

J-A Barrat

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136
papers

5,237
citations

45
h-index

66
g-index

143
ext. papers

5,939
ext. citations

5.9
avg, IF

5.37
L-index

#	Paper	IF	Citations
136	Geochemistry of CI chondrites: Major and trace elements, and Cu and Zn Isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 83, 79-92	5.5	225
135	DETERMINATION OF RARE EARTH ELEMENTS IN SIXTEEN SILICATE REFERENCE SAMPLES BY ICP-MS AFTER Tm ADDITION AND ION EXCHANGE SEPARATION. <i>Geostandards and Geoanalytical Research</i> , 1996 , 20, 133-139	3.6	173
134	Rare earth elements and neodymium isotopes in world river sediments revisited. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 170, 17-38	5.5	159
133	The Paris meteorite, the least altered CM chondrite so far. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 124, 190-222	5.5	135
132	The Stannern trend eucrites: Contamination of main group eucritic magmas by crustal partial melts. <i>Geochimica Et Cosmochimica Acta</i> , 2007 , 71, 4108-4124	5.5	109
131	Rare earth element contents of Jurassic fish and reptile teeth and their potential relation to seawater composition (Anglo-Paris Basin, France and England). <i>Chemical Geology</i> , 2002 , 186, 1-16	4.2	102
130	The differentiation of eucrites: The role of in situ crystallization. <i>Meteoritics and Planetary Science</i> , 2000 , 35, 1087-1100	2.8	98
129	Petrology and chemistry of the Picritic Shergottite North West Africa 1068 (NWA 1068). <i>Geochimica Et Cosmochimica Acta</i> , 2002 , 66, 3505-3518	5.5	97
128	Determination of Rare Earth Elements, Sc, Y, Zr, Ba, Hf and Th in Geological Samples by ICP-MS after Tm Addition and Alkaline Fusion. <i>Geostandards and Geoanalytical Research</i> , 2009 , 33, 51-62	3.6	94
127	$\delta^{18}\text{O}$ and REE contents of phosphatic brachiopods: a comparison between modern and lower Paleozoic populations. <i>Geochimica Et Cosmochimica Acta</i> , 1998 , 62, 2429-2436	5.5	94
126	Tissint martian meteorite: a fresh look at the interior, surface, and atmosphere of Mars. <i>Science</i> , 2012 , 338, 785-8	33.3	91
125	Oxygen isotope variation in stony-iron meteorites. <i>Science</i> , 2006 , 313, 1763-5	33.3	88
124	Coupled ^{63}Cu and ^{16}O excesses in chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 143-151	5.5	85
123	The Tatahouine diogenite: Mineralogical and chemical effects of sixty-three years of terrestrial residence. <i>Meteoritics and Planetary Science</i> , 1999 , 34, 91-97	2.8	84
122	Strontium isotopes and rare-earth element geochemistry of hydrothermal carbonate deposits from Lake Tanganyika, East Africa. <i>Geochimica Et Cosmochimica Acta</i> , 2000 , 64, 287-298	5.5	82
121	Geochemistry of diogenites: Still more diversity in their parental melts. <i>Meteoritics and Planetary Science</i> , 2008 , 43, 1759-1775	2.8	81
120	Relative chronology of crust formation on asteroid Vesta: Insights from the geochemistry of diogenites. <i>Geochimica Et Cosmochimica Acta</i> , 2010 , 74, 6218-6231	5.5	78

119	Determination of rare earth elements and other trace elements (Y, Mn, Co, Cr) in seawater using Tm addition and Mg(OH) ₂ -precipitation. <i>Talanta</i> , 2011 , 85, 582-7	6.2	75
118	The structure of the asteroid 4 Vesta as revealed by models of planet-scale collisions. <i>Nature</i> , 2013 , 494, 207-10	50.4	73
117	Crustal partial melting on Vesta: Evidence from highly metamorphosed eucrites. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 7162-7182	5.5	73
116	Oman diopsidites: a new lithology diagnostic of very high temperature hydrothermal circulation in mantle peridotite below oceanic spreading centres. <i>Earth and Planetary Science Letters</i> , 2007 , 255, 289-303	5.3	70
115	Stable isotope composition and rare earth element content of vertebrate remains from the Late Cretaceous of northern Spain (Laño): did the environmental record survive?. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2003 , 193, 457-471	2.9	70
114	First occurrence of early Homo in the Nachukui Formation (West Turkana, Kenya) at 2.3-2.4 Myr. <i>Journal of Human Evolution</i> , 2005 , 49, 230-40	3.1	70
113	Diffusion induced Li isotopic fractionation during the cooling of magmatic rocks: The case of pyroxene phenocrysts from nakhlite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 4813-4825	5.5	68
112	Petrology and chemistry of the basaltic shergottite North West Africa 480. <i>Meteoritics and Planetary Science</i> , 2002 , 37, 487-499	2.8	68
111	Silicon isotopes in angrites and volatile loss in planetesimals. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 17029-32	11.5	66
110	Petrology and geochemistry of the unbrecciated achondrite Northwest Africa 1240 (NWA 1240): an HED parent body impact melt. <i>Geochimica Et Cosmochimica Acta</i> , 2003 , 67, 3959-3970	5.5	66
109	Isotope (Sr, Nd, Pb, O) and trace-element geochemistry of volcanics from the Erta'Ale range (Ethiopia). <i>Journal of Volcanology and Geothermal Research</i> , 1998 , 80, 85-100	2.8	65
108	The basaltic shergottite Northwest Africa 856: Petrology and chemistry. <i>Meteoritics and Planetary Science</i> , 2002 , 37, 1147-1164	2.8	65
107	The use of SEM-EDS, PIXE and EDXRF for obsidian provenance studies in the Near East: a case study from Neolithic Italy (central Anatolia). <i>Journal of Archaeological Science</i> , 2010 , 37, 2705-2720	2.9	64
106	Petrography and geochemistry of the chassignite Northwest Africa 2737 (NWA 2737). <i>Geochimica Et Cosmochimica Acta</i> , 2006 , 70, 2127-2139	5.5	64
105	A new Martian meteorite from Morocco: the nakhlite North West Africa 817. <i>Earth and Planetary Science Letters</i> , 2002 , 195, 223-238	5.3	64
104	Aqueous alteration in the Northwest Africa 817 (NWA 817) Martian meteorite. <i>Earth and Planetary Science Letters</i> , 2002 , 203, 431-444	5.3	62
103	Bulk chemistry of Saharan shergottite Dar al Gani 476. <i>Meteoritics and Planetary Science</i> , 2001 , 36, 23-29	2.8	60
102	Oxygen isotopic evidence for accretion of Earth's water before a high-energy Moon-forming giant impact. <i>Science Advances</i> , 2018 , 4, eaao5928	14.3	57

101	Photometry of meteorites. <i>Icarus</i> , 2012 , 218, 364-377	3.8	54
100	Magma genesis in an ongoing rifting zone: The Tadjoura Gulf (Afar area). <i>Geochimica Et Cosmochimica Acta</i> , 1993 , 57, 2291-2302	5.5	54
99	Possible fluid-rock interactions on differentiated asteroids recorded in eucritic meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2011 , 75, 3839-3852	5.5	53
98	A deep crust-mantle boundary in the asteroid 4 Vesta. <i>Nature</i> , 2014 , 511, 303-6	50.4	51
97	He, Ar, Sr, Nd and Pb isotopes in volcanic rocks from Afar: Evidence for a primitive mantle component and constraints on magmatic sources.. <i>Geochemical Journal</i> , 1993 , 27, 219-228	0.9	50
96	Iron isotope fractionation in planetary crusts. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 89, 31-45	5.5	48
95	Li isotopic variations in single pyroxenes from the Northwest Africa 480 shergottite (NWA 480): a record of degassing of Martian magmas?. <i>Geochimica Et Cosmochimica Acta</i> , 2004 , 68, 2925-2933	5.5	48
94	Mantle heterogeneity in northeastern Africa: evidence from Nd isotopic compositions and hygromagmaphile element geochemistry of basaltic rocks from the Gulf of Tadjoura and southern Red Sea regions. <i>Earth and Planetary Science Letters</i> , 1990 , 101, 233-247	5.3	48
93	Mn-Cr systematics in primitive meteorites: Insights from mineral separation and partial dissolution. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 156, 1-24	5.5	47
92	Petrology, geochemistry, and cosmic-ray exposure age of Iherzolitic shergottite Northwest Africa 1950. <i>Meteoritics and Planetary Science</i> , 2005 , 40, 1175-1184	2.8	46
91	Zinc isotopes in HEDs: Clues to the formation of 4-Vesta, and the unique composition of Pecora Escarpment 82502. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 86, 76-87	5.5	45
90	Geochemistry and origin of Libyan Desert glasses. <i>Geochimica Et Cosmochimica Acta</i> , 1997 , 61, 1953-1959	5.5	45
89	Redox state during core formation on asteroid 4-Vesta. <i>Earth and Planetary Science Letters</i> , 2013 , 373, 75-82	5.3	43
88	Formation of carbonates in the Tatahouine meteorite. <i>Science</i> , 1998 , 280, 412-4	33.3	43
87	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	5.3	42
86	Trachyandesitic volcanism in the early Solar System. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 12689-92	11.5	42
85	Obsidian provenance studies in archaeology: A comparison between PIXE, ICP-AES and ICP-MS. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2005 , 240, 583-588	1.2	42
84	Lithium behavior during cooling of a dry basalt: An ion-microprobe study of the lunar meteorite Northwest Africa 479 (NWA 479). <i>Geochimica Et Cosmochimica Acta</i> , 2005 , 69, 5597-5609	5.5	41

83	A large planetary body inferred from diamond inclusions in a ureilite meteorite. <i>Nature Communications</i> , 2018 , 9, 1327	17.4	39
82	Evidence from Tm anomalies for non-CI refractory lithophile element proportions in terrestrial planets and achondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 176, 1-17	5.5	37
81	Multi-Element Determination of Trace Elements in Natural Water Reference Materials by ICP-SFMS after Tm Addition and Iron Co-precipitation. <i>Geostandards and Geoanalytical Research</i> , 2011 , 35, 145-153	3.6	37
80	Bacteria in the Tatahouine meteorite: nanometric-scale life in rocks. <i>Earth and Planetary Science Letters</i> , 2000 , 175, 161-7	5.3	37
79	NIR spectral trends of HED meteorites: Can we discriminate between the magmatic evolution, mechanical mixing and observation geometry effects?. <i>Icarus</i> , 2011 , 216, 560-571	3.8	36
78	Geochemistry and oxygen isotope composition of main-group pallasites and olivine-rich clasts in mesosiderites: Implications for the Great Dunite Shortage and HED-mesosiderite connection. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 169, 115-136	5.5	35
77	Posteucritic magmatism on Vesta: Evidence from the petrology and thermal history of diogenites. <i>Journal of Geophysical Research</i> , 2011 , 116,		35
76	Volatilization induced by impacts recorded in Zn isotope composition of ureilites. <i>Chemical Geology</i> , 2010 , 276, 374-379	4.2	34
75	Thermal history of Northwest Africa 5073A coarse-grained Stannern-trend eucrite containing cm-sized pyroxenes and large zircon grains. <i>Meteoritics and Planetary Science</i> , 2011 , 46, 1754-1773	2.8	33
74	A unique basaltic micrometeorite expands the inventory of solar system planetary crusts. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 6904-9	11.5	33
73	Geochemistry of the Tertiary volcanism of Northern Ireland. <i>Chemical Geology</i> , 1996 , 129, 15-38	4.2	33
72	Early stages of core segregation recorded by Fe isotopes in an asteroidal mantle. <i>Earth and Planetary Science Letters</i> , 2015 , 419, 93-100	5.3	32
71	Geochemistry of basalts from Manda Hararo, Ethiopia: LREE-depleted basalts in Central Afar. <i>Lithos</i> , 2003 , 69, 1-13	2.9	32
70	Evidence for K-rich terranes on Vesta from impact spherules. <i>Meteoritics and Planetary Science</i> , 2009 , 44, 359-374	2.8	30
69	Determination of parental magmas of HED cumulates: The effects of interstitial melts. <i>Meteoritics and Planetary Science</i> , 2004 , 39, 1767-1779	2.8	30
68	Potassium isotopic compositions of howardite-eucrite-diogenite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 266, 611-632	5.5	29
67	Mineralogy and petrology of the angrite Northwest Africa 1296. <i>Meteoritics and Planetary Science</i> , 2005 , 40, 361-375	2.8	29
66	High-precision sulfur isotope composition of enstatite meteorites and implications of the formation and evolution of their parent bodies. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 172, 393-409	5.5	28

65	Northwest Africa 5958: A weakly altered CM-related ungrouped chondrite, not a CI3. <i>Meteoritics and Planetary Science</i> , 2016 , 51, 851-869	2.8	28
64	The lithophile trace elements in enstatite chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 128, 71-94	5.5	27
63	A low $\delta^{7}\text{Li}$ lower crustal component: Evidence from an alkalic intraplate volcanic series (Chaîne des Puys, French Massif Central). <i>Chemical Geology</i> , 2009 , 266, 205-217	4.2	24
62	No Martian soil component in shergottite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2014 , 125, 23-33	3.5	22
61	Trace element geochemistry of K-rich impact spherules from howardites. <i>Geochimica Et Cosmochimica Acta</i> , 2009 , 73, 5944-5958	5.5	22
60	Sr-Nd-Hf isotopes along the Pacific Antarctic Ridge from 41 to 53°S. <i>Geophysical Research Letters</i> , 2010 , 37, n/a-n/a	4.9	21
59	Crustal differentiation in the early solar system: Clues from the unique achondrite Northwest Africa 7325 (NWA 7325). <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 168, 280-292	5.5	20
58	Northwest Africa 5790: Revisiting nakhlite petrogenesis. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 190, 191-212	5.5	20
57	Experimental evidence of fast transport of trace elements in planetary basaltic crusts by high temperature metamorphism. <i>Earth and Planetary Science Letters</i> , 2013 , 368, 101-109	5.3	20
56	Comment on "The origin of eucrites, diogenites, and olivine diogenites: Magma ocean crystallization and shallow magma processes on Vesta" by B. E. Mandler and L. T. Elkins-Tanton. <i>Meteoritics and Planetary Science</i> , 2014 , 49, 468-472	2.8	19
55	Low-Mg rock debris in howardites: Evidence for KREEPy lithologies on Vesta?. <i>Geochimica Et Cosmochimica Acta</i> , 2012 , 99, 193-205	5.5	19
54	Compound-specific recording of gadolinium pollution in coastal waters by great scallops. <i>Scientific Reports</i> , 2019 , 9, 8015	4.9	18
53	Metal-saturated sulfide assemblages in NWA 2737: Evidence for impact-related sulfur devolatilization in Martian meteorites. <i>Meteoritics and Planetary Science</i> , 2012 , 47, 1830-1841	2.8	18
52	Petrology and geochemistry of the fine-grained, unbrecciated diogenite Northwest Africa 4215. <i>Meteoritics and Planetary Science</i> , 2006 , 41, 1045-1057	2.8	18
51	Strontium isotopes in biogenic phosphates from a neogene marine formation: implications for palaeoseawater studies. <i>Chemical Geology</i> , 2000 , 168, 325-332	4.2	18
50	Composition, petrology, and chondrule-matrix complementarity of the recently discovered Jbilet Winselwan CM2 chondrite. <i>Meteoritics and Planetary Science</i> , 2018 , 53, 2470-2491	2.8	18
49	A LREE-depleted component in the Afar plume: Further evidence from Quaternary Djibouti basalts. <i>Lithos</i> , 2010 , 114, 327-336	2.9	17
48	The Stubenberg meteorite—An LL6 chondrite fragmental breccia recovered soon after precise prediction of the strewn field. <i>Meteoritics and Planetary Science</i> , 2017 , 52, 1683-1703	2.8	16

47	The origin of aubrites: Evidence from lithophile trace element abundances and oxygen isotope compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 192, 29-48	5.5	16
46	Petrology and mineralogy of the angrite Northwest Africa 1670. <i>Meteoritics and Planetary Science</i> , 2008 , 43, 1783-1795	2.8	16
45	Homogeneous distribution of Fe isotopes in the early solar nebula. <i>Meteoritics and Planetary Science</i> , 2013 , 48, 354-364	2.8	15
44	Reconstructing seawater Sr/Ca during the last 70My using fossil fish tooth enamel. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2011 , 310, 133-138	2.9	15
43	Geochemistry of the Martian meteorite ALH 84001, revisited. <i>Meteoritics and Planetary Science</i> , 2010 , 45, 495-512	2.8	15
42	New considerations on the stratigraphy and environmental context of the oldest (2.34 Ma) Lokalelei archaeological site complex of the Nachukui Formation, West Turkana, northern Kenya Rift. <i>Journal of African Earth Sciences</i> , 2010 , 58, 157-184	2.2	15
41	The most primitive CM chondrites, Asuka 12085, 12169, and 12236, of subtypes 3.00.8: Their characteristic features and classification. <i>Polar Science</i> , 2020 , 26, 100565	2.3	15
40	Timing and Origin of the Angrite Parent Body Inferred from Cr Isotopes. <i>Astrophysical Journal Letters</i> , 2019 , 877, L13	7.9	13
39	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	5.3	13
38	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 ¹³	2.8	13
37	Cristobalite inclusions in the Tatahouine achondrite: Implications for shock conditions. <i>American Mineralogist</i> , 2002 , 87, 1250-1256	2.9	13
36	Partial melting of a C-rich asteroid: Lithophile trace elements in ureilites. <i>Geochimica Et Cosmochimica Acta</i> , 2016 , 194, 163-178	5.5	13
35	Chromium Isotopic Constraints on the Origin of the Ureilite Parent Body. <i>Astrophysical Journal</i> , 2020 , 888, 126	4.7	11
34	Si ISOTOPE HOMOGENEITY OF THE SOLAR NEBULA. <i>Astrophysical Journal</i> , 2013 , 779, 123	4.7	11
33	The Braunschweig meteorite is a recent L6 chondrite fall in Germany. <i>Chemie Der Erde</i> , 2017 , 77, 207-224	4.3	11
32	Noble gases in the Martian meteorite Northwest Africa 2737: A new chassignite signature. <i>Meteoritics and Planetary Science</i> , 2006 , 41, 739-748	2.8	11
31	Noble gas variations in ureilites and their implications for ureilite parent body formation. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 270, 325-337	5.5	11
30	Northwest Africa 11024 is a heated and dehydrated unique carbonaceous (CM) chondrite. <i>Meteoritics and Planetary Science</i> , 2019 , 54, 328-356	2.8	11

29	The Renchen L5-6 chondrite breccia □The first confirmed meteorite fall from Baden-Württemberg (Germany). <i>Chemie Der Erde</i> , 2019 , 79, 125525	4.3	10
28	The old, unique C1 chondrite Flensburg □Insight into the first processes of aqueous alteration, brecciation, and the diversity of water-bearing parent bodies and lithologies. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 293, 142-186	5.5	9
27	Metamorphic angrite Northwest Africa 3164/5167 compared to magmatic angrites. <i>Geochimica Et Cosmochimica Acta</i> , 2015 , 168, 1-21	5.5	8
26	Petrology and bulk chemistry of Yamato-82094, a new type of carbonaceous chondrite. <i>Meteoritics and Planetary Science</i> , 2014 , 49, 346-357	2.8	8
25	Mass-independent and mass-dependent Cr isotopic composition of the Rumuruti (R) chondrites: Implications for their origin and planet formation. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 293, 598-609	5.5	7
24	A new chemical separation procedure for the determination of rare earth elements and yttrium abundances in carbonates by ICP-MS. <i>Talanta</i> , 2020 , 219, 121244	6.2	6
23	Lanthanum anomalies as fingerprints of methanotrophy. <i>Geochemical Perspectives Letters</i> , 2014 , 14, 26-30	3	6
22	Northwest Africa 8694, a ferroan chassignite: Bridging the gap between nakhlites and chassignites. <i>Geochimica Et Cosmochimica Acta</i> , 2020 , 282, 201-226	5.5	5
21	Trace element systematics in cold seep carbonates and associated lipid compounds. <i>Chemical Geology</i> , 2019 , 528, 119277	4.2	5
20	Ejby□A new H5/6 ordinary chondrite fall in Copenhagen, Denmark. <i>Meteoritics and Planetary Science</i> , 2019 , 54, 1853-1869	2.8	5
19	Petrology and geochemistry of Northwest Africa 5480 diogenite and evidence for a basin-forming event on Vesta. <i>Meteoritics and Planetary Science</i> , 2015 , 50, 1260-1270	2.8	5
18	A 4,565-My-old andesite from an extinct chondritic protoplanet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	5
17	Brain MRIs make up the bulk of the gadolinium footprint in medical imaging. <i>Journal of Neuroradiology</i> , 2020 , 47, 259-265	3.1	4
16	Microbial utilization of rare earth elements at cold seeps related to aerobic methane oxidation. <i>Chemical Geology</i> , 2020 , 555, 119832	4.2	4
15	The Tarda Meteorite: A Window into the Formation of D-type Asteroids. <i>Astrophysical Journal Letters</i> , 2021 , 913, L9	7.9	4
14	A global survey of radiogenic strontium isotopes in river sediments. <i>Chemical Geology</i> , 2021 , 559, 119958	4.2	4
13	La Réunion Island dunites as analogs of the Martian chassignites: Tracking trapped melts with incompatible trace elements. <i>Lithos</i> , 2019 , 344-345, 452-463	2.9	3
12	Determination of rare earth elements in gadolinium-based contrast agents by ICP-MS. <i>Talanta</i> , 2021 , 221, 121589	6.2	3

11	Compositional diversity of ordinary chondrites inferred from petrology, bulk chemical, and oxygen isotopic compositions of the lowest FeO ordinary chondrite, Yamato 982717. <i>Meteoritics and Planetary Science</i> , 2019 , 54, 1919-1929	2.8	2
10	Mechanisms of crustal growth in large igneous provinces: The north Atlantic province as a case study 2007 , 747-774		2
9	Zinc isotopic variations in ureilites. <i>Geochimica Et Cosmochimica Acta</i> , 2019 , 246, 450-460	5.5	2
8	Tracing the origin and core formation of the enstatite achondrite parent bodies using Cr isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2021 , 308, 256-272	5.5	2
7	Kersantites and associated intrusives from the type locality (Kersanton), Variscan Belt of Western Armorica (France). <i>Gondwana Research</i> , 2021 , 98, 46-62	5.1	2
6	Half-life and initial Solar System abundance of Sm determined from the oldest andesitic meteorite.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2120933119 ^{11.5}		2
5	A 650 km ² Miocene strewnfield of splash-form impact glasses in the Atacama Desert, Chile. <i>Earth and Planetary Science Letters</i> , 2021 , 569, 117049	5.3	1
4	Trace element determinations in Fe-Mn oxides by high resolution ICP-MS after Tm addition. <i>Talanta</i> , 2021 , 233, 122446	6.2	1
3	Blaubeuren, Cloppenburg, and Machtenstein—three recently recognized H-group chondrite finds in Germany with distinct terrestrial ages and weathering effects. <i>Meteoritics and Planetary Science</i> , 2022 , 57, 136-153	2.8	0
2	Excessive use of gadolinium-based contrast agents: myth or reality?. <i>Journal of Neuroradiology</i> , 2019 , 46, 80-81	3.1	
1	Non-terrestrial Melts, Magmas and Glasses. <i>Reviews in Mineralogy and Geochemistry</i> , 2022 , 87, 887-918	7.1	