Mihaly Horanyi

List of Publications by Year
in descending order

320	12,341	58	96
papers	citations	h-index	g-index
		23567	37204

330	330	330	5395
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Laboratory measurements of size distribution of electrostatically lofted dust. Icarus, 2022, 371, 114684.	2.5	6
2	Comparative Na and K Mercury and Moon Exospheres. Space Science Reviews, 2022, 218, 1.	8.1	12
3	Laboratory Simulation of Solar Wind Interaction With Lunar Magnetic Anomalies. Journal of Geophysical Research: Space Physics, 2022, 127, .	2.4	4
4	Dust Rotation and Swirl Morphology in Lunar Magnetic Anomalies. Geophysical Research Letters, 2022, 49, .	4.0	0
5	Modeling Meteoroid Impacts on the Juno Spacecraft. Planetary Science Journal, 2022, 3, 14.	3.6	4
6	Anomalous Flux in the Cosmic Optical Background Detected with New Horizons Observations. Astrophysical Journal Letters, 2022, 927, L8.	8.3	32
7	Student Dust Counter Status Report: The First 50 au. Planetary Science Journal, 2022, 3, 69.	3.6	10
8	Differential Ablation of Organic Coatings From Micrometeoroids Simulated in the Laboratory. Journal of Geophysical Research E: Planets, 2022, 127, .	3.6	5
9	A Predicted Dearth of Majority Hypervolatile Ices in Oort Cloud Comets. Planetary Science Journal, 2022, 3, 112.	3.6	15
10	Fine-grained regolith loss on sub-km asteroids. Nature Astronomy, 2022, 6, 1043-1050.	10.1	3
11	On the origin & thermal stability of Arrokoth's and Pluto's ices. Icarus, 2021, 356, 114072.	2.5	31
12	Formation of the Lunar Dust Ejecta Cloud. Planetary Science Journal, 2021, 2, 67.	3.6	2
13	Meteoroids as One of the Sources for Exosphere Formation on Airless Bodies in the Inner Solar System. Space Science Reviews, 2021, 217, 1.	8.1	14
14	Laboratory Study of Antenna Signals Generated by Dust Impacts on Spacecraft. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028965.	2.4	7
15	Restoring light transmission of dusty glass surfaces on the Moon. Advances in Space Research, 2021, 68, 4050-4050.	2.6	0
16	Dynamics of electrostatically lofted dust on airless planetary bodies. Icarus, 2021, 366, 114519.	2.5	11
17	Improvement of the electron beam (e-beam) lunar dust mitigation technology with varying the beam incident angle. Acta Astronautica, 2021, 188, 362-366.	3.2	8
18	New Horizons Observations of the Cosmic Optical Background. Astrophysical Journal, 2021, 906, 77.	4.5	42

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19	The effect of high-velocity dust particle impacts on microchannel plate (MCP) detectors. Planetary and Space Science, 2020, 183, 104628.	1.7	8
20	Magnetic Field Effect on Antenna Signals Induced by Dust Particle Impacts. Journal of Geophysical Research: Space Physics, 2020, 125, e2019JA027245.	2.4	8
21	Dust mitigation technology for lunar exploration utilizing an electron beam. Acta Astronautica, 2020, 177, 405-409.	3.2	20
22	Laboratory measurements of initial launch velocities of electrostatically lofted dust on airless planetary bodies. Icarus, 2020, 352, 113972.	2.5	20
23	Hyperbolic Meteoroids Impacting the Moon. Astrophysical Journal Letters, 2020, 890, L11.	8.3	5
24	Calibration of polyvinylidene fluoride based dust detectors in response to varying grain density and incidence angle. Review of Scientific Instruments, 2020, 91, 023307.	1.3	3
25	Color, composition, and thermal environment of Kuiper Belt object (486958) Arrokoth. Science, 2020, 367, .	12.6	64
26	The geology and geophysics of Kuiper Belt object (486958) Arrokoth. Science, 2020, 367, .	12.6	76
27	Simulating the Reiner Gamma Swirl: The Longâ€Term Effect of Solar Wind Standoff. Journal of Geophysical Research E: Planets, 2020, 125, e2019JE006219.	3.6	15
28	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.	4.5	15
29	Calibration methods of charge sensitive amplifiers at the Colorado dust accelerator. Review of Scientific Instruments, 2020, 91, 113301.	1.3	2
30	Constraining the Solar System's Debris Disk with In Situ New Horizons Measurements from the Edgeworthâ€"Kuiper Belt. Astrophysical Journal Letters, 2019, 881, L12.	8.3	29
31	Building a Weakly Outgassing Comet from a Generalized Ohmâ€™s Law. Physical Review Letters, 2019, 123, 055101.	7.8	21
32	Suprathermal Ions in the Outer Heliosphere. Astrophysical Journal, 2019, 876, 46.	4.5	15
33	Using dust shed from asteroids as microsamples to link remote measurements with meteorite classes. Meteoritics and Planetary Science, 2019, 54, 2046-2066.	1.6	4
34	Understanding Cassini RPWS Antenna Signals Triggered by Dust Impacts. Geophysical Research Letters, 2019, 46, 10941-10950.	4.0	18
35	Circumplanetary Dust Populations. Space Science Reviews, 2019, 215, 1.	8.1	8
36	Student Dust Counter: Status report at 38 AU. Icarus, 2019, 321, 116-125.	2.5	14

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37	Plasma Sheath Formation at Craters on Airless Bodies. Journal of Geophysical Research: Space Physics, 2019, 124, 4188-4193.	2.4	1
38	Initial results from the New Horizons exploration of 2014 MU ₆₉ , a small Kuiper Belt object. Science, 2019, 364, .	12.6	113
39	Meteoroids at the Moon: Orbital Properties, Surface Vaporization, and Impact Ejecta Production. Journal of Geophysical Research E: Planets, 2019, 124, 752-778.	3.6	49
40	Impact craters on Pluto and Charon indicate a deficit of small Kuiper belt objects. Science, 2019, 363, 955-959.	12.6	116
41	Investigation of Coatings for Langmuir Probes: Effect of Surface Oxidation on Photoemission Characteristics. Journal of Geophysical Research: Space Physics, 2019, 124, 2357-2361.	2.4	6
42	Impact Ejecta and Gardening in the Lunar Polar Regions. Journal of Geophysical Research E: Planets, 2019, 124, 143-154.	3.6	19
43	Pluto's Interaction With Energetic Heliospheric Ions. Journal of Geophysical Research: Space Physics, 2019, 124, 7413-7424.	2.4	4
44	Impact ejecta environment of an eccentric asteroid: 3200 Phaethon. Planetary and Space Science, 2019, 165, 194-204.	1.7	18
45	Measurements of the Potential Profiles of Glow Discharges Using an Emissive Probe. IEEE Transactions on Plasma Science, 2019, 47, 199-203.	1.3	0
46	Impact Ejecta Plumes at the Moon. Geophysical Research Letters, 2019, 46, 534-543.	4.0	8
47	Constraining the Ratio of Micrometeoroids From Shortâ€•and Longâ€Period Comets at 1ÂAU From LADEE Observations of the Lunar Dust Cloud. Geophysical Research Letters, 2018, 45, 1713-1722.	4.0	24
48	Activity of the 2013 Geminid meteoroid stream at the Moon. Monthly Notices of the Royal Astronomical Society, 2018, 474, 4225-4231.	4.4	20
49	Dusty plasmas in the lunar exosphere: Effects of meteoroids. Journal of Physics: Conference Series, 2018, 946, 012142.	0.4	1
50	Laboratory investigation of the effect of surface roughness on photoemission from surfaces in space. Planetary and Space Science, 2018, 156, 92-95.	1.7	11
51	SELMA mission: How do airless bodies interact with space environment? The Moon as an accessible laboratory. Planetary and Space Science, 2018, 156, 23-40.	1.7	5
52	Effects of interplanetary coronal mass ejections on the transport of nano-dust generated in the inner solar system. Planetary and Space Science, 2018, 156, 7-16.	1.7	5
53	Dust Observations by the Radio and Plasma Wave Science Instrument During Cassini's Grand Finale. Geophysical Research Letters, 2018, 45, 10,101.	4.0	16
54	Laboratory Investigation of Rate of Electrostatic Dust Lofting Over Time on Airless Planetary Bodies. Geophysical Research Letters, 2018, 45, 13,206.	4.0	17

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55	Microchannel Plate Efficiency to Detect Low Velocity Dust Impacts. Journal of Geophysical Research: Space Physics, 2018, 123, 9936-9940.	2.4	5
56	Interplanetary dust delivery of water to the atmospheres of Pluto and Triton. Astronomy and Astrophysics, 2018, 617, L5.	5.1	5
57	In situ collection of dust grains falling from Saturnâ€™s rings into its atmosphere. Science, 2018, 362, .	12.6	44
58	Interstellar Mapping and Acceleration Probe (IMAP): A New NASA Mission. Space Science Reviews, 2018, 214, 1.	8.1	129
59	Investigation of Coatings for Langmuir Probes in an Oxygenâ€Rich Space Environment. Journal of Geophysical Research: Space Physics, 2018, 123, 6054-6064.	2.4	10
60	Experimental Methods of Dust Charging and Mobilization on Surfaces with Exposure to Ultraviolet Radiation or Plasmas. Journal of Visualized Experiments, 2018, , .	0.3	2
61	Reiner Gamma albedo features reproduced by modeling solar wind standoff. Communications Physics, 2018, 1, .	5.3	25
62	Development of a Double Hemispherical Probe for Improved Space Plasma Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 2916-2925.	2.4	3
63	Dust Phenomena Relating to Airless Bodies. Space Science Reviews, 2018, 214, 1.	8.1	21
64	Determination of impact position on an impact ionization detector by electrostatic induction. Advances in Space Research, 2018, 62, 890-895.	2.6	0
65	Electrostatic Dust Transport in Laboratory and Space. , 2018, , .		0
66	Floating potential measurements in plasmas: From dust to spacecraft. Physics of Plasmas, 2017, 24, 023701.	1.9	5
67	Experimental setup for the laboratory investigation of micrometeoroid ablation using a dust accelerator. Review of Scientific Instruments, 2017, 88, 034501.	1.3	12
68	The charge state of electrostatically transported dust on regolith surfaces. Geophysical Research Letters, 2017, 44, 3059-3065.	4.0	47
69	Laboratory experiments to investigate sublimation rates of water ice in nighttime lunar regolith. Icarus, 2017, 293, 180-184.	2.5	8
70	The effect of asymmetric surface topography on dust dynamics on airless bodies. Icarus, 2017, 291, 65-74.	2.5	23
71	Evidence for detection of energetic neutral atoms by LADEE. Planetary and Space Science, 2017, 139, 31-36.	1.7	4
72	Impacts of fast meteoroids and a plasmaâ€“dust cloud over the lunar surface. JETP Letters, 2017, 105, 635-640.	1.4	23

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73	Electron and Ion Dynamics of the Solar Wind Interaction with a Weakly Outgassing Comet. Physical Review Letters, 2017, 118, 205101.	7.8	52
74	A large ion beam device for laboratory solar wind studies. Review of Scientific Instruments, 2017, 88, 115112.	1.3	6
75	New experimental capability to investigate the hypervelocity micrometeoroid bombardment of cryogenic surfaces. Review of Scientific Instruments, 2016, 87, 024502.	1.3	4
76	LADEE/LDEX observations of lunar pickup ion distribution and variability. Geophysical Research Letters, 2016, 43, 3069-3077.	4.0	18
77	Grainâ€scale supercharging and breakdown on airless regoliths. Journal of Geophysical Research E: Planets, 2016, 121, 2150-2165.	3.6	47
78	Mars-Moons Exploration, Reconnaissance, and Landed Investigation (MERLIN). , 2016, , .		1
79	Lunar meteoritic gardening rate derived from in situ LADEE/LDEX measurements. Geophysical Research Letters, 2016, 43, 4893-4898.	4.0	46
80	The 2016 Feb 19 outburst of comet 67P/CG: an ESA Rosetta multi-instrument study. Monthly Notices of the Royal Astronomical Society, 2016, 462, S220-S234.	4.4	60
81	The formation of Charonâ€™s red poles from seasonally cold-trapped volatiles. Nature, 2016, 539, 65-68.	27.8	44
82	Meteoritic influence on sodium and potassium abundance in the lunar exosphere measured by LADEE. Geophysical Research Letters, 2016, 43, 6096-6102.	4.0	28
83	Dust charging and transport on airless planetary bodies. Geophysical Research Letters, 2016, 43, 6103-6110.	4.0	130
84	Threeâ€dimensional fullâ€kinetic simulation of the solar wind interaction with a vertical dipolar lunar magnetic anomaly. Geophysical Research Letters, 2016, 43, 4136-4144.	4.0	8
85	THE IMPACT EJECTA ENVIRONMENT OF NEAR EARTH ASTEROIDS. Astrophysical Journal Letters, 2016, 830, L29.	8.3	23
86	Measurements of the ionization coefficient of simulated iron micrometeoroids. Geophysical Research Letters, 2016, 43, 3645-3652.	4.0	29
87	Pluto's interaction with the solar wind. Journal of Geophysical Research: Space Physics, 2016, 121, 4232-4246.	2.4	32
88	Detecting meteoroid streams with an in-situ dust detector above an airless body. Icarus, 2016, 275, 221-231.	2.5	25
89	Plasma potential in the sheaths of electronâ€emitting surfaces in space. Geophysical Research Letters, 2016, 43, 525-531.	4.0	40
90	The atmosphere of Pluto as observed by New Horizons. Science, 2016, 351, aad8866.	12.6	201

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91	Plutoâ€™s interaction with its space environment: Solar wind, energetic particles, and dust. Science, 2016, 351, aad9045.	12.6	60
92	The geology of Pluto and Charon through the eyes of New Horizons. Science, 2016, 351, 1284-1293.	12.6	219
93	An investigation into potential causes of the anomalistic feature observed by the Rosetta Alice spectrograph around 67P/Churyumovâ€“Gerasimenko. Acta Astronautica, 2016, 125, 3-10.	3.2	11
94	General mechanism and dynamics of the solar wind interaction with lunar magnetic anomalies from 3â€Ð particleâ€ìnâ€çell simulations. Journal of Geophysical Research: Space Physics, 2015, 120, 6443-6463.	2.4	43
95	Hypervelocity dust impacts on the Wind spacecraft: Correlations between Ulysses and Wind interstellar dust detections. Journal of Geophysical Research: Space Physics, 2015, 120, 7121-7129.	2.4	18
96	Identification of when a Langmuir probe is in the sheath of a spacecraft: The effects of secondary electron emission from the probe. Journal of Geophysical Research: Space Physics, 2015, 120, 2428-2437.	2.4	9
97	Negatively charged nano-grains at 67P/Churyumov-Gerasimenko. Astronomy and Astrophysics, 2015, 583, A23.	5.1	21
98	The search for electrostatically lofted grains above the Moon with the Lunar Dust Experiment. Geophysical Research Letters, 2015, 42, 5141-5146.	4.0	51
99	Annual variation and synodic modulation of the sporadic meteoroid flux to the Moon. Geophysical Research Letters, 2015, 42, 10,580.	4.0	41
100	Laboratory investigation of lunar surface electric potentials in magnetic anomaly regions. Geophysical Research Letters, 2015, 42, 4280-4287.	4.0	17
101	Hyperdust: An advanced in-situ detection and chemical analysis of microparticles in space. , 2015, , .		3
102	A permanent, asymmetric dust cloud around the Moon. Nature, 2015, 522, 324-326.	27.8	174
103	Ongoing hydrothermal activities within Enceladus. Nature, 2015, 519, 207-210.	27.8	382
104	Dust observations at orbital altitudes surrounding Mars. Science, 2015, 350, aad0398.	12.6	41
105	The Pluto system: Initial results from its exploration by New Horizons. Science, 2015, 350, aad1815.	12.6	407
106	Dust charge measurements by the Lunar Dust Experiment. , 2015, , .		3
107	The Lunar Dust Experiment (LDEX) Onboard the Lunar Atmosphere and Dust Environment Explorer (LADEE) Mission. , 2015, , 93-113.		3
108	Dust Pond. , 2015, , 680-683.		0

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109	Photoelectronâ€mediated spacecraft potential fluctuations. Journal of Geophysical Research: Space Physics, 2014, 119, 1094-1101.	2.4	6
110	The Lunar Dust Experiment (LDEX) Onboard the Lunar Atmosphere and Dust Environment Explorer (LADEE) Mission. Space Science Reviews, 2014, 185, 93-113.	8.1	97
111	The Lunar Atmosphere and Dust Environment Explorer Mission. Space Science Reviews, 2014, 185, 3-25.	8.1	66
112	The science case for an orbital mission to Uranus: Exploring the origins and evolution of ice giant planets. Planetary and Space Science, 2014, 104, 122-140.	1.7	56
113	Development of the nano-dust analyzer (NDA) for detection and compositional analysis of nanometer-size dust particles originating in the inner heliosphere. Review of Scientific Instruments, 2014, 85, 035113.	1.3	10
114	THE GLOBAL MORPHOLOGY OF THE SOLAR WIND INTERACTION WITH COMET CHURYUMOV-GERASIMENKO. Astrophysical Journal, 2014, 794, 14.	4.5	8
115	Production of neutral gas by micrometeoroid impacts. Icarus, 2014, 227, 89-93.	2.5	14
116	The MAGIC meteoric smoke particle sampler. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 118, 127-144.	1.6	9
117	Dust at the Martian moons and in the circummartian space. Planetary and Space Science, 2014, 102, 171-175.	1.7	23
118	Detection of meteoric smoke particles in the mesosphere by a rocket-borne mass spectrometer. Journal of Atmospheric and Solar-Terrestrial Physics, 2014, 118, 161-179.	1.6	26
119	Electromagnetic Particle-in-Cell Simulations of the Solar Wind Interaction with Lunar Magnetic Anomalies. Physical Review Letters, 2014, 112, 151102.	7.8	45
120	The effects of magnetic fields on photoelectron-mediated spacecraft potential fluctuations. Journal of Geophysical Research: Space Physics, 2014, 119, 7319-7326.	2.4	2
121	Mass loading of the solar wind by a sungrazing comet. Geophysical Research Letters, 2014, 41, 5376-5381.	4.0	5
122	Interplanetary and interstellar dust observed by the Wind/WAVES electric field instrument. Geophysical Research Letters, 2014, 41, 266-272.	4.0	59
123	Modeling solar wind massâ€loading in the vicinity of the Sun using 3â€D MHD simulations. Journal of Geophysical Research: Space Physics, 2014, 119, 18-25.	2.4	6
124	FPGA cross-correlation filters for real-time dust detection and selection. Planetary and Space Science, 2013, 89, 71-76.	1.7	14
125	Laboratory testing and data analysis of the Electrostatic Lunar Dust Analyzer (ELDA) instrument. Planetary and Space Science, 2013, 89, 63-70.	1.7	6
126	DUSTY PLASMA EFFECTS IN COMETS: EXPECTATIONS FOR ROSETTA. Reviews of Geophysics, 2013, 51, 53-75.	23.0	52

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127	A new look at Apollo 17 LEAM data: Nighttime dust activity in 1976. Planetary and Space Science, 2013, 89, 2-14.	1.7	25
128	Cratering studies in Polyvinylidene Fluoride (PVDF) thin films. Planetary and Space Science, 2013, 89, 29-35.	1.7	12
129	On the application of a linear time-of-flight mass spectrometer for the investigation of hypervelocity impacts of micron and sub-micron sized dust particles. Planetary and Space Science, 2013, 89, 47-57.	1.7	12
130	Time-resolved temperature measurements in hypervelocity dust impact. Planetary and Space Science, 2013, 89, 58-62.	1.7	20
131	Probing IMF using nanodust measurements from inside Saturn's magnetosphere. Geophysical Research Letters, 2013, 40, 2902-2906.	4.0	6
132	Solar wind mass-loading due to dust. AIP Conference Proceedings, 2013, , .	0.4	2
133	Indirect Charged Particle Detection: Concepts and a Classroom Demonstration. Physics Teacher, 2013, 51, 472-475.	0.3	2
134	Dust and spacecraft charging in Saturnâ€™s E ring. Earth, Planets and Space, 2013, 65, 149-156.	2.5	14
135	The Student Dust Counter: Status report at 23 AU. Earth, Planets and Space, 2013, 65, 1145-1149.	2.5	19
136	Plasma processes at comet Churyumovâ€“Gerasimenko: Expectations for Rosetta. Journal of Plasma Physics, 2013, 79, 1067-1070.	2.1	2
137	Effect of filament supports on emissive probe measurements. Review of Scientific Instruments, 2013, 84, 013506.	1.3	6
138	Dust-Plasma Interactions in the Cometary Environment. Geophysical Monograph Series, 2013, , 17-25.	0.1	33
139	Experimental demonstration of the role of cohesion in electrostatic dust lofting. Geophysical Research Letters, 2013, 40, 1038-1042.	4.0	40
140	Electric potentials in magnetic dipole fields normal and oblique to a surface in plasma: Understanding the solar wind interaction with lunar magnetic anomalies. Geophysical Research Letters, 2013, 40, 1686-1690.	4.0	22
141	Dynamics and distribution of nanoâ€dust particles in the inner solar system. Geophysical Research Letters, 2013, 40, 2500-2504.	4.0	30
142	3 MV hypervelocity dust accelerator at the Colorado Center for Lunar Dust and Atmospheric Studies. Review of Scientific Instruments, 2012, 83, 075108.	1.3	66
143	Characteristics of a new dust coordinate sensor. Measurement Science and Technology, 2012, 23, 105902.	2.6	3
144	Solar wind electron interaction with the dayside lunar surface and crustal magnetic fields: Evidence for precursor effects. Earth, Planets and Space, 2012, 64, 73-82.	2.5	33

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145	Characteristics of a plasma sheath in a magnetic dipole field: Implications to the solar wind interaction with the lunar magnetic anomalies. Journal of Geophysical Research, 2012, 117, .	3.3	26
146	Charged nanograins in the Enceladus plume. Journal of Geophysical Research, 2012, 117, .	3.3	71
147	Spacecraft charging near Enceladus. Geophysical Research Letters, 2012, 39, .	4.0	9
148	The effect of surface topography on the lunar photoelectron sheath and electrostatic dust transport. Icarus, 2012, 221, 135-146.	2.5	85
149	On the Edgeworthâ€Kuiper Belt dust flux to Saturn. Geophysical Research Letters, 2012, 39, .	4.0	18
150	Experimental study of a photoelectron sheath. Physics of Plasmas, 2012, 19, .	1.9	19
151	Ballistic motion of dust particles in the Lunar Roving Vehicle dust trails. American Journal of Physics, 2012, 80, 452-456.	0.7	5
152	SARIM PLUSâ€"sample return of comet 67P/CG and of interstellar matter. Experimental Astronomy, 2012, 33, 723-751.	3.7	3
153	Active Cosmic Dust Collector. Planetary and Space Science, 2012, 60, 261-273.	1.7	11
154	Linear high resolution dust mass spectrometer for a mission to the Galilean satellites. Planetary and Space Science, 2012, 65, 10-20.	1.7	20
155	Negative potentials above the day-side lunar surface in the terrestrial plasma sheet: Evidence of non-monotonic potentials. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	50
156	Constraints on dust production in the Edgeworth-Kuiper Belt from Pioneer 10 and New Horizons measurements. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	18
157	Dust Charging and Transport on Surfaces. AIP Conference Proceedings, 2011, , .	0.4	0
158	Frontiers in In-Situ Cosmic Dust Detection and Analysis. AIP Conference Proceedings, 2011, , .	0.4	1
159	Novel instrument for Dust Astronomy: Dust Telescope. , 2011, , .		9
160	Dust transport near electron beam impact and shadow boundaries. Planetary and Space Science, 2011, 59, 1791-1794.	1.7	29
161	The lunar dust environment. Planetary and Space Science, 2011, 59, 1672-1680.	1.7	96
162	Compositional mapping of planetary moons by mass spectrometry of dust ejecta. Planetary and Space Science, 2011, 59, 1815-1825.	1.7	33

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163	The Electrostatic Lunar Dust Analyzer (ELDA) for the detection and trajectory measurement of slow-moving dust particles from the lunar surface. Planetary and Space Science, 2011, 59, 1446-1454.	1.7	14
164	The effect of Nix and Hydra on the putative Plutoâ€"Charon dust cloud. Planetary and Space Science, 2011, 59, 1647-1653.	1.7	21
165	Dust Transport on a Surface in Plasma. IEEE Transactions on Plasma Science, 2011, 39, 2730-2731.	1.3	10
166	Measurements of the terrestrial dust influx variability by the Cosmic Dust Experiment. Planetary and Space Science, 2011, 59, 319-326.	1.7	17
167	The cosmic dust analyser onboard cassini: ten years of discoveries. CEAS Space Journal, 2011, 2, 3-16.	2.3	26
168	Interstellar Dust Flow through the Solar System. AIP Conference Proceedings, 2011, , .	0.4	4
169	The Dust Accelerator Facility of the Colorado Center for Lunar Dust and Atmospheric Studies. AIP Conference Proceedings, 2011, , .	0.4	0
170	Dust trajectory sensor: Accuracy and data analysis. Review of Scientific Instruments, 2011, 82, 105104.	1.3	9
171	Operation of a Langmuir Probe in a Photoelectron Plasma. AIP Conference Proceedings, 2011, , .	0.4	0
172	Three years of Ulysses dust data: 2005 to 2007. Planetary and Space Science, 2010, 58, 951-964.	1.7	32
173	Galileo dust data from the jovian system: 2000 to 2003. Planetary and Space Science, 2010, 58, 965-993.	1.7	13
174	Simulation of polyvinylidene fluoride detector response to hypervelocity particle impact. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 622, 583-587.	1.6	11
175	Special Issue on Physics of Dusty Plasmas 2010. IEEE Transactions on Plasma Science, 2010, 38, 766-767.	1.3	0
176	First results from the Venetia Burney Student Dust Counter on the New Horizons mission. Geophysical Research Letters, 2010, 37, .	4.0	38
177	Simulations of the photoelectron sheath and dust levitation on the lunar surface. Journal of Geophysical Research, 2010, 115, .	3.3	114
178	Investigation of dust transport on the lunar surface in a laboratory plasma with an electron beam. Journal of Geophysical Research, 2010, 115, .	3.3	37
179	Plasma conditions and the structure of the Jovian ring. Journal of Geophysical Research, 2010, 115, .	3.3	8
180	Spokes in Saturn's B Ring: Could Lightning be the Cause?. IEEE Transactions on Plasma Science, 2010, 38, 874-879.	1.3	9

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181	Polyvinylidene fluoride dust detector response to particle impacts. Review of Scientific Instruments, 2010, 81, 034501.	1.3	15
182	Mass analysis of charged aerosol particles in NLC and PMSE during the ECOMA/MASS campaign. Annales Geophysicae, 2009, 27, 1213-1232.	1.6	51
183	Dust capture experiment in HT-7. New Journal of Physics, 2009, 11, 113041.	2.9	9
184	Lunar Dust Levitation. Journal of Aerospace Engineering, 2009, 22, 2-9.	1.4	69
185	Sample return of interstellar matter (SARIM). Experimental Astronomy, 2009, 23, 303-328.	3.7	13
186	DuneXpress. Experimental Astronomy, 2009, 23, 981-999.	3.7	11
187	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
188	Experiments on dust transport in plasma to investigate the origin of the lunar horizon glow. Journal of Geophysical Research, 2009, 114, .	3.3	40
189	The Student Dust Counter on the New Horizons Mission. , 2009, , 387-402.		1
190	Diffuse Rings. , 2009, , 511-536.		22
191	The Student Dust Counter on the New Horizons Mission. Space Science Reviews, 2008, 140, 387-402.	8.1	62
192	The Charging of Planetary Rings. Space Science Reviews, 2008, 137, 435-453.	8.1	21
193	New Horizons: Anticipated Scientific Investigations atÂtheÂPluto System. Space Science Reviews, 2008, 140, 93-127.	8.1	74
194	In-situ measurement of smoke particles in the wintertime polar mesosphere between 80 and 85km altitude. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 61-70.	1.6	40
195	Largeâ€scale structure of Saturn's Eâ€ring. Geophysical Research Letters, 2008, 35, .	4.0	53
196	In situ dust detection in fusion devices. Plasma Physics and Controlled Fusion, 2008, 50, 124046.	2.1	37
197	The Charging of Planetary Rings. Space Sciences Series of ISSI, 2008, , 435-453.	0.0	0
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