

# Tim McCoy

## List of Publications by Year in descending order

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184  
papers

12,738  
citations

21215

62  
h-index

33145

104  
g-index

195  
all docs

195  
docs citations

195  
times ranked

6046  
citing authors

#	ARTICLE	IF	CITATIONS
1	Deciphering Redox State for a Metal-Rich World. <i>Space Science Reviews</i> , 2022, 218, 6.	3.7	4
2	Global geologic map of asteroid (101955) Bennu indicates heterogeneous resurfacing in the past 500,000 years. <i>Icarus</i> , 2022, 381, 114992.	1.1	13
3	Crater population on asteroid (101955) Bennu indicates impact armouring and a young surface. <i>Nature Geoscience</i> , 2022, 15, 440-446.	5.4	20
4	Distinguishing the Origin of Asteroid (16) Psyche. <i>Space Science Reviews</i> , 2022, 218, 17.	3.7	13
5	Assessing the Sampleability of Bennu's Surface for the OSIRIS-REx Asteroid Sample Return Mission. <i>Space Science Reviews</i> , 2022, 218, 20.	3.7	12
6	The effects of highly reduced magmatism revealed through aubrites. <i>Meteoritics and Planetary Science</i> , 2022, 57, 1387-1420.	0.7	9
7	Nickel-rich, volatile depleted iron meteorites: Relationships and formation processes. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 333, 1-21.	1.6	2
8	<i>Meteorites</i> , 2021, , 174-184.		0
9	Exogenic basalt on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2021, 5, 31-38.	4.2	57
10	The Allende meteorite: Landmark and cautionary tale. <i>Meteoritics and Planetary Science</i> , 2021, 56, 5-7.	0.7	2
11	Spectral Characterization of Bennu Analogs Using PASCAL: A New Experimental Set-Up for Simulating the Near-Surface Conditions of Airless Bodies. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006624.	1.5	10
12	Particle Size-Frequency Distributions of the OSIRIS-REx Candidate Sample Sites on Asteroid (101955) Bennu. <i>Remote Sensing</i> , 2021, 13, 1315.	1.8	33
13	Evidence for limited compositional and particle size variation on asteroid (101955) Bennu from thermal infrared spectroscopy. <i>Astronomy and Astrophysics</i> , 2021, 650, A120.	2.1	30
14	The Fe/S ratio of pyrrhotite group sulfides in chondrites: An indicator of oxidation and implications for return samples from asteroids Ryugu and Bennu. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 303, 66-91.	1.6	24
15	Advances in Cosmochemistry Enabled by Antarctic Meteorites. <i>Annual Review of Earth and Planetary Sciences</i> , 2020, 48, 233-258.	4.6	5
16	Insights into the formation of silica-rich achondrites from impact melts in Rumuruti-type chondrites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 130-148.	0.7	22
17	Bright carbonate veins on asteroid (101955) Bennu: Implications for aqueous alteration history. <i>Science</i> , 2020, 370, .	6.0	71
18	Global Patterns of Recent Mass Movement on Asteroid (101955) Bennu. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006475.	1.5	60

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19	Sulfide-dominated partial melting pathways in brachinites. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2021-2043.	0.7	7
20	Qarabawi's Camel Charm: Tracing the meteoritic origins of a cultural artifact. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1000-1010.	0.7	2
21	Interpreting the Cratering Histories of Bennu, Ryugu, and Other Spacecraft-explored Asteroids. <i>Astronomical Journal</i> , 2020, 160, 14.	1.9	34
22	Observations, Meteorites, and Models: A Preflight Assessment of the Composition and Formation of (16) Psyche. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2019JE006296.	1.5	61
23	Origin and age of metal veins in Canyon Diablo graphite nodules. <i>Meteoritics and Planetary Science</i> , 2020, 55, 771-780.	0.7	0
24	Outward migration of chondrule fragments in the early Solar System: O-isotopic evidence for rocky material crossing the Jupiter Gap?. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 282, 133-155.	1.6	23
25	Advanced Curation of Astromaterials for Planetary Science. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	50
26	Lewis Cliff 86211 and 86498: Metal-sulfide liquid segregates from a carbonaceous chondrite impact melt. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 253-269.	1.6	1
27	The Milton pallasite and South Byron Trio irons: Evidence for oxidation and core crystallization. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 259, 358-370.	1.6	30
28	Best practices for the use of meteorite names in publications. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1397-1400.	0.7	2
29	Evidence for widespread hydrated minerals on asteroid (101955) Bennu. <i>Nature Astronomy</i> , 2019, 3, 332-340.	4.2	251
30	Craters, boulders and regolith of (101955) Bennu indicative of an old and dynamic surface. <i>Nature Geoscience</i> , 2019, 12, 242-246.	5.4	161
31	Genetics, crystallization sequence, and age of the South Byron Trio iron meteorites: New insights to carbonaceous chondrite (CC) type parent bodies. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 251, 217-228.	1.6	27
32	Reclassification of four aubrites as enstatite chondrite impact melts: Potential geochemical analogs for Mercury. <i>Meteoritics and Planetary Science</i> , 2019, 54, 785-810.	0.7	14
33	Grove Mountains (GRV) 020043: Insights into acapulcoite-lodranite genesis from the most primitive member. <i>Chemie Der Erde</i> , 2019, 79, 125536.	0.8	5
34	Spectral characterization of analog samples in anticipation of OSIRIS-REx's arrival at Bennu: A blind test study. <i>Icarus</i> , 2019, 319, 701-723.	1.1	38
35	Spectral evidence for amorphous silicates in least-processed CO meteorites and their parent bodies. <i>Icarus</i> , 2018, 306, 32-49.	1.1	10
36	The retention of dust in protoplanetary disks: Evidence from agglomeratic olivine chondrules from the outer Solar System. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 223, 405-421.	1.6	32

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37	Acapulcoite-Iodranite meteorites: Ultramafic asteroidal partial melt residues. <i>Chemie Der Erde</i> , 2018, 78, 153-203.	0.8	54
38	Hopewell Meteoritic Metal Beads: Clues to Trade 2,000 Years Ago. <i>Elements</i> , 2018, 14, 360-361.	0.5	1
39	The Geochemical and Mineralogical Diversity of Mercury. , 2018, , 176-190.		21
40	Mercury's Global Evolution. , 2018, , 516-543.		8
41	Experimental insights into Stannern-trend eucrite petrogenesis. <i>Meteoritics and Planetary Science</i> , 2018, 53, 2122-2137.	0.7	4
42	Exploring the Possible Continuum Between Comets and Asteroids. , 2018, , 409-438.		3
43	Igneous lithologies on asteroid (4) Vesta mapped using gamma-ray and neutron data. <i>Icarus</i> , 2017, 286, 35-45.	1.1	11
44	Relict chondrules in primitive achondrites: Remnants from their precursor parent bodies. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 205, 295-312.	1.6	33
45	Differentiation Under Highly Reducing Conditions: New Insights from Enstatite Meteorites and Mercury. , 2017, , 71-91.		5
46	The Anoka, Minnesota iron meteorite as parent to Hopewell meteoritic metal beads from Havana, Illinois. <i>Journal of Archaeological Science</i> , 2017, 81, 13-22.	1.2	9
47	Geochemistry, mineralogy, and petrology of boninitic and komatiitic rocks on the mercurian surface: Insights into the mercurian mantle. <i>Icarus</i> , 2017, 285, 155-168.	1.1	79
48	A Low O/Si Ratio on the Surface of Mercury: Evidence for Silicon Smelting?. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 2053-2076.	1.5	36
49	OSIRIS-REx: Sample Return from Asteroid (101955) Bennu. <i>Space Science Reviews</i> , 2017, 212, 925-984.	3.7	426
50	Partial melting of oxidized planetesimals: An experimental study to test the formation of oligoclase-rich achondrites Graves Nunataks 06128 and 06129. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 214, 73-85.	1.6	18
51	Compositional terranes on Mercury: Information from fast neutrons. <i>Icarus</i> , 2017, 281, 32-45.	1.1	30
52	Evidence from MESSENGER for sulfur- and carbon-driven explosive volcanism on Mercury. <i>Geophysical Research Letters</i> , 2016, 43, 3653-3661.	1.5	57
53	Widespread evidence for high-temperature formation of pentlandite in chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 359-376.	1.6	41
54	Mineralogy, petrology, chronology, and exposure history of the Chelyabinsk meteorite and parent body. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1790-1819.	0.7	48

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55	Using $^{109}\text{Cd}$ meteorites to interpret neutron and gamma-ray data from asteroid 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1311-1337.	0.7	24
56	Constraints on the abundance of carbon in near-surface materials on Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Planetary and Space Science</i> , 2015, 108, 98-107.	0.9	57
57	Chlorine on the surface of Mercury: MESSENGER gamma-ray measurements and implications for the planet's formation and evolution. <i>Icarus</i> , 2015, 257, 417-427.	1.1	66
58	Asteroid (4) Vesta II: Exploring a geologically and geochemically complex world with the Dawn Mission. <i>Chemie Der Erde</i> , 2015, 75, 273-285.	0.8	18
59	Iron and Stony-Iron Meteorites. , 2014, , 267-285.		30
60	2014 Service Award for Roy. S. Clarke. <i>Meteoritics and Planetary Science</i> , 2014, 49, 1984-1985.	0.7	0
61	Reply to comment on "Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals", <i>Earth and Planetary Science Letters</i> , 2014, 385, 218-220.	1.8	2
62	Enhanced sodium abundance in Mercury's north polar region revealed by the MESSENGER Gamma-Ray Spectrometer. <i>Icarus</i> , 2014, 228, 86-95.	1.1	85
63	X-ray absorption characterization of Cr in forsterite within the MacAlpine Hills 88136 EL3 chondritic meteorite. <i>American Mineralogist</i> , 2014, 99, 190-197.	0.9	10
64	Variations in the abundance of iron on Mercury's surface from MESSENGER X-Ray Spectrometer observations. <i>Icarus</i> , 2014, 235, 170-186.	1.1	93
65	A petrologic, thermodynamic and experimental study of brachinites: Partial melt residues of an R chondrite-like precursor. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 36-57.	1.6	43
66	Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals. <i>Earth and Planetary Science Letters</i> , 2013, 374, 156-163.	1.8	43
67	The primary fO <sub>2</sub> of basalts examined by the Spirit rover in Gusev Crater, Mars: Evidence for multiple redox states in the martian interior. <i>Earth and Planetary Science Letters</i> , 2013, 384, 198-208.	1.8	28
68	Distribution of iron on Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2237-2251.	0.7	35
69	Challenges in detecting olivine on the surface of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2155-2165.	0.7	43
70	Compositional variability on the surface of 4 Vesta revealed through $^{56}\text{Co}$ measurements of high-energy gamma rays. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2252-2270.	0.7	53
71	Chondritic models of 4 Vesta: Implications for geochemical and geophysical properties. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2300-2315.	0.7	66
72	Neutron absorption constraints on the composition of 4 Vesta. <i>Meteoritics and Planetary Science</i> , 2013, 48, 2211-2236.	0.7	47

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73	The curious case of Mercury's internal structure. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 1204-1220.	1.5	210
74	Composition of the Rheasilvia basin, a window into Vesta's interior. <i>Journal of Geophysical Research E: Planets</i> , 2013, 118, 335-346.	1.5	84
75	Magnesium-rich crustal compositions on Mercury: Implications for magmatism from petrologic modeling. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	83
76	Elemental Mapping by Dawn Reveals Exogenic H in Vesta's Regolith. <i>Science</i> , 2012, 338, 242-246.	6.0	201
77	Pitted Terrain on Vesta and Implications for the Presence of Volatiles. <i>Science</i> , 2012, 338, 246-249.	6.0	91
78	The Tafassasset primitive achondrite: Insights into initial stages of planetary differentiation. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 85, 142-159.	1.6	42
79	Variations in the abundances of potassium and thorium on the surface of Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	85
80	Chemical heterogeneity on Mercury's surface revealed by the MESSENGER X-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	144
81	Major-element abundances on the surface of Mercury: Results from the MESSENGER Gamma-Ray Spectrometer. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	146
82	Dawn at Vesta: Testing the Protoplanetary Paradigm. <i>Science</i> , 2012, 336, 684-686.	6.0	422
83	Color and Albedo Heterogeneity of Vesta from Dawn. <i>Science</i> , 2012, 336, 700-704.	6.0	166
84	The Old Woman, California, IIAB iron meteorite. <i>Meteoritics and Planetary Science</i> , 2012, 47, 929-946.	0.7	2
85	Hollows on Mercury: MESSENGER Evidence for Geologically Recent Volatile-Related Activity. <i>Science</i> , 2011, 333, 1856-1859.	6.0	136
86	Evidence for mechanical and chemical alteration of iron-nickel meteorites on Mars: Process insights for Meridiani Planum. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	28
87	The Major-Element Composition of Mercury's Surface from MESSENGER X-ray Spectrometry. <i>Science</i> , 2011, 333, 1847-1850.	6.0	386
88	Radioactive Elements on Mercury's Surface from MESSENGER: Implications for the Planet's Formation and Evolution. <i>Science</i> , 2011, 333, 1850-1852.	6.0	233
89	Group IVA irons: New constraints on the crystallization and cooling history of an asteroidal core with a complex history. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6821-6843.	1.6	76
90	Bounce Rock - A shergottite-like basalt encountered at Meridiani Planum, Mars. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1-20.	0.7	32

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91	Thermal and impact histories of reheated group IVA, IVB, and ungrouped iron meteorites and their parent asteroids. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1227-1252.	0.7	31
92	A composite Fe,Ni-FeS and enstatite-forsterite-diopside-glass vitrophyre clast in the Larkman Nunatak 04316 aubrite: Origin by pyroclastic volcanism. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1719-1741.	0.7	17
93	Cosmogenic radionuclides in L5 and LL5 chondrites from Queen Alexandra Range, Antarctica: Identification of a large L/LL5 chondrite shower with a preatmospheric mass of approximately 50,000 kg. <i>Meteoritics and Planetary Science</i> , 2011, 46, 177-196.	0.7	26
94	Analysis of MESSENGER Gamma-Ray Spectrometer data from the Mercury flybys. <i>Planetary and Space Science</i> , 2011, 59, 1829-1841.	0.9	18
95	HED Meteorites and Their Relationship to the Geology of Vesta and the Dawn Mission. <i>Space Science Reviews</i> , 2011, 163, 141-174.	3.7	192
96	The origin of Vesta's crust: Insights from spectroscopy of the Vestoids. <i>Icarus</i> , 2011, 214, 147-160.	1.1	29
97	Combining meteorites and missions to explore Mars. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19159-19164.	3.3	23
98	Mineralogical Evolution of Meteorites. <i>Elements</i> , 2010, 6, 19-23.	0.5	15
99	A coordinated spectral, mineralogical, and compositional study of ordinary chondrites. <i>Icarus</i> , 2010, 208, 789-797.	1.1	91
100	Identification and measurement of neutron-absorbing elements on Mercury's surface. <i>Icarus</i> , 2010, 209, 195-209.	1.1	52
101	Pyroclast loss or retention during explosive volcanism on asteroids: Influence of asteroid size and gas content of melt. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1284-1301.	0.7	17
102	The evolution of a heterogeneous Martian mantle: Clues from K, P, Ti, Cr, and Ni variations in Gusev basalts and shergottite meteorites. <i>Earth and Planetary Science Letters</i> , 2010, 296, 67-77.	1.8	27
103	Analysis of ordinary chondrites using powder X-ray diffraction: 1. Modal mineral abundances. <i>Meteoritics and Planetary Science</i> , 2010, 45, 123.	0.7	69
104	Analysis of ordinary chondrites using powder X-ray diffraction: 2. Applications to ordinary chondrite parent-body processes. <i>Meteoritics and Planetary Science</i> , 2010, 45, 135.	0.7	26
105	Petrologic insights from the spectra of the unbrecciated eucrites: Implications for Vesta and basaltic asteroids. <i>Meteoritics and Planetary Science</i> , 2010, 45, 1074-1092.	0.7	31
106	HED Meteorites and Their Relationship to the Geology of Vesta and the Dawn Mission. , 2010, , 141-174.		8
107	Exploration of Victoria Crater by the Mars Rover Opportunity. <i>Science</i> , 2009, 324, 1058-1061.	6.0	141
108	Spectral, mineralogical, and geochemical variations across Home Plate, Gusev Crater, Mars indicate high and low temperature alteration. <i>Earth and Planetary Science Letters</i> , 2009, 281, 258-266.	1.8	48

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109	Petrology of the unbrecciated eucrites. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 794-819.	1.6	129
110	The iron–nickel–phosphorus system: Effects on the distribution of trace elements during the evolution of iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 2674-2691.	1.6	35
111	The Evolution of Mercury’s Crust: A Global Perspective from MESSENGER. <i>Science</i> , 2009, 324, 613-618.	6.0	194
112	Mineralogy of volcanic rocks in Gusev Crater, Mars: Reconciling Mössbauer, Alpha Particle X-Ray Spectrometer, and Miniature Thermal Emission Spectrometer spectra. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	96
113	Meteorites on Mars observed with the Mars Exploration Rovers. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	75
114	Overview of Mars surface geochemical diversity through Alpha Particle X-Ray Spectrometer data multidimensional analysis: First attempt at modeling rock alteration. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	25
115	Hydrothermal origin of halogens at Home Plate, Gusev Crater. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	71
116	Structure, stratigraphy, and origin of Husband Hill, Columbia Hills, Gusev Crater, Mars. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	44
117	Modeling fractional crystallization of group IVB iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2198-2216.	1.6	136
118	The formation and chronology of the PAT 91501 impact-melt L chondrite with vesicle–metal–sulfide assemblages. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2417-2428.	1.6	38
119	Spirit Mars Rover Mission to the Columbia Hills, Gusev Crater: Mission overview and selected results from the Cumberland Ridge to Home Plate. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	99
120	Geochemical properties of rocks and soils in Gusev Crater, Mars: Results of the Alpha Particle X-Ray Spectrometer from Cumberland Ridge to Home Plate. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	162
121	Iron mineralogy and aqueous alteration from Husband Hill through Home Plate at Gusev Crater, Mars: Results from the Mössbauer instrument on the Spirit Mars Exploration Rover. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	162
122	Partial melting of H6 ordinary chondrite Kernouvé: Constraints on the effects of reducing conditions on oxidized compositions. <i>Meteoritics and Planetary Science</i> , 2008, 43, 1399-1414.	0.7	15
123	Mineral evolution. <i>American Mineralogist</i> , 2008, 93, 1693-1720.	0.9	569
124	Reflectance and Color Variations on Mercury: Regolith Processes and Compositional Heterogeneity. <i>Science</i> , 2008, 321, 66-69.	6.0	167
125	Detection of Silica-Rich Deposits on Mars. <i>Science</i> , 2008, 320, 1063-1067.	6.0	399
126	Ancient Asteroids Enriched in Refractory Inclusions. <i>Science</i> , 2008, 320, 514-517.	6.0	71



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127	Spectroscopic Observations of Mercury's Surface Reflectance During MESSENGER's First Mercury Flyby. <i>Science</i> , 2008, 321, 62-65.	6.0	94
128	Olivine-dominated asteroids and meteorites: Distinguishing nebular and igneous histories. <i>Meteoritics and Planetary Science</i> , 2007, 42, 155-170.	0.7	76
129	The effect of Ni on element partitioning during iron meteorite crystallization. <i>Meteoritics and Planetary Science</i> , 2007, 42, 1735-1750.	0.7	26
130	Oxide-bearing and Fe-rich clasts in aubrites. <i>Meteoritics and Planetary Science</i> , 2006, 41, 495-503.	0.7	9
131	Spectral properties of angrites. <i>Meteoritics and Planetary Science</i> , 2006, 41, 1139-1145.	0.7	26
132	Asteroid 3628 Bozhenko: Covered with angrite-like basalts?. <i>Meteoritics and Planetary Science</i> , 2006, 41, 1147-1161.	0.7	11
133	Alkaline volcanic rocks from the Columbia Hills, Gusev crater, Mars. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	148
134	Formation of vesicles in asteroidal basaltic meteorites. <i>Earth and Planetary Science Letters</i> , 2006, 246, 102-108.	1.8	41
135	Graves Nunataks 95209: A snapshot of metal segregation and core formation. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 516-531.	1.6	43
136	Nickel on Mars: Constraints on meteoritic material at the surface. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	65
137	Minor element evidence that Asteroid 433 Eros is a space-weathered ordinary chondrite parent body. <i>Icarus</i> , 2006, 184, 338-343.	1.1	44
138	Asteroid Differentiation. , 2006, , 733-746.		51
139	Systematics and Evaluation of Meteorite Classification. , 2006, , 19-52.		335
140	Shock melts in QUE 94411, Hammadah al Hamra 237, and Bencubbin: Remains of the missing matrix?. <i>Meteoritics and Planetary Science</i> , 2005, 40, 1377-1391.	0.7	27
141	Thermodynamic constraints on the formation conditions of winonaites and silicate-bearing IAB irons. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5123-5131.	1.6	61
142	Oxygen isotopic compositions of IVA iron meteorites: implications for the thermal evolution derived from in situ ultraviolet laser microprobe analyses. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1159-1171.	1.6	20
143	High-calcium pyroxene as an indicator of igneous differentiation in asteroids and meteorites. <i>Meteoritics and Planetary Science</i> , 2004, 39, 1343-1357.	0.7	96
144	The Meteoritical Bulletin, No. 87, 2003 July. <i>Meteoritics and Planetary Science</i> , 2003, 38, A189.	0.7	88

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145	The Near Earth Asteroid Rendezvous Mission to Asteroid 433 Eros: A Milestone in the Study of Asteroids and their Relationship to Meteorites. <i>Chemie Der Erde</i> , 2002, 62, 89-121.	0.8	17
146	Spectra of extremely reduced assemblages: Implications for Mercury. <i>Meteoritics and Planetary Science</i> , 2002, 37, 1233-1244.	0.7	108
147	Meteoritic Parent Bodies: , 2002, , 653-668.		124
148	The NEAR-Shoemaker X-ray/gamma-ray spectrometer experiment: Overview and lessons learned. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1605-1616.	0.7	19
149	Elemental composition from gamma-ray spectroscopy of the NEAR-Shoemaker landing site on 433 Eros. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1639-1660.	0.7	58
150	The composition of 433 Eros: A mineralogical-chemical synthesis. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1661-1672.	0.7	93
151	X-ray fluorescence measurements of the surface elemental composition of asteroid 433 Eros. <i>Meteoritics and Planetary Science</i> , 2001, 36, 1673-1695.	0.7	110
152	Vesta, Vestoids, and the howardite, eucrite, diogenite group: Relationships and the origin of spectral differences. <i>Meteoritics and Planetary Science</i> , 2001, 36, 761-781.	0.7	173
153	Anatomy of a Partially Differentiated Asteroid: A NEAR-Sighted View of Acapulcoites and Lodranites. <i>Icarus</i> , 2000, 148, 29-36.	1.1	27
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