Michael E Zolensky

List of Publications by Year
in descending order

213	15,398	19657 61	18647 119
papers	citations	h-index	g-index

213	213	213	5441
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	12.6	848
2	Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples. Science, 2006, 314, 1735-1739.	12.6	589
3	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. Science, 2006, 314, 1720-1724.	12.6	519
4	Itokawa Dust Particles: A Direct Link Between S-Type Asteroids and Ordinary Chondrites. Science, 2011, 333, 1113-1116.	12.6	487
5	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	12.6	487
6	Mineralogy and composition of matrix and chondrule rims in carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 1993, 57, 3123-3148.	3.9	438
7	Mineralogical and chemical modification of components in CV3 chondrites: Nebular or asteroidal processing?. Meteoritics, 1995, 30, 748-775.	1.4	343
8	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	12.6	313
9	The impact and recovery of asteroid 2008 TC3. Nature, 2009, 458, 485-488.	27.8	311
10	Surface of Young Jupiter Family Comet 81P/Wild 2: View from the Stardust Spacecraft. Science, 2004, 304, 1764-1769.	12.6	300
11	The Fall, Recovery, Orbit, and Composition of the Tagish Lake Meteorite: A New Type of Carbonaceous Chondrite. Science, 2000, 290, 320-325.	12.6	282
12	Correlated alteration effects in CM carbonaceous chondrites. Geochimica Et Cosmochimica Acta, 1996, 60, 2621-2633.	3.9	280
13	Progressive alteration in CV3 chondrites: More evidence for asteroidal alteration. Meteoritics and Planetary Science, 1998, 33, 1065-1085.	1.6	272
14	Incipient Space Weathering Observed on the Surface of Itokawa Dust Particles. Science, 2011, 333, 1121-1125.	12.6	257
15	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	12.6	249
16	Aqueous alteration of the Nakhla meteorite. Meteoritics, 1991, 26, 135-143.	1.4	246
17	CM chondrites exhibit the complete petrologic range from type 2 to 1. Geochimica Et Cosmochimica Acta, 1997, 61, 5099-5115.	3.9	227
18	Chondrulelike Objects in Short-Period Comet 81P/Wild 2. Science, 2008, 321, 1664-1667.	12.6	215

#	ARTICLE	IF	CITATIONS
19	The Tagish Lake Meteorite: A Possible Sample from a D-Type Asteroid. Science, 2001, 293, 2234-2236.	12.6	208
20	Organic Globules in the Tagish Lake Meteorite: Remnants of the Protosolar Disk. Science, 2006, 314, 1439-1442.	12.6	208
21	Mineralogy of Tagish Lake: An ungrouped type 2 carbonaceous chondrite. Meteoritics and Planetary Science, 2002, 37, 737-761.	1.6	207
22	Nonracemic isovaline in the Murchison meteorite: chiral distribution and mineral association. Geochimica Et Cosmochimica Acta, 2003, 67, 1589-1595.	3.9	202
23	Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. Science, 2006, 314, 1731-1735.	12.6	200
24	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	12.6	191
25	Thermal metamorphism of the C, G, B, and F asteroids seen from the 0.7 Î¼m, 3 Î¼m, and UV absorption strengths in comparison with carbonaceous chondrites. Meteoritics and Planetary Science, 1996, 31, 321-327.	1.6	190
26	Aqueous alteration on the hydrous asteroids: Results of EQ3/6 computer simulations. Icarus, 1989, 78, 411-425.	2.5	186
27	Mineralogy of carbonaceous chondrite clasts in HED achondrites and the Moon. Meteoritics and Planetary Science, 1996, 31, 518-537.	1.6	180
28	Asteroidal Water Within Fluid Inclusion-Bearing Halite in an H5 Chondrite, Monahans (1998). Science, 1999, 285, 1377-1379.	12.6	167
29	Infrared Spectroscopy of Comet 81P/Wild 2 Samples Returned by Stardust. Science, 2006, 314, 1728-1731.	12.6	163
30	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. Science, 2011, 333, 1116-1119.	12.6	161
31	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791.	12.6	152
32	Evidence of Thermal Metamorphism on the C, G, B, and F Asteroids. Science, 1993, 261, 1016-1018.	12.6	150
33	A terrestrial origin for sulfate veins in CI1 chondrites. Meteoritics and Planetary Science, 2001, 36, 1321-1329.	1.6	142
34	Petrographic, chemical and spectroscopic evidence for thermal metamorphism in carbonaceous chondrites I: CI and CM chondrites. Geochimica Et Cosmochimica Acta, 2014, 126, 284-306.	3.9	142
35	Comparing Wild 2 particles to chondrites and IDPs. Meteoritics and Planetary Science, 2008, 43, 261-272.	1.6	136
36	Carbide-magnetite assemblages in type-3 ordinary chondrites. Geochimica Et Cosmochimica Acta, 1997, 61, 219-237.	3.9	133

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37	Origin of fayalitic olivine rims and lathâ€shaped matrix olivine in the CV3 chondrite Allende and its dark inclusions. Meteoritics and Planetary Science, 1997, 32, 31-49.	1.6	130
38	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. Science, 2011, 333, 1128-1131.	12.6	128
39	Space weathered rims found on the surfaces of the Itokawa dust particles. Meteoritics and Planetary Science, 2014, 49, 188-214.	1.6	127
40	The Kaidun Microbreccia Meteorite: A Harvest from the Inner and Outer Asteroid Belt. Chemie Der Erde, 2003, 63, 185-246.	2.0	124
41	Proposed structures for poorly characterized phases in C2M carbonaceous chondrite meteorites. Nature, 1984, 309, 240-242.	27.8	105
42	Secondary calciumâ€ironâ€rich minerals in the Baliâ€like and Allendeâ€like oxidized CV3 chondrites and Allende dark inclusions. Meteoritics and Planetary Science, 1998, 33, 623-645.	1.6	95
43	Sulfate Content of Europa's Ocean and Shell: Evolutionary Considerations and Some Geological and Astrobiological Implications. Astrobiology, 2003, 3, 879-897.	3.0	95
44	Osmium Isotope Evidence for an s-Process Carrier in Primitive Chondrites. Science, 2005, 309, 1233-1236.	12.6	93
45	The porosity and permeability of chondritic meteorites and interplanetary dust particles. Meteoritics and Planetary Science, 1997, 32, 509-515.	1.6	90
46	Direct Detection of Projectile Relics from the End of the Lunar Basinâ€"Forming Epoch. Science, 2012, 336, 1426-1429.	12.6	88
47	Hollow organic globules in the Tagish Lake meteorite as possible products of primitive organic reactions. International Journal of Astrobiology, 2002, 1, 179-189.	1.6	82
48	Mineralogy of carbonaceous chondritic microclasts in howardites: identification of C2 fossil micrometeorites. Geochimica Et Cosmochimica Acta, 2003, 67, 507-527.	3.9	81
49	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	12.6	78
50	Olivine in terminal particles of Stardust aerogel tracks and analogous grains in chondrite matrix. Geochimica Et Cosmochimica Acta, 2014, 142, 240-259.	3.9	75
51	The haliteâ€bearing Zag and Monahans (1998) meteorite breccias: Shock metamorphism, thermal metamorphism and aqueous alteration on the Hâ€chondrite parent body. Meteoritics and Planetary Science, 2002, 37, 125-141.	1.6	74
52	Mineralogy and petrography of the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1618-1637.	1.6	74
53	Iron and iron-nickel sulfides in chondritic interplanetary dust particles. Geochimica Et Cosmochimica Acta, 1995, 59, 4707-4712.	3.9	72
54	MarcoPolo-R near earth asteroid sample return mission. Experimental Astronomy, 2012, 33, 645-684.	3.7	72

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55	Hayabusaâ€returned sample curation in the Planetary Material Sample Curation Facility of JAXA. Meteoritics and Planetary Science, 2014, 49, 135-153.	1.6	70
56	One-pot synthesis of amino acid precursors with insoluble organic matter in planetesimals with aqueous activity. Science Advances, 2017, 3, e1602093.	10.3	69
57	The Kaidun meteorite: Mineralogy of an unusual CM1 lithology. Meteoritics and Planetary Science, 1996, 31, 484-493.	1.6	67
58	Florenskyite, FeTiP, a new phosphide from the Kaidun meteorite. American Mineralogist, 2000, 85, 1082-1086.	1.9	65
59	Re-Os isotopic systematics and platinum group element composition of the Tagish Lake carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2005, 69, 1619-1631.	3.9	64
60	Organic matter in extraterrestrial water-bearing salt crystals. Science Advances, 2018, 4, eaao3521.	10.3	64
61	Heavilyâ€hydrated lithic clasts in CH chondrites and the related, metalâ€rich chondrites Queen Alexandra Range 94411 and Hammadah al Hamra 237. Meteoritics and Planetary Science, 2002, 37, 281-293.	1.6	63
62	Oxygen isotopes in crystalline silicates of comet Wild 2: A comparison of oxygen isotope systematics between Wild 2 particles and chondritic materials. Earth and Planetary Science Letters, 2012, 357-358, 355-365.	4.4	63
63	Carbonaceous chondrite clasts in the howardites Bholghati and EET87513. Meteoritics, 1993, 28, 659-669.	1.4	61
64	Thermal and fragmentation history of ureilitic asteroids: Insights from the Almahata Sitta fall. Meteoritics and Planetary Science, 2010, 45, 1789-1803.	1.6	60
65	The Moon: An Archive of Small Body Migration in the Solar System. Earth, Moon and Planets, 2016, 118, 133-158.	0.6	60
66	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	1.6	59
67	Mineralogy and noble-gas signatures of the carbonate-rich lithology of the Tagish Lake carbonaceous chondrite: evidence for an accretionary breccia. Earth and Planetary Science Letters, 2003, 207, 83-101.	4.4	57
68	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill <scp>CM</scp> meteorite. Meteoritics and Planetary Science, 2014, 49, 1997-2016.	1.6	57
69	Structural water in the Bench Crater chondrite returned from the Moon. Meteoritics and Planetary Science, 1997, 32, 15-18.	1.6	56
70	Infrared diffuse reflectance spectra of carbonaceous chondrites: Amount of hydrous minerals. Meteoritics, 1994, 29, 849-853.	1.4	55
71	Assessment and control of organic and other contaminants associated with the Stardust sample return from comet 81P/Wild 2. Meteoritics and Planetary Science, 2010, 45, 406-433.	1.6	55
72	Neutron Activation Analysis of a Particle Returned from Asteroid Itokawa. Science, 2011, 333, 1119-1121.	12.6	55

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73	Kinetics of organic matter degradation in the Murchison meteorite for the evaluation of parent-body temperature history. Meteoritics and Planetary Science, 2010, 45, 99-113.	1.6	52
74	Replacement of olivine by serpentine in the carbonaceous chondrite Nogoya (CM2). Geochimica Et Cosmochimica Acta, 2012, 87, 117-135.	3.9	50
75	Advanced Curation of Astromaterials for Planetary Science. Space Science Reviews, 2019, 215, 1.	8.1	50
76	Small is beautiful: The analysis of nanogramâ€sized astromaterials. Meteoritics and Planetary Science, 2000, 35, 9-29.	1.6	49
77	Compositional variations of olivines and pyroxenes in chondritic interplanetary dust particles. Meteoritics, 1994, 29, 616-620.	1.4	48
78	Yamato 86029: Aqueously altered and thermally metamorphosed CIâ€like chondrite with unusual textures. Meteoritics and Planetary Science, 2003, 38, 269-292.	1.6	47
79	Record of Low-Temperature Alteration in Asteroids. Reviews in Mineralogy and Geochemistry, 2008, 68, 429-462.	4.8	47
80	Evidence for lowâ€temperature growth of fayalite and hedenbergite in MacAlpine Hills 88107, an ungrouped carbonaceous chondrite related to the CMâ€CO clan. Meteoritics and Planetary Science, 2000, 35, 1365-1386.	1.6	46
81	Re-examination of the formation ages of the Apollo 16 regolith breccias. Geochimica Et Cosmochimica Acta, 2011, 75, 7208-7225.	3.9	46
82	The Orgueil meteorite: 150Âyears of history. Meteoritics and Planetary Science, 2014, 49, 1769-1794.	1.6	45
83	Absorption bands near three micrometers in diffuse reflectance spectra of carbonaceous chondrites: Comparison with asteroids. Meteoritics and Planetary Science, 1997, 32, 503-507.	1.6	44
84	Release and fragmentation of aggregates to produce heterogeneous, lumpy coma streams. Journal of Geophysical Research, 2004, 109, .	3.3	44
85	Almahata Sitta (=asteroid 2008 TC₃) and the search for the ureilite parent body. Meteoritics and Planetary Science, 2010, 45, 1590-1617.	1.6	44
86	TOFâ€SIMS analysis of cometary matter in Stardust aerogel tracks. Meteoritics and Planetary Science, 2008, 43, 233-246.	1.6	42
87	Andreyivanovite: A second new phosphide from the Kaidun meteorite. American Mineralogist, 2008, 93, 1295-1299.	1.9	42
88	Stardust encounters comet 81P/Wild 2. Journal of Geophysical Research, 2004, 109, .	3.3	41
89	A unique basaltic micrometeorite expands the inventory of solar system planetary crusts. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 6904-6909.	7.1	41
90	Mineralogy, petrology and geochemistry of carbonaceous chondritic clasts in the LEW 85300 polymict eucrite. Meteoritics, 1992, 27, 596-604.	1.4	40

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91	Dmitryivanovite: A new high-pressure calcium aluminum oxide from the Northwest Africa 470 CH3 chondrite characterized using electron backscatter diffraction analysis. American Mineralogist, 2009, 94, 746-750.	1.9	39
92	Brownleeite: A new manganese silicide mineral in an interplanetary dust particle. American Mineralogist, 2010, 95, 221-228.	1.9	39
93	Asteroid Ryugu before the Hayabusa2 encounter. Progress in Earth and Planetary Science, 2018, 5, .	3.0	39
94	Cometary dust: the diversity of primitive refractory grains. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160260.	3.4	38
95	The accumulation rate of meteorite falls at the Earth's surface: The view from Roosevelt County, New Mexico. Meteoritics, 1990, 25, 11-17.	1.4	37
96	Nanoscale infrared imaging analysis of carbonaceous chondrites to understand organic-mineral interactions during aqueous alteration. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 753-758.	7.1	37
97	Rapid contamination during storage of carbonaceous chondrites prepared for micro FTIR measurements. Meteoritics and Planetary Science, 2009, 44, 545-557.	1.6	36
98	The oxygen isotope composition of Almahata Sitta. Meteoritics and Planetary Science, 2010, 45, 1765-1770.	1.6	35
99	Late formation of a comet Wild 2 crystalline silicate particle, Pyxie, inferred from Alâ€“Mg chronology of plagioclase. Earth and Planetary Science Letters, 2015, 410, 54-61.	4.4	35
100	Organic matter from comet 81P/Wild 2, IDPs, and carbonaceous meteorites; similarities and differences. Meteoritics and Planetary Science, 2009, 44, 1611-1626.	1.6	34
101	Hydrogen isotopic composition of water from fossil micrometeorites in howardites. Geochimica Et Cosmochimica Acta, 2005, 69, 3431-3443.	3.9	33
102	MicroRaman spectroscopy of diamond and graphite in Almahata Sitta and comparison with other ureilites. Meteoritics and Planetary Science, 2011, 46, 364-378.	1.6	32
103	The first samples from Almahata Sitta showing contacts between ureilitic and chondritic lithologies: Implications for the structure and composition of asteroid 2008 <scp>TC</scp>₃. Meteoritics and Planetary Science, 2019, 54, 2769-2813.	1.6	32
104	Spatial distribution of organic matter in the Bells CM2 chondrite using nearâ€field infrared microspectroscopy. Meteoritics and Planetary Science, 2010, 45, 394-405.	1.6	31
105	⁵³Mnâ€⁵³Cr ages of Kaidun carbonates. Meteoritics and Planetary Science, 2011, 46, 275-283.	1.6	31
106	Clasts in the <scp>CM</scp>2 carbonaceous chondrite Lonewolf Nunataks 94101: Evidence for aqueous alteration prior to complex mixing. Meteoritics and Planetary Science, 2013, 48, 1074-1090.	1.6	31
107	Fayalitic olivine in matrix of the Krymka LL3.1 chondrite: Vaporâ€solid growth in the solar nebula. Meteoritics and Planetary Science, 1997, 32, 791-801.	1.6	30
108	Investigation of organo-carbonate associations in carbonaceous chondrites by Raman spectroscopy. Geochimica Et Cosmochimica Acta, 2017, 201, 392-409.	3.9	30

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109	The SariÃ§iÃ§ek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	1.6	30
110	Survival of life on asteroids, comets and other small bodies. Origins of Life and Evolution of Biospheres, 1999, 29, 521-545.	1.9	29
111	Curating NASA's extraterrestrial samplesâ€”Past, present, and future. Chemie Der Erde, 2011, 71, 1-20.	2.0	29
112	Xenoliths and microxenoliths in H chondrites: Sampling the zodiacal cloud in the asteroid Main Belt. Meteoritics and Planetary Science, 2012, 47, 880-902.	1.6	29
113	Final reports of the Stardust Interstellar Preliminary Examination. Meteoritics and Planetary Science, 2014, 49, 1720-1733.	1.6	29
114	Replacement of olivine by serpentine in the Queen Alexandra Range 93005 carbonaceous chondrite (CM2): Reactantâ€“product compositional relations, and isovolumetric constraints on reaction stoichiometry and elemental mobility during aqueous alteration. Geochimica Et Cosmochimica Acta, 2015, 148, 402-425.	3.9	28
115	A primitive dark inclusion with radiationâ€damaged silicates in the Ningqiang carbonaceous chondrite. Meteoritics and Planetary Science, 2003, 38, 305-322.	1.6	27
116	Shock melts in QUE 94411, Hammadah al Hamra 237, and Bencubbin: Remains of the missing matrix?. Meteoritics and Planetary Science, 2005, 40, 1377-1391.	1.6	27
117	Curation, spacecraft recovery, and preliminary examination for the Stardust mission: A perspective from the curatorial facility. Meteoritics and Planetary Science, 2008, 43, 5-21.	1.6	27
118	Ferrous silicate spherules with euhedral ironâ€nickel metal grains from CH carbonaceous chondrites: Evidence for supercooling and condensation under oxidizing conditions. Meteoritics and Planetary Science, 2000, 35, 1249-1258.	1.6	26
119	Dust in cometary comae: Present understanding of the structure and composition of dust particles. Planetary and Space Science, 2008, 56, 1719-1724.	1.7	26
120	TOFâ€SIMS analysis of cometary particles extracted from Stardust aerogel. Meteoritics and Planetary Science, 2008, 43, 285-298.	1.6	25
121	Igneous Ca-rich pyroxene in comet 81P/Wild 2. American Mineralogist, 2008, 93, 1933-1936.	1.9	25
122	A novel organic-rich meteoritic clast from the outer solar system. Scientific Reports, 2019, 9, 3169.	3.3	25
123	Stardust Interstellar Preliminary Examination X: Impact speeds and directions of interstellar grains on the Stardust dust collector. Meteoritics and Planetary Science, 2014, 49, 1680-1697.	1.6	24
124	Mineralogy and crystallography of some Itokawa particles returned by the Hayabusa asteroidal sample return mission. Earth, Planets and Space, 2014, 66, .	2.5	24
125	Mineral chemistry of <scp>MUSES</scp>â€C Regio inferred from analysis of dust particles collected from the firstâ€•and secondâ€touchdown sites on asteroid Itokawa. Meteoritics and Planetary Science, 2014, 49, 215-227.	1.6	23
126	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	12.8	23

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127	Surface morphological features of boulders on Asteroid 25143 Itokawa. Icarus, 2010, 206, 319-326.	2.5	22
128	Isotopic compositions of asteroidal liquid water trapped in fluid inclusions of chondrites. Geochemical Journal, 2014, 48, 549-560.	1.0	22
129	Identification of magnetite in lunar regolith breccia 60016: Evidence for oxidized conditions at the lunar surface. Meteoritics and Planetary Science, 2015, 50, 1157-1172.	1.6	22
130	Small hypervelocity particles captured in aerogel collectors: Location, extraction, handling and storage. Meteoritics and Planetary Science, 2002, 37, 855-865.	1.6	21
131	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	1.6	21
132	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	1.6	21
133	Results of the LDEF meteoroid and debris special investigation group. Advances in Space Research, 1993, 13, 75-85.	2.6	20
134	The Kaidun meteorite: Composition and origin of inclusions in the metal of an enstatite chondrite clast. Meteoritics and Planetary Science, 1996, 31, 621-626.	1.6	20
135	On the origin of rim textures surrounding anhydrous silicate grains in CM carbonaceous chondrites. Meteoritics and Planetary Science, 2000, 35, 1015-1023.	1.6	20
136	Devolatilization or melting of carbonates at Meteor Crater, <scp>AZ</scp>?. Meteoritics and Planetary Science, 2015, 50, 1050-1070.	1.6	20
137	The age of the meteorite recovery surfaces of Roosevelt County, New Mexico, USA. Meteoritics, 1992, 27, 460-462.	1.4	19
138	High precision oxygen threeâ€isotope analyses of anhydrous chondritic interplanetary dust particles. Meteoritics and Planetary Science, 2012, 47, 197-208.	1.6	19
139	Stardust Interstellar Preliminary Examination <scp>IX</scp>: Highâ€speed interstellar dust analog capture in Stardust flightâ€spare aerogel. Meteoritics and Planetary Science, 2014, 49, 1666-1679.	1.6	19
140	<scp>LIME</scp> silicates in amoeboid olivine aggregates in carbonaceous chondrites: Indicator of nebular and asteroidal processes. Meteoritics and Planetary Science, 2015, 50, 1271-1294.	1.6	19
141	Stardust Interstellar Preliminary Examination <scp>II</scp>: Curating the interstellar dust collector, picokeystones, and sources of impact tracks. Meteoritics and Planetary Science, 2014, 49, 1522-1547.	1.6	18
142	Stardust Interstellar Preliminary Examination <scp>IV</scp>: Scanning transmission Xâ€ray microscopy analyses of impact features in the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1562-1593.	1.6	18
143	Electron microscopy of pyroxene in the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1812-1820.	1.6	17
144	A light, chondritic xenolith in the Murchison (CM) chondrite â€" Formation by fluid-assisted percolation during metasomatism?. Chemie Der Erde, 2019, 79, 125518.	2.0	17

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145	Stardust Interstellar Preliminary Examination <scp>XI</scp>: Identification and elemental analysis of impact craters on Al foils from the Stardust Interstellar Dust Collector. Meteoritics and Planetary Science, 2014, 49, 1698-1719.	1.6	16
146	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. Meteoritics and Planetary Science, 2014, 49, 1509-1521.	1.6	16
147	The future of Stardust science. Meteoritics and Planetary Science, 2017, 52, 1859-1898.	1.6	16
148	Discovery of primitive CO ₂ -bearing fluid in an aqueously altered carbonaceous chondrite. Science Advances, 2021, 7, .	10.3	16
149	Acidâ€susceptive material as a host phase of argonâ€rich noble gas in the carbonaceous chondrite Ningqiang. Meteoritics and Planetary Science, 2003, 38, 243-250.	1.6	15
150	Discovery of nonâ€random spatial distribution of impacts in the Stardust cometary collector. Meteoritics and Planetary Science, 2008, 43, 415-429.	1.6	15
151	The search for and analysis of direct samples of early Solar System aqueous fluids. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20150386.	3.4	15
152	Heating experiments of the Tagish Lake meteorite: Investigation of the effects of shortâ€term heating on chondritic organics. Meteoritics and Planetary Science, 2019, 54, 104-125.	1.6	15
153	The origin of dark inclusions in Allende: New evidence from lithium isotopes. Meteoritics and Planetary Science, 2006, 41, 1039-1043.	1.6	14
154	Triple Fâ€"a comet nucleus sample return mission. Experimental Astronomy, 2009, 23, 809-847.	3.7	14
155	Threeâ€dimensional shapes and Fe contents of Stardust impact tracks: A track formation model and estimation of comet Wild 2 coma dust particle densities. Meteoritics and Planetary Science, 2010, 45, 1302-1319.	1.6	14
156	Three-dimensional observation and morphological analysis of organic nanoglobules in a carbonaceous chondrite using X-ray micro-tomography. Geochimica Et Cosmochimica Acta, 2013, 116, 84-95.	3.9	14
157	Characterization of carbonaceous matter in xenolithic clasts from the Sharps (H3.4) meteorite: Constraints on the origin and thermal processing. Geochimica Et Cosmochimica Acta, 2017, 196, 74-101.	3.9	14
158	The polymict carbonaceous breccia Aguas Zarcas: A potential analog to samples being returned by the OSIRISâ€REx and Hayabusa2 missions. Meteoritics and Planetary Science, 2021, 56, 277-310.	1.6	14
159	Stardust Interstellar Preliminary Examination <scp>VII</scp>: Synchrotron Xâ€ray fluorescence analysis of six Stardust interstellar candidates measured with the Advanced Photon Source 2â€<scp>ID</scp>â€D microprobe. Meteoritics and Planetary Science, 2014, 49, 1626-1644.	1.6	13
160	The Kaidun meteorite: Clasts of alkalineâ€rich fractionated materials. Meteoritics and Planetary Science, 2003, 38, 725-737.	1.6	12
161	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. Meteoritics and Planetary Science, 2014, 49, 1645-1665.	1.6	12
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