

# Mahesh Anand

## List of Publications by Year in descending order

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143  
papers

6,627  
citations

41258

49  
h-index

74018

75  
g-index

147  
all docs

147  
docs citations

147  
times ranked

3972  
citing authors

#	ARTICLE	IF	CITATIONS
1	Eucrite-type achondrites: Petrology and oxygen isotope compositions. <i>Meteoritics and Planetary Science</i> , 2022, 57, 484-526.	0.7	9
2	Ancient and recent collisions revealed by phosphate minerals in the Chelyabinsk meteorite. <i>Communications Earth &amp; Environment</i> , 2022, 3, .	2.6	2
3	Isotopic evidence for pallasite formation by impact mixing of olivine and metal during the first 10 million years of the Solar System. , 2022, 1, .		8
4	Magmatic chlorine isotope fractionation recorded in apatite from Chang'e-5 basalts. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117636.	1.8	14
5	The shocking state of apatite and merrillite in shergottite Northwest Africa 5298 and extreme nanoscale chlorine isotope variability revealed by atom probe tomography. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 293, 422-437.	1.6	13
6	A deuterium-poor water reservoir in the asteroid 4 Vesta and the inner solar system. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 297, 203-219.	1.6	19
7	The lunar Dhofar 1436 meteorite: $^{40}\text{Ar}$ - $^{39}\text{Ar}$ chronology and volatiles, revealed by stepwise combustion and crushing methods. <i>Meteoritics and Planetary Science</i> , 2021, 56, 455-481.	0.7	3
8	Microtextures in the Chelyabinsk impact breccia reveal the history of Phosphorus-Olivine Assemblages in chondrites. <i>Meteoritics and Planetary Science</i> , 2021, 56, 742-766.	0.7	5
9	Lunar meteorite Northwest Africa 11962: A regolith breccia containing records of titanium-rich lunar volcanism and the high alkali suite. <i>Meteoritics and Planetary Science</i> , 2021, 56, 971-991.	0.7	3
10	Lunar samples record an impact 4.2 billion years ago that may have formed the Serenitatis Basin. <i>Communications Earth &amp; Environment</i> , 2021, 2, .	2.6	9
11	Exploring relationships between shock-induced microstructures and H <sub>2</sub> O and Cl in apatite grains from eucrite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 302, 120-140.	1.6	7
12	The Ca isotope composition of mare basalts as a probe into the heterogeneous lunar mantle. <i>Earth and Planetary Science Letters</i> , 2021, 570, 117079.	1.8	11
13	Hydrogen reduction of lunar samples in a static system for a water production demonstration on the Moon. <i>Planetary and Space Science</i> , 2021, 205, 105287.	0.9	13
14	Investigating the microwave heating behaviour of lunar soil simulant JSC-1A at different input powers. <i>Scientific Reports</i> , 2021, 11, 2133.	1.6	21
15	A dry lunar mantle reservoir for young mare basalts of Chang'e-5. <i>Nature</i> , 2021, 600, 49-53.	13.7	91
16	Challenges in the microwave heating of lunar regolith – analysis through the design of a Microwave Heating Demonstrator (MHD) payload. <i>Advances in Space Research</i> , 2021, 69, 751-751.	1.2	4
17	Hydrogen reduction of ilmenite: Towards an in situ resource utilization demonstration on the surface of the Moon. <i>Planetary and Space Science</i> , 2020, 180, 104751.	0.9	17
18	Regions of interest (ROI) for future exploration missions to the lunar South Pole. <i>Planetary and Space Science</i> , 2020, 180, 104750.	0.9	44

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19	Feasibility studies for hydrogen reduction of ilmenite in a static system for use as an ISRU demonstration on the lunar surface. <i>Planetary and Space Science</i> , 2020, 180, 104759.	0.9	12
20	Standardizing the reporting of $\delta^{17}\text{O}$ data from high precision oxygen triple-isotope ratio measurements of silicate rocks and minerals. <i>Chemical Geology</i> , 2020, 532, 119332.	1.4	33
21	A quantitative evolved gas analysis for extra-terrestrial samples. <i>Planetary and Space Science</i> , 2020, 181, 104830.	0.9	9
22	Signatures of the post-hydration heating of highly aqueously altered CM carbonaceous chondrites and implications for interpreting asteroid sample returns. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 289, 69-92.	1.6	15
23	Deuterium and $^{37}\text{Cl}$ Rich Fluids on the Surface of Mars: Evidence From the Enriched Basaltic Shergottite Northwest Africa 8657. <i>Journal of Geophysical Research E: Planets</i> , 2020, 125, e2020JE006537.	1.5	6
24	Editorial to the Topical Collection: Role of Sample Return in Addressing Major Questions in Planetary Sciences. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	6
25	The BepiColombo Mercury Imaging X-Ray Spectrometer: Science Goals, Instrument Performance and Operations. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	36
26	What is the Oxygen Isotope Composition of Venus? The Scientific Case for Sample Return from Earth's "Sister Planet". <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	9
27	Evidence of extensive lunar crust formation in impact melt sheets 4,330 Myr ago. <i>Nature Astronomy</i> , 2020, 4, 974-978.	4.2	25
28	Exploring the Bimodal Solar System via Sample Return from the Main Asteroid Belt: The Case for Revisiting Ceres. <i>Space Science Reviews</i> , 2020, 216, 59.	3.7	6
29	Multiple early-formed water reservoirs in the interior of Mars. <i>Nature Geoscience</i> , 2020, 13, 260-264.	5.4	43
30	The hydrogen isotopic composition of lunar melt inclusions: An interplay of complex magmatic and secondary processes. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 284, 196-221.	1.6	10
31	Linking asteroids and meteorites to the primordial planetesimal population. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 377-406.	1.6	93
32	Preservation of primordial signatures of water in highly-shocked ancient lunar rocks. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116364.	1.8	12
33	Oxygen Isotopes and Sampling of the Solar System. <i>Space Science Reviews</i> , 2020, 216, 1.	3.7	22
34	The chlorine isotopic composition of the Moon: Insights from melt inclusions. <i>Earth and Planetary Science Letters</i> , 2019, 523, 115715.	1.8	24
35	The timing of basaltic volcanism at the Apollo landing sites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 29-53.	1.6	40
36	A detailed mineralogical, petrographic, and geochemical study of the highly reduced chondrite, Acfer 370. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2996-3017.	0.7	5

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37	An ancient reservoir of volatiles in the Moon sampled by lunar meteorite Northwest Africa 10989. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 163-183.	1.6	12
38	Numerical modelling of the microwave heating behaviour of lunar regolith. <i>Planetary and Space Science</i> , 2019, 179, 104723.	0.9	15
39	H and Cl isotope characteristics of indigenous and late hydrothermal fluids on the differentiated asteroidal parent body of Grave Nunataks 06128. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 529-543.	1.6	14
40	Investigating magmatic processes in the early Solar System using the Cl isotopic systematics of eucrites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 582-597.	1.6	17
41	The potential science and engineering value of samples delivered to Earth by Mars sample return. <i>Meteoritics and Planetary Science</i> , 2019, 54, S3.	0.7	73
42	Shock-induced microtextures in lunar apatite and merrillite. <i>Meteoritics and Planetary Science</i> , 2019, 54, 1262-1282.	0.7	21
43	Constraining the Evolutionary History of the Moon and the Inner Solar System: A Case for New Returned Lunar Samples. <i>Space Science Reviews</i> , 2019, 215, 1.	3.7	41
44	Multiple reservoirs of volatiles in the Moon revealed by the isotopic composition of chlorine in lunar basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 144-162.	1.6	41
45	Petrology and oxygen isotopic composition of large igneous inclusions in ordinary chondrites: Early solar system igneous processes and oxygen reservoirs. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 497-528.	1.6	13
46	Chlorine isotopic compositions of apatite in Apollo 14 rocks: Evidence for widespread vapor-phase metasomatism on the lunar nearside 4.4 billion years ago. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 230, 46-59.	1.6	39
47	Oxygen isotopic evidence for accretion of Earth's water before a high-energy Moon-forming giant impact. <i>Science Advances</i> , 2018, 4, eaao5928.	4.7	77
48	Ancient volcanism on the Moon: Insights from Pb isotopes in the MIL 13317 and Kalahari 009 lunar meteorites. <i>Earth and Planetary Science Letters</i> , 2018, 502, 84-95.	1.8	34
49	High pressure minerals in the Chacabuco-Renard (L6) ordinary chondrite: implications for collisions on its parent body. <i>Scientific Reports</i> , 2018, 8, 9851.	1.6	39
50	Melting and differentiation of early-formed asteroids: The perspective from high precision oxygen isotope studies. <i>Chemie Der Erde</i> , 2017, 77, 1-43.	0.8	132
51	Late movement of basin-edge lobate scarps on Mercury. <i>Icarus</i> , 2017, 288, 226-234.	1.1	16
52	The mineralogy, petrology, and composition of anomalous eucrite Emmaville. <i>Meteoritics and Planetary Science</i> , 2017, 52, 656-668.	0.7	10
53	Origin and Evolution of Water in the Moon's Interior. <i>Annual Review of Earth and Planetary Sciences</i> , 2017, 45, 89-111.	4.6	29
54	Carbon isotopic variation in ureilites: Evidence for an early, volatile-rich Inner Solar System. <i>Earth and Planetary Science Letters</i> , 2017, 478, 143-149.	1.8	22

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55	Extra-terrestrial construction processes –“ Advancements, opportunities and challenges. <i>Advances in Space Research</i> , 2017, 60, 1413-1429.	1.2	61
56	Early degassing of lunar urKREEP by crust-breaching impact(s). <i>Earth and Planetary Science Letters</i> , 2016, 447, 84-94.	1.8	78
57	Characterization of mesostasis regions in lunar basalts: Understanding late-stage melt evolution and its influence on apatite formation. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1555-1575.	0.7	17
58	On the iron isotope composition of Mars and volatile depletion in the terrestrial planets. <i>Earth and Planetary Science Letters</i> , 2016, 449, 360-371.	1.8	39
59	The abundance and isotopic composition of water in eucrites. <i>Meteoritics and Planetary Science</i> , 2016, 51, 1110-1124.	0.7	37
60	Lunar basalt chronology, mantle differentiation and implications for determining the age of the Moon. <i>Earth and Planetary Science Letters</i> , 2016, 451, 149-158.	1.8	60
61	Predominantly non-solar origin of nitrogen in lunar soils. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 193, 36-53.	1.6	16
62	Microwave processing of lunar soil for supporting longer-term surface exploration on the Moon. <i>Space Policy</i> , 2016, 37, 92-96.	0.8	35
63	Mass dependent fractionation of stable chromium isotopes in mare basalts: Implications for the formation and the differentiation of the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 175, 208-221.	1.6	56
64	An asteroidal origin for water in the Moon. <i>Nature Communications</i> , 2016, 7, 11684.	5.8	68
65	Geologic history of Martian regolith breccia Northwest Africa 7034: Evidence for hydrothermal activity and lithologic diversity in the Martian crust. <i>Journal of Geophysical Research E: Planets</i> , 2016, 121, 2120-2149.	1.5	65
66	Investigating the History of Magmatic Volatiles in the Moon Using NanoSIMS. <i>Microscopy and Microanalysis</i> , 2016, 22, 1804-1805.	0.2	1
67	Water in evolved lunar rocks: Evidence for multiple reservoirs. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 188, 244-260.	1.6	45
68	Oxygen isotope and petrological study of silicate inclusions in IIE iron meteorites and their relationship with H chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 173, 97-113.	1.6	28
69	Combined investigation of H isotopic compositions and U-Pb chronology of young Martian meteorite Larkman Nunatak 06319. <i>Geochemical Journal</i> , 2016, 50, 363-377.	0.5	9
70	Explosive volcanism in complex impact craters on Mercury and the Moon: Influence of tectonic regime on depth of magmatic intrusion. <i>Earth and Planetary Science Letters</i> , 2015, 431, 164-172.	1.8	26
71	Petrology of igneous clasts in Northwest Africa 7034: Implications for the petrologic diversity of the martian crust. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 157, 56-85.	1.6	105
72	Simultaneous analysis of abundance and isotopic composition of nitrogen, carbon, and noble gases in lunar basalts: Insights into interior and surface processes on the Moon. <i>Icarus</i> , 2015, 255, 3-17.	1.1	29

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73	A cone on Mercury: Analysis of a residual central peak encircled by an explosive volcanic vent. <i>Planetary and Space Science</i> , 2015, 108, 108-116.	0.9	8
74	Comment on "The triple oxygen isotope composition of the Earth mantle and understanding $\delta^{17}O$ variations in terrestrial rocks and minerals" by Pack and Herwartz [ <i>Earth Planet. Sci. Lett.</i> 390 (2014) 138-145]. <i>Earth and Planetary Science Letters</i> , 2015, 418, 181-183.	1.8	11
75	Geochemistry and oxygen isotope composition of main-group pallasites and olivine-rich clasts in mesosiderites: Implications for the "Great Dunité Shortage" and HED-mesosiderite connection. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 115-136.	1.6	48
76	Experimental investigation of F, Cl, and OH partitioning between apatite and Fe-rich basaltic melt at 1.0-1.2 GPa and 950-1000 °C. <i>American Mineralogist</i> , 2015, 100, 1790-1802.	0.9	112
77	Magmatic volatiles (H, C, N, F, S, Cl) in the lunar mantle, crust, and regolith: Abundances, distributions, processes, and reservoirs. <i>American Mineralogist</i> , 2015, 100, 1668-1707.	0.9	160
78	Mechanisms of explosive volcanism on Mercury: Implications from its global distribution and morphology. <i>Journal of Geophysical Research E: Planets</i> , 2014, 119, 2239-2254.	1.5	54
79	Lunar Exploration. , 2014, , 555-579.		13
80	Understanding the origin and evolution of water in the Moon through lunar sample studies. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20130254.	1.6	35
81	Apatites in lunar KREEP basalts: The missing link to understanding the H isotope systematics of the Moon. <i>Geology</i> , 2014, 42, 363-366.	2.0	98
82	Analyzing Moon Rocks. <i>Science</i> , 2014, 344, 365-366.	6.0	5
83	H and Cl isotope systematics of apatite in brecciated lunar meteorites Northwest Africa 4472, Northwest Africa 773, Sayh al Uhaymir 169, and Kalahari 009. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2266-2289.	0.7	62
84	Trace-element modelling of mare basalt parental melts: Implications for a heterogeneous lunar mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 134, 289-316.	1.6	61
85	A water-ice rich minor body from the early Solar System: The CR chondrite parent asteroid. <i>Earth and Planetary Science Letters</i> , 2014, 407, 48-60.	1.8	50
86	The origin of water in the primitive Moon as revealed by the lunar highlands samples. <i>Earth and Planetary Science Letters</i> , 2014, 390, 244-252.	1.8	118
87	Corrigendum to "Late delivery of chondritic hydrogen into the lunar mantle: Insights from mare basalts" [ <i>Earth Planet. Sci. Lett.</i> 361 (2013) 480-486]. <i>Earth and Planetary Science Letters</i> , 2014, 389, 105.	1.8	1
88	The oxygen isotope composition of diogenites: Evidence for early global melting on a single, compositionally diverse, HED parent body. <i>Earth and Planetary Science Letters</i> , 2014, 390, 165-174.	1.8	50
89	Dust from collisions: A way to probe the composition of exo-planets?. <i>Icarus</i> , 2014, 239, 1-14.	1.1	15
90	Hollows on Mercury: Materials and mechanisms involved in their formation. <i>Icarus</i> , 2014, 229, 221-235.	1.1	66

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91	Long-lived explosive volcanism on Mercury. <i>Geophysical Research Letters</i> , 2014, 41, 6084-6092.	1.5	74
92	NanoSIMS Pb/Pb dating of tranquillityite in high-Ti lunar basalts: Implications for the chronology of high-Ti volcanism on the Moon. <i>American Mineralogist</i> , 2013, 98, 1477-1486.	0.9	9
93	Late delivery of chondritic hydrogen into the lunar mantle: Insights from mare basalts. <i>Earth and Planetary Science Letters</i> , 2013, 361, 480-486.	1.8	67
94	Silicon isotope variations in the inner solar system: Implications for planetary formation, differentiation and composition. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 121, 67-83.	1.6	80
95	Accurate and precise measurements of the D/H ratio and hydroxyl content in lunar apatites using NanoSIMS. <i>Chemical Geology</i> , 2013, 337-338, 48-55.	1.4	90
96	The abundance, distribution, and isotopic composition of Hydrogen in the Moon as revealed by basaltic lunar samples: Implications for the volatile inventory of the Moon. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 122, 58-74.	1.6	127
97	Quantifying noble gas contamination during terrestrial alteration in Martian meteorites from Antarctica. <i>Meteoritics and Planetary Science</i> , 2013, 48, 929-954.	0.7	9
98	Stable isotope analysis of carbon and nitrogen in angrites. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1590-1606.	0.7	12
99	Back to the Moon: The scientific rationale for resuming lunar surface exploration. <i>Planetary and Space Science</i> , 2012, 74, 3-14.	0.9	119
100	A brief review of chemical and mineralogical resources on the Moon and likely initial in situ resource utilization (ISRU) applications. <i>Planetary and Space Science</i> , 2012, 74, 42-48.	0.9	200
101	Geology, geochemistry, and geophysics of the Moon: Status of current understanding. <i>Planetary and Space Science</i> , 2012, 74, 15-41.	0.9	104
102	Performance of new generation swept charge devices for lunar x-ray spectroscopy on Chandrayaan-2. , 2012, , .		3
103	Late Accretion on the Earliest Planetesimals Revealed by the Highly Siderophile Elements. <i>Science</i> , 2012, 336, 72-75.	6.0	95
104	Lunar Net—a proposal in response to an ESA M3 call in 2010 for a medium sized mission. <i>Experimental Astronomy</i> , 2012, 33, 587-644.	1.6	15
105	Maribo—a new CM fall from Denmark. <i>Meteoritics and Planetary Science</i> , 2012, 47, 30-50.	0.7	71
106	Mid-infrared spectra of differentiated meteorites (achondrites): Comparison with astronomical observations of dust in protoplanetary and debris disks. <i>Icarus</i> , 2012, 219, 48-56.	1.1	10
107	The Chandrayaan-1 X-ray Spectrometer: First results. <i>Planetary and Space Science</i> , 2012, 60, 217-228.	0.9	28
108	New Ar—Ar ages of southern Indian kimberlites and a lamproite and their geochemical evolution. <i>Precambrian Research</i> , 2011, 189, 91-103.	1.2	37

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109	Thermal history of Northwest Africa 5073 "A coarse-grained Stannern trend eucrite containing cm-sized pyroxenes and large zircon grains. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1754-1773.	0.7	38
110	Carbonate xenoliths hosted by the Mesoproterozoic Siddanpalli Kimberlite Cluster (Eastern Dharwar) Tj ETQq0 0 0 rgBT /Overlock 10 Tf metallogenesis. <i>International Journal of Earth Sciences</i> , 2010, 99, 1791-1804.	0.9	34
111	Lunar Water: A Brief Review. <i>Earth, Moon and Planets</i> , 2010, 107, 65-73.	0.3	70
112	Mercury's surface and composition to be studied by BepiColombo. <i>Planetary and Space Science</i> , 2010, 58, 21-39.	0.9	31
113	The mercury imaging X-ray spectrometer (MIXS) on bepicolombo. <i>Planetary and Space Science</i> , 2010, 58, 79-95.	0.9	127
114	The oxygen isotope composition, petrology and geochemistry of mare basalts: Evidence for large-scale compositional variation in the lunar mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6885-6899.	1.6	80
115	The scientific rationale for the C1XS X-ray spectrometer on India's Chandrayaan-1 mission to the moon. <i>Planetary and Space Science</i> , 2009, 57, 725-734.	0.9	30
116	The C1XS X-ray Spectrometer on Chandrayaan-1. <i>Planetary and Space Science</i> , 2009, 57, 717-724.	0.9	54
117	Oxygen isotopic constraints on the origin and parent bodies of eucrites, diogenites, and howardites. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5835-5853.	1.6	148
118	An Anomalous Basaltic Meteorite from the Innermost Main Belt. <i>Science</i> , 2009, 325, 1525-1527.	6.0	86
119	The Puerto Lpice eucrite. <i>Meteoritics and Planetary Science</i> , 2009, 44, 159-174.	0.7	25
120	Laboratory experiments on the weathering of iron meteorites and carbonaceous chondrites by iron-oxidizing bacteria. <i>Meteoritics and Planetary Science</i> , 2009, 44, 233-247.	0.7	35
121	Exploring the Moon: a UK perspective. <i>Astronomy and Geophysics</i> , 2008, 49, 1.09-1.12.	0.1	0
122	Uranium-lead systematics of low-Ti basaltic meteorite Dhofar 287A: Affinity to Apollo 15 green glasses. <i>Earth and Planetary Science Letters</i> , 2008, 270, 119-124.	1.8	17
123	The petrology and geochemistry of Miller Range 05035: A new lunar gabbroic meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3822-3844.	1.6	58
124	Uranium-lead systematics of phosphates in lunar basaltic regolith breccia, Meteorite Hills 01210. <i>Earth and Planetary Science Letters</i> , 2007, 259, 77-84.	1.8	26
125	Discriminating bacterial from electrochemical corrosion using Fe isotopes. <i>Corrosion Science</i> , 2007, 49, 3759-3764.	3.0	2
126	Cryptomare magmatism 4.35% Gyr ago recorded in lunar meteorite Kalahari 009. <i>Nature</i> , 2007, 450, 849-852.	13.7	104



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127	Petrology and geochemistry of LaPaz Icefield 02205: A new unique low-Ti mare-basalt meteorite. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 246-264.	1.6	74
128	Evolved mare basalt magmatism, high Mg/Fe feldspathic crust, chondritic impactors, and the petrogenesis of Antarctic lunar breccia meteorites Meteorite Hills 01210 and Pecora Escarpment 02007. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 5957-5989.	1.6	58
129	Searching for signatures of life on Mars: an Fe-isotope perspective. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2006, 361, 1715-1720.	1.8	25
130	Widespread magma oceans on asteroidal bodies in the early Solar System. <i>Nature</i> , 2005, 435, 916-918.	13.7	278
131	Pinpointing the Source of a Lunar Meteorite: Implications for the Evolution of the Moon. <i>Science</i> , 2004, 305, 657-659.	6.0	140
132	Space weathering on airless planetary bodies: Clues from the lunar mineral hapkeite. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004, 101, 6847-6851.	3.3	102
133	Nature of diamonds in Yakutian eclogites: views from eclogite tomography and mineral inclusions in diamonds. <i>Lithos</i> , 2004, 77, 333-348.	0.6	67
134	Multiple-mineral inclusions in diamonds from the Snap Lake/King Lake kimberlite dike, Slave craton, Canada: a trace-element perspective. <i>Lithos</i> , 2004, 77, 69-81.	0.6	32
135	Multi-stage metasomatism of diamondiferous eclogite xenoliths from the Udachnaya kimberlite pipe, Yakutia, Siberia. <i>Contributions To Mineralogy and Petrology</i> , 2004, 146, 696-714.	1.2	83
136	Diamonds: time capsules from the Siberian Mantle. <i>Chemie Der Erde</i> , 2004, 64, 1-74.	0.8	129
137	Petrogenesis of lunar highlands meteorites: Dhofar 025, Dhofar 081, Dar al Gani 262, and Dar al Gani 400. <i>Meteoritics and Planetary Science</i> , 2004, 39, 503-529.	0.7	52
138	Petrogenesis of group?A eclogites and websterites: evidence from the Obnazhennaya kimberlite, Yakutia. <i>Contributions To Mineralogy and Petrology</i> , 2003, 145, 424-443.	1.2	84
139	KREEPy lunar meteorite Dhofar 287A: A new lunar mare basalt. <i>Meteoritics and Planetary Science</i> , 2003, 38, 485-499.	0.7	44
140	Lunar regolith breccia Dhofar 287B: A record of lunar volcanism. <i>Meteoritics and Planetary Science</i> , 2003, 38, 501-514.	0.7	15
141	Petrogenesis of lunar meteorite EET 96008. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 3499-3518.	1.6	50
142	Early Proterozoic Melt Generation Processes beneath the Intra-cratonic Cuddapah Basin, Southern India. <i>Journal of Petrology</i> , 2003, 44, 2139-2171.	1.1	149
143	The significance of mineral inclusions in large diamonds from Yakutia, Russia. <i>American Mineralogist</i> , 2003, 88, 912-920.	0.9	41