Michael E Zolensky

List of Publications by Year
in descending order

213 papers	15,398 citations	22548 61 h-index	21239 119 g-index
213 all docs	213 docs citations	213 times ranked	5935 citing authors

#	Article	IF	Citations
1	Concepts for the Future Exploration of Dwarf Planet Ceresâ€™ Habitability. Planetary Science Journal, 2022, 3, 41.	1.5	9
2	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	6.0	78
3	Measuring the shock stage of Itokawa and asteroid regolith grains by electron backscattered diffraction, optical petrography, and synchrotron Xâ€ray diffraction. Meteoritics and Planetary Science, 2022, 57, 1060-1078.	0.7	2
4	Water and organics in meteorites. , 2022, , 67-110.		4
5	Compositional and spectroscopic investigation of three ungrouped carbonaceous chondrites. Meteoritics and Planetary Science, 2022, 57, 1665-1687.	0.7	4
6	Heterogeneous nature of the carbonaceous chondrite breccia Aguas Zarcas â€“ Cosmochemical characterization and origin of new carbonaceous chondrite lithologies. Geochimica Et Cosmochimica Acta, 2022, 334, 155-186.	1.6	7
7	The nature of the CM parent asteroid regolith based on cosmic ray exposure ages. Meteoritics and Planetary Science, 2021, 56, 49-55.	0.7	5
8	The fall of the Murchison meteorite. Meteoritics and Planetary Science, 2021, 56, 8-10.	0.7	1
9	The Stardust sample return mission. , 2021, , 79-104.		6
10	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.	0.7	14
11	Thermal metamorphism of CM chondrites: A dehydroxylationâ€based peakâ€temperature thermometer and implications for sample return from asteroids Ryugu and Bennu. Meteoritics and Planetary Science, 2021, 56, 546-585.	0.7	9
12	Definition and use of functional analogues in planetary exploration. Planetary and Space Science, 2021, 197, 105162.	0.9	10
13	Discovery of primitive CO ₂ -bearing fluid in an aqueously altered carbonaceous chondrite. Science Advances, 2021, 7, .	4.7	16
14	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	0.7	21
15	The Long Duration Exposure Facilityâ€”A forgotten bridge between Apollo and Stardust. Meteoritics and Planetary Science, 2021, 56, 900.	0.7	2
16	Analytical protocols for Phobos regolith samples returned by the Martian Moons eXploration (MMX) mission. Earth, Planets and Space, 2021, 73, 120.	0.9	8
17	Recovery of meteorites using an autonomous drone and machine learning. Meteoritics and Planetary Science, 2021, 56, 1073-1085.	0.7	2
18	A preparation sequence for multiâ€analysis of Âµmâ€sized extraterrestrial and geological samples. Meteoritics and Planetary Science, 2021, 56, 1151-1172.	0.7	7

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19	Organic matter in carbonaceous chondrite lithologies of Almahata Sitta: Incorporation of previously unsampled carbonaceous chondrite lithologies into ureilitic regolith. Meteoritics and Planetary Science, 2021, 56, 1311-1327.	0.7	5
20	Leonard Medal Acceptance. Meteoritics and Planetary Science, 2021, 56, 897-899.	0.7	0
21	Spectrally blue hydrated parent body of asteroid (162173) Ryugu. Nature Communications, 2021, 12, 5837.	5.8	23
22	An unusual porous, cryptocrystalline forsterite chondrule in Murchison. Meteoritics and Planetary Science, 2021, 56, 56-60.	0.7	1
23	Primordial organic matter in the xenolithic clast in the Zag H chondrite: Possible relation to D/P asteroids. Geochimica Et Cosmochimica Acta, 2020, 271, 61-77.	1.6	12
24	Kinetics in thermal evolution of Raman spectra of chondritic organic matter to evaluate thermal history of their parent bodies. Meteoritics and Planetary Science, 2020, 55, .	0.7	5
25	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.	0.7	32
26	Advanced Curation of Astromaterials for Planetary Science. Space Science Reviews, 2019, 215, 1.	3.7	50
27	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	0.7	21
28	A light, chondritic xenolith in the Murchison (CM) chondrite â€“ Formation by fluid-assisted percolation during metasomatism?. Chemie Der Erde, 2019, 79, 125518.	0.8	17
29	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	0.7	9
30	Best practices for the use of meteorite names in publications. Meteoritics and Planetary Science, 2019, 54, 1397-1400.	0.7	2
31	The geomorphology, color, and thermal properties of Ryugu: Implications for parent-body processes. Science, 2019, 364, 252.	6.0	313
32	Fineâ€grained material associated with a large sulfide returned from CometÂ81P/Wild 2. Meteoritics and Planetary Science, 2019, 54, 1069-1091.	0.7	6
33	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.	0.7	30
34	A novel organic-rich meteoritic clast from the outer solar system. Scientific Reports, 2019, 9, 3169.	1.6	25
35	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.	3.3	37
36	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.	0.7	15

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37	Organic matter in extraterrestrial water-bearing salt crystals. Science Advances, 2018, 4, eaao3521.	4.7	64
38	Asteroid Ryugu before the Hayabusa2 encounter. Progress in Earth and Planetary Science, 2018, 5, .	1.1	39
39	Physical, Chemical, and Petrological Characteristics of Chondritic Materials and Their Relationships to Small Solar System Bodies. , 2018, , 59-204.		7
40	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.	1.6	15
41	Cometary dust: the diversity of primitive refractory grains. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160260.	1.6	38
42	One-pot synthesis of amino acid precursors with insoluble organic matter in planetesimals with aqueous activity. Science Advances, 2017, 3, e1602093.	4.7	69
43	Modeling orbital gammaâ€ray spectroscopy experiments at carbonaceous asteroids. Meteoritics and Planetary Science, 2017, 52, 174-190.	0.7	1
44	The future of Stardust science. Meteoritics and Planetary Science, 2017, 52, 1859-1898.	0.7	16
45	Investigation of organo-carbonate associations in carbonaceous chondrites by Raman spectroscopy. Geochimica Et Cosmochimica Acta, 2017, 201, 392-409.	1.6	30
46	Thermophysical properties of Almahata Sitta meteorites (asteroid 2008 <scp>TC</scp>₃) for highâ€fidelity entry modeling. Meteoritics and Planetary Science, 2017, 52, 197-205.	0.7	9
47	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.	1.6	14
48	Search for primitive matter in the Solar System. Icarus, 2017, 282, 375-379.	1.1	9
49	Magnetite plaquettes are naturally asymmetric materials in meteorites. American Mineralogist, 2016, 101, 2041-2050.	0.9	11
50	The Moon: An Archive of Small Body Migration in the Solar System. Earth, Moon and Planets, 2016, 118, 133-158.	0.3	60
51	Mineralogy of iron sulfides in <scp>CM</scp>1 and <scp>CI</scp>1 lithologies of the Kaidun breccia: Records of extreme to intense hydrothermal alteration. Meteoritics and Planetary Science, 2016, 51, 1096-1109.	0.7	10
52	Meteorites found on Misfits Flat dry lake, Nevada. Meteoritics and Planetary Science, 2016, 51, 757-772.	0.7	1
53	Identification of magnetite in lunar regolith breccia 60016: Evidence for oxidized conditions at the lunar surface. Meteoritics and Planetary Science, 2015, 50, 1157-1172.	0.7	22
54	The Earth, Planets and Space Special Issue: â€œScience of solar system materials examined from Hayabusa and future missionsâ€• Earth, Planets and Space, 2015, 67, .	0.9	5

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55	Devolatilization or melting of carbonates at Meteor Crater, <scp>AZ</scp>?. Meteoritics and Planetary Science, 2015, 50, 1050-1070.	0.7	20
56	<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.	0.7	19
57	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.	1.8	35
58	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.	1.6	28
59	Coordinated Microanalyses of Seven Particles of Probable Interstellar Origin from the Stardust Mission.. Microscopy and Microanalysis, 2014, 20, 1692-1693.	0.2	9
60	Mineral chemistry of <scp>MUSES</scp>â€Ć 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.	0.7	23
61	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.	0.7	24
62	Sylvite and halite on particles recovered from 25143 Itokawa: A preliminary report. Meteoritics and Planetary Science, 2014, 49, 1305-1314.	0.7	11
63	The Orgueil meteorite: 150Âyears of history. Meteoritics and Planetary Science, 2014, 49, 1769-1794.	0.7	45
64	Space weathered rims found on the surfaces of the Itokawa dust particles. Meteoritics and Planetary Science, 2014, 49, 188-214.	0.7	127
65	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.	0.7	19
66	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.	0.7	16
67	Stardust Interstellar Preliminary Examination VIII: Identification of crystalline material in two interstellar candidates. Meteoritics and Planetary Science, 2014, 49, 1645-1665.	0.7	12
68	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€Ð microprobe. Meteoritics and Planetary Science, 2014, 49, 1626-1644.	0.7	13
69	Stardust Interstellar Preliminary Examination <scp>VI</scp>: Quantitative elemental analysis by synchrotron Xâ€ray fluorescence nanoimaging of eight impact features in aerogel. Meteoritics and Planetary Science, 2014, 49, 1612-1625.	0.7	12
70	Presolar grains in the <scp>CM</scp>2 chondrite Sutter's Mill. Meteoritics and Planetary Science, 2014, 49, 2038-2046.	0.7	9
71	Mineralogy and crystallography of some Itokawa particles returned by the Hayabusa asteroidal sample return mission. Earth, Planets and Space, 2014, 66, .	0.9	24
72	Diamond xenolith and matrix organic matter in the Sutter's Mill meteorite measured by Câ€<scp>XANES</scp>. Meteoritics and Planetary Science, 2014, 49, 2095-2103.	0.7	9

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73	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill <scp>CM</scp> meteorite. Meteoritics and Planetary Science, 2014, 49, 1997-2016.	0.7	57
74	Petrographic, chemical and spectroscopic evidence for thermal metamorphism in carbonaceous chondrites I: CI and CM chondrites. Geochimica Et Cosmochimica Acta, 2014, 126, 284-306.	1.6	142
75	Stardust Interstellar Preliminary Examination V: <scp>XRF</scp> analyses of interstellar dust candidates at <scp>ESRF ID</scp>13. Meteoritics and Planetary Science, 2014, 49, 1594-1611.	0.7	12
76	Final reports of the Stardust Interstellar Preliminary Examination. Meteoritics and Planetary Science, 2014, 49, 1720-1733.	0.7	29
77	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.	0.7	18
78	Stardust Interstellar Preliminary Examination <scp>III</scp>: Infrared spectroscopic analysis of interstellar dust candidates. Meteoritics and Planetary Science, 2014, 49, 1548-1561.	0.7	12
79	Stardust Interstellar Preliminary Examination I: Identification of tracks in aerogel. Meteoritics and Planetary Science, 2014, 49, 1509-1521.	0.7	16
80	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.	0.7	18
81	Evidence for interstellar origin of seven dust particles collected by the Stardust spacecraft. Science, 2014, 345, 786-791.	6.0	152
82	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	0.7	59
83	Olivine in terminal particles of Stardust aerogel tracks and analogous grains in chondrite matrix. Geochimica Et Cosmochimica Acta, 2014, 142, 240-259.	1.6	75
84	Hayabusaâ€returned sample curation in the Planetary Material Sample Curation Facility of JAXA. Meteoritics and Planetary Science, 2014, 49, 135-153.	0.7	70
85	Isotopic compositions of asteroidal liquid water trapped in fluid inclusions of chondrites. Geochemical Journal, 2014, 48, 549-560.	0.5	22
86	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	6.0	487
87	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.	1.6	14
88	WÃ¼stite in the fusion crust of Almahata Sitta sulfideâ€metal assemblage <scp>MS</scp>â€166: Evidence for oxygen in metallic melts. Meteoritics and Planetary Science, 2013, 48, 730-743.	0.7	7
89	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.	0.7	31
90	Curating NASA's Extraterrestrial Samples. Eos, 2013, 94, 253-254.	0.1	3

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91	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	6.0	191
92	High precision oxygen threeâ€isotope analyses of anhydrous chondritic interplanetary dust particles. Meteoritics and Planetary Science, 2012, 47, 197-208.	0.7	19
93	Direct Detection of Projectile Relics from the End of the Lunar Basinâ€“Forming Epoch. Science, 2012, 336, 1426-1429.	6.0	88
94	Replacement of olivine by serpentine in the carbonaceous chondrite Nogoya (CM2). Geochimica Et Cosmochimica Acta, 2012, 87, 117-135.	1.6	50
95	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.	1.8	63
96	MarcoPolo-R near earth asteroid sample return mission. Experimental Astronomy, 2012, 33, 645-684.	1.6	72
97	Xenoliths and microxenoliths in H chondrites: Sampling the zodiacal cloud in the asteroid Main Belt. Meteoritics and Planetary Science, 2012, 47, 880-902.	0.7	29
98	Incipient Space Weathering Observed on the Surface of Itokawa Dust Particles. Science, 2011, 333, 1121-1125.	6.0	257
99	Itokawa Dust Particles: A Direct Link Between S-Type Asteroids and Ordinary Chondrites. Science, 2011, 333, 1113-1116.	6.0	487
100	Curating NASA's extraterrestrial samplesâ€”Past, present, and future. Chemie Der Erde, 2011, 71, 1-20.	0.8	29
101	Re-examination of the formation ages of the Apollo 16 regolith breccias. Geochimica Et Cosmochimica Acta, 2011, 75, 7208-7225.	1.6	46
102	⁵³Mnâ€“⁵³Cr ages of Kaidun carbonates. Meteoritics and Planetary Science, 2011, 46, 275-283.	0.7	31
103	MicroRaman spectroscopy of diamond and graphite in Almahata Sitta and comparison with other ureilites. Meteoritics and Planetary Science, 2011, 46, 364-378.	0.7	32
104	Oxygen Isotopic Compositions of Asteroidal Materials Returned from Itokawa by the Hayabusa Mission. Science, 2011, 333, 1116-1119.	6.0	161
105	Three-Dimensional Structure of Hayabusa Samples: Origin and Evolution of Itokawa Regolith. Science, 2011, 333, 1125-1128.	6.0	249
106	Irradiation History of Itokawa Regolith Material Deduced from Noble Gases in the Hayabusa Samples. Science, 2011, 333, 1128-1131.	6.0	128
107	Neutron Activation Analysis of a Particle Returned from Asteroid Itokawa. Science, 2011, 333, 1119-1121.	6.0	55
108	Surface morphological features of boulders on Asteroid 25143 Itokawa. Icarus, 2010, 206, 319-326.	1.1	22

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109	Brownleeite: A new manganese silicide mineral in an interplanetary dust particle. American Mineralogist, 2010, 95, 221-228.	0.9	39
110	Non-destructive search for interstellar dust using synchrotron microprobes. , 2010, , .		8
111	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.	0.7	52
112	Spatial distribution of organic matter in the Bells CM2 chondrite using nearâ€field infrared microspectroscopy. Meteoritics and Planetary Science, 2010, 45, 394-405.	0.7	31
113	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.	0.7	55
114	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.	0.7	14
115	The oxygen isotope composition of Almahata Sitta. Meteoritics and Planetary Science, 2010, 45, 1765-1770.	0.7	35
116	Electron microscopy of pyroxene in the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1812-1820.	0.7	17
117	Mineralogy and petrography of the Almahata Sitta ureilite. Meteoritics and Planetary Science, 2010, 45, 1618-1637.	0.7	74
118	Thermal and fragmentation history of ureilitic asteroids: Insights from the Almahata Sitta fall. Meteoritics and Planetary Science, 2010, 45, 1789-1803.	0.7	60
119	Almahata Sitta (=asteroid 2008 TC₃) and the search for the ureilite parent body. Meteoritics and Planetary Science, 2010, 45, 1590-1617.	0.7	44
120	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.	3.3	41
121	Triple Fâ€”a comet nucleus sample return mission. Experimental Astronomy, 2009, 23, 809-847.	1.6	14
122	The impact and recovery of asteroid 2008 TC3. Nature, 2009, 458, 485-488.	13.7	311
123	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.	0.9	39
124	Rapid contamination during storage of carbonaceous chondrites prepared for micro FTIR measurements. Meteoritics and Planetary Science, 2009, 44, 545-557.	0.7	36
125	Submicron Distribution of Organic Matter of Carbonaceous Chondrite Using Near-field Infrared Microspectroscopy. Chemistry Letters, 2009, 38, 22-23.	0.7	10
126	Organic matter from comet 81P/Wild 2, IDPs, and carbonaceous meteorites; similarities and differences. Meteoritics and Planetary Science, 2009, 44, 1611-1626.	0.7	34

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127	Dust in cometary comae: Present understanding of the structure and composition of dust particles. Planetary and Space Science, 2008, 56, 1719-1724.	0.9	26
128	Pegmatoid objects in a sample of the Kaidun meteorite. Geochemistry International, 2008, 46, 759-774.	0.2	3
129	Chondrulelike Objects in Short-Period Comet 81P/Wild 2. Science, 2008, 321, 1664-1667.	6.0	215
130	Curation, spacecraft recovery, and preliminary examination for the Stardust mission: A perspective from the curatorial facility. Meteoritics and Planetary Science, 2008, 43, 5-21.	0.7	27
131	TOFâ€SIMS analysis of cometary matter in Stardust aerogel tracks. Meteoritics and Planetary Science, 2008, 43, 233-246.	0.7	42
132	Comparing Wild 2 particles to chondrites and IDPs. Meteoritics and Planetary Science, 2008, 43, 261-272.	0.7	136
133	TOFâ€SIMS analysis of cometary particles extracted from Stardust aerogel. Meteoritics and Planetary Science, 2008, 43, 285-298.	0.7	25
134	Discovery of nonâ€random spatial distribution of impacts in the Stardust cometary collector. Meteoritics and Planetary Science, 2008, 43, 415-429.	0.7	15
135	Andreyivanovite: A second new phosphide from the Kaidun meteorite. American Mineralogist, 2008, 93, 1295-1299.	0.9	42
136	Igneous Ca-rich pyroxene in comet 81P/Wild 2. American Mineralogist, 2008, 93, 1933-1936.	0.9	25
137	Record of Low-Temperature Alteration in Asteroids. Reviews in Mineralogy and Geochemistry, 2008, 68, 429-462.	2.2	47
138	15. Record of Low-Temperature Alteration in Asteroids. , 2008, , 429-462.		9
139	A comet in the lab. Astronomy and Geophysics, 2007, 48, 6.27-6.31.	0.1	1
140	Comet 81P/Wild 2 Under a Microscope. Science, 2006, 314, 1711-1716.	6.0	848
141	Infrared Spectroscopy of Comet 81P/Wild 2 Samples Returned by Stardust. Science, 2006, 314, 1728-1731.	6.0	163
142	Elemental Compositions of Comet 81P/Wild 2 Samples Collected by Stardust. Science, 2006, 314, 1731-1735.	6.0	200
143	Mineralogy and Petrology of Comet 81P/Wild 2 Nucleus Samples. Science, 2006, 314, 1735-1739.	6.0	589
144	The origin of dark inclusions in Allende: New evidence from lithium isotopes. Meteoritics and Planetary Science, 2006, 41, 1039-1043.	0.7	14

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145	Comet Wild-2 samples are now available for general allocation and analysis. Meteoritics and Planetary Science, 2006, 41, 1419-1419.	0.7	2
146	Organics Captured from Comet 81P/Wild 2 by the Stardust Spacecraft. Science, 2006, 314, 1720-1724.	6.0	519
147	Preliminary examination of the comet Wild 2 samples returned by the Stardust spacecraft. Proceedings of the International Astronomical Union, 2006, 2, 327-328.	0.0	2
148	Kaidun meteorite: Crystals of oxides in cavities. Geochemistry International, 2006, 44, 249-257.	0.2	2
149	Organic Globules in the Tagish Lake Meteorite: Remnants of the Protosolar Disk. Science, 2006, 314, 1439-1442.	6.0	208
150	Osmium Isotope Evidence for an s-Process Carrier in Primitive Chondrites. Science, 2005, 309, 1233-1236.	6.0	93
151	Lidar Backscatter Properties of Al2O3 Rocket Exhaust Particles. Journal of Spacecraft and Rockets, 2005, 42, 711-715.	1.3	6
152	Shock melts in QUE 94411, Hammadah al Hamra 237, and Bencubbin: Remains of the missing matrix?. Meteoritics and Planetary Science, 2005, 40, 1377-1391.	0.7	27
153	Re-Os isotopic systematics and platinum group element composition of the Tagish Lake carbonaceous chondrite. Geochimica Et Cosmochimica Acta, 2005, 69, 1619-1631.	1.6	64
154	Hydrogen isotopic composition of water from fossil micrometeorites in howardites. Geochimica Et Cosmochimica Acta, 2005, 69, 3431-3443.	1.6	33
155	Surface of Young Jupiter Family Comet 81P/Wild 2: View from the Stardust Spacecraft. Science, 2004, 304, 1764-1769.	6.0	300
156	Stardust encounters comet 81P/Wild 2. Journal of Geophysical Research, 2004, 109, .	3.3	41
157	Release and fragmentation of aggregates to produce heterogeneous, lumpy coma streams. Journal of Geophysical Research, 2004, 109, .	3.3	44
158	The Kaidun meteorite: Clasts of alkalineâ€rich fractionated materials. Meteoritics and Planetary Science, 2003, 38, 725-737.	0.7	12
159	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.	0.7	15
160	Yamato 86029: Aqueously altered and thermally metamorphosed Clâ€like chondrite with unusual textures. Meteoritics and Planetary Science, 2003, 38, 269-292.	0.7	47
161	A primitive dark inclusion with radiationâ€damaged silicates in the Ningqiang carbonaceous chondrite. Meteoritics and Planetary Science, 2003, 38, 305-322.	0.7	27
162	Mineralogy of carbonaceous chondritic microclasts in howardites: identification of C2 fossil micrometeorites. Geochimica Et Cosmochimica Acta, 2003, 67, 507-527.	1.6	81

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163	Nonracemic isovaline in the Murchison meteorite: chiral distribution and mineral association. Geochimica Et Cosmochimica Acta, 2003, 67, 1589-1595.	1.6	202
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