

Frederic Moynier

List of Publications by Year in descending order

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231
papers

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citations

31976

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87
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239
all docs

239
docs citations

239
times ranked

4695
citing authors

#	ARTICLE	IF	CITATIONS
1	Samples returned from the asteroid Ryugu are similar to Ivuna-type carbonaceous meteorites. <i>Science</i> , 2023, 379, .	12.6	97
2	Stable isotope geochemistry of silicon in granitoid zircon. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 316, 273-294.	3.9	11
3	A ¹⁸⁷ Re- ¹⁸⁷ O _s , ⁸⁷ Rb- ⁸⁷ Sr, highly siderophile and incompatible trace element study of some carbonaceous, ordinary and enstatite chondrite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 318, 19-54.	3.9	8
4	Calcium isotope measurements using a collision cell (CC)-MC-ICP-MS. <i>Chemical Geology</i> , 2022, 590, 120688.	3.3	14
5	Metal compositions of carbonaceous chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 321, 52-77.	3.9	5
6	Determination of the zirconium isotopic composition of the new isotopic standard NRC ZIRC-1 using MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 656-662.	3.0	6
7	Copper mobilization in the lower continental crust beneath cratonic margins, a Cu isotope perspective. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 322, 43-57.	3.9	11
8	The absence of an effect of nickel on iron isotope fractionation during core formation. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 327, 186-199.	3.9	1
9	Baseline distribution of stable copper isotope compositions of the brain and other organs in mice. <i>Metallomics</i> , 2022, 14, .	2.4	6
10	Half-life and initial Solar System abundance of ¹⁴⁶ 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.	7.1	17
11	Decoupled Zn-Sr-Nd isotopic composition of continental intraplate basalts caused by two-stage melting process. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 234-252.	3.9	13
12	Stable zirconium isotopic fractionation during alkaline magma differentiation: Implications for the differentiation of continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 326, 41-55.	3.9	12
13	Nickel and Chromium Stable Isotopic Composition of Ureilites: Implications for the Earth's Core Formation and Differentiation of the Ureilite Parent Body. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	8
14	Copper isotope composition of hemocyanin. <i>Journal of Trace Elements in Medicine and Biology</i> , 2022, 71, 126967.	3.0	2
15	Barium stable isotopic composition of chondrites and its implication for the Earth. <i>Chemical Geology</i> , 2022, 604, 120923.	3.3	3
16	Zinc isotope anomalies in primitive meteorites identify the outer solar system as an important source of Earth's volatile inventory. <i>Icarus</i> , 2022, 386, 115172.	2.5	27
17	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.	3.9	15
18	A condensation origin for the mass-dependent silicon isotopic variations in Allende components: implications for complementarity. <i>Earth and Planetary Science Letters</i> , 2021, 554, 116678.	4.4	5

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19	Potassium isotopic composition of seven widely available biological standards using collision cell (CC)-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2444-2448.	3.0	16
20	Earth's volatile accretion as told by Cd, Bi, Sb and Tl core-mantle distribution. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 306, 263-280.	3.9	8
21	Study on the Isotope fractionation of Zinc in Complexation with Macrocyclic Polyethers. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2021, 647, 599-605.	1.2	1
22	Hybrid Accretion of Carbonaceous Chondrites by Radial Transport across the Jupiter Barrier. <i>Astrophysical Journal</i> , 2021, 910, 70.	4.5	12
23	Conditions and extent of volatile loss from the Moon during formation of the Procellarum basin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	12
24	Simultaneous determination of mass-dependent Mg isotopic variations and radiogenic ²⁶ Mg by laser ablation-MC-ICP-MS and implications for the formation of chondrules. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 299, 163-183.	3.9	5
25	Citation for the 2020 EAG Houtermans Award to Kun Wang. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 298, 248.	3.9	0
26	Impact glasses from Belize represent tektites from the Pleistocene Pantasma impact crater in Nicaragua. <i>Communications Earth & Environment</i> , 2021, 2, 94.	6.8	14
27	Chromium isotopic insights into the origin of chondrite parent bodies and the early terrestrial volatile depletion. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 301, 158-186.	3.9	33
28	Calcium isotope evidence for early Archaean carbonates and subduction of oceanic crust. <i>Nature Communications</i> , 2021, 12, 2534.	12.8	30
29	Analytical protocols for Phobos regolith samples returned by the Martian Moons eXploration (MMX) mission. <i>Earth, Planets and Space</i> , 2021, 73, 120.	2.5	8
30	Potassium isotopic composition of various samples using a dual-path collision cell-capable multiple-collector inductively coupled plasma mass spectrometer, Nu instruments Sapphire. <i>Chemical Geology</i> , 2021, 571, 120144.	3.3	49
31	Tracing Earth's Volatile Delivery With Tin. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022026.	3.4	7
32	Tidal pull of the Earth strips the proto-Moon of its volatiles. <i>Icarus</i> , 2021, 364, 114451.	2.5	23
33	Citation for the 2021 F.G. Houtermans Award to Paolo Sossi. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 314, 406-406.	3.9	0
34	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.	3.9	16
35	A Review on the Elemental and Isotopic Geochemistry of Gallium. <i>Global Biogeochemical Cycles</i> , 2021, 35, e2021GB007033.	4.9	12
36	The Mercury Isotopic Composition of Earth's Mantle and the Use of Mass Independently Fractionated Hg to Test for Recycled Crust. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL094301.	4.0	33

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37	Zirconium isotopic composition of the upper continental crust through time. <i>Earth and Planetary Science Letters</i> , 2021, 572, 117086.	4.4	18
38	Deciphering the origin of a basanite-alkali basalt-tholeiite suite using Zn isotopes. <i>Chemical Geology</i> , 2021, 585, 120585.	3.3	6
39	Iron Isotopic Composition of Biological Standards Relevant to Medical and Biological Applications. <i>Frontiers in Medicine</i> , 2021, 8, 696367.	2.6	7
40	MIRS: an imaging spectrometer for the MMX mission. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	13
41	Chromium Stable Isotope Panorama of Chondrites and Implications for Earth Early Accretion. <i>Astrophysical Journal</i> , 2021, 923, 94.	4.5	10
42	Mare basalt meteorites, magnesian-suite rocks and KREEP reveal loss of zinc during and after lunar formation. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115998.	4.4	23
43	Timing of thermal metamorphism in CM chondrites: Implications for Ryugu and Bennu future sample return. <i>Icarus</i> , 2020, 339, 113593.	2.5	22
44	Calcium isotope compositions of mantle pyroxenites. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 270, 144-159.	3.9	24
45	An experimentally-determined general formalism for evaporation and isotope fractionation of Cu and Zn from silicate melts between 1300 and 1500°C and 1 bar. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 288, 316-340.	3.9	25
46	Chondritic mercury isotopic composition of Earth and evidence for evaporative equilibrium degassing during the formation of eucrites. <i>Earth and Planetary Science Letters</i> , 2020, 551, 116544.	4.4	26
47	The internal structure and geodynamics of Mars inferred from a 4.2-Gyr zircon record. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30973-30979.	7.1	33
48	The zirconium stable isotope compositions of 22 geological reference materials, 4 zircons and 3 standard solutions. <i>Chemical Geology</i> , 2020, 555, 119791.	3.3	27
49	Compositional and pressure controls on calcium and magnesium isotope fractionation in magmatic systems. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 290, 257-270.	3.9	22
50	Copper and zinc isotopic excursions in the human brain affected by Alzheimer's disease. <i>Alzheimer's and Dementia: Diagnosis, Assessment and Disease Monitoring</i> , 2020, 12, e12112.	2.4	16
51	Early oxidation of the martian crust triggered by impacts. <i>Science Advances</i> , 2020, 6, .	10.3	26
52	Longitudinal biometal accumulation and Ca isotope composition of the Göttingen minipig brain. <i>Metallomics</i> , 2020, 12, 1585-1598.	2.4	4
53	Significant Zr isotope variations in single zircon grains recording magma evolution history. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 21125-21131.	7.1	34
54	Mineralogy, chemistry, and composition of organic compounds in the fresh carbonaceous chondrite Mukundpura: CM1 or CM2?. <i>Meteoritics and Planetary Science</i> , 2020, 55, 1681-1696.	1.6	10

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55	Metal-silicate silicon isotopic fractionation and the composition of the bulk Earth. <i>Earth and Planetary Science Letters</i> , 2020, 549, 116468.	4.4	11
56	Dating and Tracing the Origin of Enstatite Chondrite Chondrules with Cr Isotopes. <i>Astrophysical Journal Letters</i> , 2020, 894, L26.	8.3	27
57	Calcium isotopic evidence for the mantle sources of carbonatites. <i>Science Advances</i> , 2020, 6, eaba3269.	10.3	48
58	Silicon isotope measurement in zircon by laser ablation multiple collector inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1597-1606.	3.0	8
59	Isotope metallomics approaches for medical research. <i>Cellular and Molecular Life Sciences</i> , 2020, 77, 3293-3309.	5.4	17
60	Zinc isotopic composition of the lower continental crust estimated from lower crustal xenoliths and granulite terrains. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 276, 92-108.	3.9	12
61	Chromium Isotopic Constraints on the Origin of the Ureilite Parent Body. <i>Astrophysical Journal</i> , 2020, 888, 126.	4.5	28
62	Platinum group element mobilization in the mantle enhanced by recycled sedimentary carbonate. <i>Earth and Planetary Science Letters</i> , 2020, 541, 116262.	4.4	15
63	Iron isotopes and the redox evolution of Ediacaran sediments. <i>Comptes Rendus - Geoscience</i> , 2020, 352, 579-588.	1.2	0
64	Evidence for Transient Atmospheres during Eruptive Outgassing on the Moon. <i>Planetary Science Journal</i> , 2020, 1, 67.	3.6	11
65	Serum and brain natural copper stable isotopes in a mouse model of Alzheimer's disease. <i>Scientific Reports</i> , 2019, 9, 11894.	3.3	35
66	Tracking the volatile and magmatic history of Vesta from chromium stable isotope variations in eucrite and diogenite meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 598-610.	3.9	25
67	Zinc isotope analyses of singularly small samples (5 ng Zn): Investigating chondrule-matrix complementarity in Leoville. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 261, 248-268.	3.9	18
68	Experimentally determined Si isotope fractionation between zircon and quartz. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 257-274.	3.9	12
69	Planetesimal formation in an evolving protoplanetary disk with a dead zone. <i>Astronomy and Astrophysics</i> , 2019, 627, A50.	5.1	19
70	Some things special about NEAs: Geometric and environmental effects on the optical signatures of hydration. <i>Icarus</i> , 2019, 333, 415-428.	2.5	23
71	Determination of Zr isotopic ratios in zircons using laser-ablation multiple-collector inductively coupled-plasma mass-spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1800-1809.	3.0	43
72	Volatile loss under a diffusion-limited regime in tektites: Evidence from tin stable isotopes. <i>Chemical Geology</i> , 2019, 528, 119279.	3.3	15

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73	Tracing the formation and differentiation of the Earth by non-traditional stable isotopes. <i>Science China Earth Sciences</i> , 2019, 62, 1702-1715.	5.2	17
74	Reply to Comment by Jennings et al. on "Investigating Earth's Formation History Through Copper and Sulfur Metal-Silicate Partitioning During Core-Mantle Differentiation". <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12845-12853.	3.4	0
75	An oceanic subduction origin for Archaean granitoids revealed by silicon isotopes. <i>Nature Geoscience</i> , 2019, 12, 774-778.	12.9	55
76	Timing and Origin of the Angrite Parent Body Inferred from Cr Isotopes. <i>Astrophysical Journal Letters</i> , 2019, 877, L13.	8.3	33
77	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.	3.9	17
78	Evaporation of moderately volatile elements from silicate melts: experiments and theory. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 260, 204-231.	3.9	102
79	Identification of a meteoritic component using chromium isotopic composition of impact rocks from the Lonar impact structure, India. <i>Meteoritics and Planetary Science</i> , 2019, 54, 2592-2599.	1.6	10
80	Evolution of the Ca isotopic composition of the mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 195-206.	3.9	17
81	Unusual neon isotopic composition in Neoproterozoic sedimentary rocks: Fluorine bearing mineral contribution or trace of an impact event?. <i>Chemical Geology</i> , 2019, 520, 52-59.	3.3	0
82	The potential science and engineering value of samples delivered to Earth by Mars sample return. <i>Meteoritics and Planetary Science</i> , 2019, 54, S3.	1.6	73
83	The potential science and engineering value of samples delivered to Earth by Mars sample return. <i>Meteoritics and Planetary Science</i> , 2019, 54, 667-671.	1.6	11
84	Chromium Isotopic Evidence for an Early Formation of Chondrules from the Ornans CO Chondrite. <i>Astrophysical Journal</i> , 2019, 873, 82.	4.5	27
85	Pantasma: Evidence for a Pleistocene circa 14 km diameter impact crater in Nicaragua. <i>Meteoritics and Planetary Science</i> , 2019, 54, 880-901.	1.6	13
86	Tin and zinc stable isotope characterisation of chondrites and implications for early Solar System evolution. <i>Chemical Geology</i> , 2019, 511, 81-90.	3.3	36
87	Volatile distributions in and on the Moon revealed by Cu and Fe isotopes in the "Rusty Rock"™ 66095. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 266, 131-143.	3.9	15
88	Isotopic fractionation of zirconium during magmatic differentiation and the stable isotope composition of the silicate Earth. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 250, 311-323.	3.9	50
89	A unifying model for the accretion of chondrules and matrix. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 18860-18866.	7.1	19
90	Titanium isotopes as a tracer for the plume or island arc affinity of felsic rocks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1132-1135.	7.1	64

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91	Ultraviolet-photon fingerprints on chondritic large organic molecules. <i>Geochemical Journal</i> , 2019, 53, 21-32.	1.0	19
92	Late Eocene impact ejecta in Italy: Attempts to constrain the impactor composition from isotopic analyses of spinel-rich samples. , 2019, , 347-354.		0
93	Barium isotope cosmochemistry and geochemistry. <i>Science Bulletin</i> , 2018, 63, 385-394.	9.0	19
94	Chondritic Mn/Na ratio and limited post-nebular volatile loss of the Earth. <i>Earth and Planetary Science Letters</i> , 2018, 485, 130-139.	4.4	36
95	The stable strontium isotopic composition of ocean island basalts, mid-ocean ridge basalts, and komatiites. <i>Chemical Geology</i> , 2018, 483, 595-602.	3.3	26
96	Chromium isotopic homogeneity between the Moon, the Earth, and enstatite chondrites. <i>Earth and Planetary Science Letters</i> , 2018, 481, 1-8.	4.4	62
97	A history of violence: Insights into post-accretionary heating in carbonaceous chondrites from volatile element abundances, Zn isotopes and water contents. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 220, 19-35.	3.9	24
98	Volatile element loss during planetary magma ocean phases. <i>Icarus</i> , 2018, 300, 249-260.	2.5	67
99	Zinc isotope composition of the Earth and its behaviour during planetary accretion. <i>Chemical Geology</i> , 2018, 477, 73-84.	3.3	122
100	Martian magmatism from plume metasomatized mantle. <i>Nature Communications</i> , 2018, 9, 4799.	12.8	41
101	Volatile loss following cooling and accretion of the Moon revealed by chromium isotopes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 10920-10925.	7.1	63
102	Investigating Earth's Formation History Through Copper and Sulfur Metal-Silicate Partitioning During Core-Mantle Differentiation. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8349-8363.	3.4	14
103	Lack of resolvable titanium stable isotopic variations in bulk chondrites. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 239, 409-419.	3.9	21
104	Evidence for extremely rapid magma ocean crystallization and crust formation on Mars. <i>Nature</i> , 2018, 558, 586-589.	27.8	111
105	Insight into hydrothermal and subduction processes from copper and nitrogen isotopes in oceanic metagabbros. <i>Earth and Planetary Science Letters</i> , 2018, 498, 54-64.	4.4	12
106	High-precision zirconium stable isotope measurements of geological reference materials as measured by double-spike MC-ICPMS. <i>Chemical Geology</i> , 2018, 493, 544-552.	3.3	53
107	Constraining compositional proxies for Earth's accretion and core formation through high pressure and high temperature Zn and S metal-silicate partitioning. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 235, 21-40.	3.9	22
108	Alteration of synthetic basaltic glass in silica saturated conditions: Analogy with nuclear glass. <i>Applied Geochemistry</i> , 2018, 97, 19-31.	3.0	17

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109	Examining the homeostatic distribution of metals and Zn isotopes in G�ttingen minipigs. <i>Metallomics</i> , 2018, 10, 1264-1281.	2.4	25
110	Volatile element evolution of chondrules through time. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 8547-8552.	7.1	19
111	Evaluating the robustness of a consensus ²³⁸ U/ ²³⁵ U value for U-Pb geochronology. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 237, 171-183.	3.9	14
112	Zinc Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2018, , 1524-1527.	0.1	0
113	The Isotope Geochemistry of Zinc and Copper. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 543-600.	4.8	272
114	In Situ Analysis of Non-Traditional Isotopes by SIMS and LA-MC-ICP-MS: Key Aspects and the Example of Mg Isotopes in Olivines and Silicate Glasses. <i>Reviews in Mineralogy and Geochemistry</i> , 2017, 82, 127-163.	4.8	20
115	Evaporative fractionation of zinc during the first nuclear detonation. <i>Science Advances</i> , 2017, 3, e1602668.	10.3	38
116	The origin of volatile element depletion in early solar system material: Clues from Zn isotopes in chondrules. <i>Earth and Planetary Science Letters</i> , 2017, 468, 62-71.	4.4	71
117	5 In Situ Analysis of Non-Traditional Isotopes by SIMS and LA-MC-ICP-MS: Key Aspects and the Example of Mg Isotopes in Olivines and Silicate Glasses. , 2017, , .		3
118	Tracing metal-silicate segregation and late veneer in the Earth and the ureilite parent body with palladium stable isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 216, 28-41.	3.9	15
119	Chemical and isotopic kinship of iron in the Earth and Moon deduced from the lunar Mg-Suite. <i>Earth and Planetary Science Letters</i> , 2017, 471, 125-135.	4.4	41
120	Tin stable isotope analysis of geological materials by double-spike MC-ICPMS. <i>Chemical Geology</i> , 2017, 457, 61-67.	3.3	38
121	Early Solar System irradiation quantified by linked vanadium and beryllium isotope variations in meteorites. <i>Nature Astronomy</i> , 2017, 1, .	10.1	47
122	Chromium isotope evidence in ejecta deposits for the nature of Paleoproterozoic impactors. <i>Earth and Planetary Science Letters</i> , 2017, 460, 105-111.	4.4	23
123	Gallium isotopic evidence for the fate of moderately volatile elements in planetary bodies and refractory inclusions. <i>Earth and Planetary Science Letters</i> , 2017, 479, 330-339.	4.4	25
124	Gallium isotopic evidence for extensive volatile loss from the Moon during its formation. <i>Science Advances</i> , 2017, 3, e1700571.	10.3	74
125	Late-stage magmatic outgassing from a volatile-depleted Moon. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 9547-9551.	7.1	41
126	Early formation of planetary building blocks inferred from Pb isotopic ages of chondrules. <i>Science Advances</i> , 2017, 3, e1700407.	10.3	174

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127	Zhamanshin astrobleme provides evidence for carbonaceous chondrite and post-impact exchange between ejecta and Earth's atmosphere. <i>Nature Communications</i> , 2017, 8, 227.	12.8	17
128	Implications for behavior of volatile elements during impacts—Zinc and copper systematics in sediments from the Ries impact structure and central European tektites. <i>Meteoritics and Planetary Science</i> , 2017, 52, 2178-2192.	1.6	20
129	Theoretical isotopic fractionation of magnesium between chlorophylls. <i>Scientific Reports</i> , 2017, 7, 6973.	3.3	24
130	Rubidium isotopic composition of the Earth, meteorites, and the Moon: Evidence for the origin of volatile loss during planetary accretion. <i>Earth and Planetary Science Letters</i> , 2017, 473, 62-70.	4.4	130
131	Elemental partitioning and isotopic fractionation of Zn between metal and silicate and geochemical estimation of the S content of the Earth's core. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 196, 252-270.	3.9	45
132	The gallium isotopic composition of the bulk silicate Earth. <i>Chemical Geology</i> , 2017, 448, 164-172.	3.3	39
133	13 The Isotope Geochemistry of Zinc and Copper. , 2017, , 543-600.		9
134	Testing the chondrule-rich accretion model for planetary embryos using calcium isotopes. <i>Earth and Planetary Science Letters</i> , 2017, 469, 75-83.	4.4	44
135	Calcium isotope fractionation between aqueous compounds relevant to low-temperature geochemistry, biology and medicine. <i>Scientific Reports</i> , 2017, 7, 44255.	3.3	40
136	Late accretion history of the terrestrial planets inferred from platinum stable isotopes. <i>Geochemical Perspectives Letters</i> , 2017, , 94-104.	5.0	24
137	Distribution of Zn isotopes during Alzheimer's disease. <i>Geochemical Perspectives Letters</i> , 2017, , 142-150.	5.0	28
138	Cosmogenic effects on Cu isotopes in IVB iron meteorites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 145-154.	3.9	14
139	Zinc Isotopes. <i>Encyclopedia of Earth Sciences Series</i> , 2016, , 1-4.	0.1	0
140	Silicon isotopes reveal recycled altered oceanic crust in the mantle sources of Ocean Island Basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 282-295.	3.9	32
141	Estimation of the extraterrestrial ³ He and ²⁰ Ne fluxes on Earth from He and Ne systematics in marine sediments. <i>Earth and Planetary Science Letters</i> , 2016, 436, 10-18.	4.4	4
142	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.	3.9	34
143	High Precision Zinc Isotopic Measurements Applied to Mouse Organs. <i>Journal of Visualized Experiments</i> , 2015, , e52479.	0.3	11
144	2015 Nier Prize for Pierre Beck. <i>Meteoritics and Planetary Science</i> , 2015, 50, 1493-1494.	1.6	0

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145	Early stages of core segregation recorded by Fe isotopes in an asteroidal mantle. <i>Earth and Planetary Science Letters</i> , 2015, 419, 93-100.	4.4	44
146	Silicon isotope systematics of acidic weathering of fresh basalts, Kilauea Volcano, Hawaii. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 169, 63-81.	3.9	16
147	Extensive volatile loss during formation and differentiation of the Moon. <i>Nature Communications</i> , 2015, 6, 7617.	12.8	125
148	Barium stable isotope composition of the Earth, meteorites, and calcium-aluminum-rich inclusions. <i>Chemical Geology</i> , 2015, 413, 1-6.	3.3	17
149	Isotope fractionation of Si in protonation/deprotonation reaction of silicic acid: A new pH proxy. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 193-205.	3.9	20
150	Copper isotope evidence for large-scale sulphide fractionation during Earth's differentiation. <i>Geochemical Perspectives Letters</i> , 2015, , 53-64.	5.0	134
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