate of Electrostatic Dust Lofting Over Time on Airless Planetary Bodies. <i>Geophysical Research Letters</i> , 2018, 45, 13,206.	4.0	17
177	Charge-exchange in the magnetosheaths of Venus and Mars: A comparison. <i>Geophysical Research Letters</i> , 1983, 10, 163-164.	4.0	16
178	Galileo dust data from the jovian system: 1997-1999. <i>Planetary and Space Science</i> , 2006, 54, 879-910.	1.7	16
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