Qing-Zhu Yin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/4523954/publications.pdf

Version: 2024-02-01

159 papers	9,572 citations	36203 51 h-index	42291 92 g-index
165 all docs	165 docs citations	165 times ranked	6278 citing authors

#	Article	IF	Citations
1	A short timescale for terrestrial planet formation from Hfâ€“W chronometry of meteorites. Nature, 2002, 418, 949-952.	13.7	615
2	Hfâ€“W chronology of the accretion and early evolution of asteroids and terrestrial planets. Geochimica Et Cosmochimica Acta, 2009, 73, 5150-5188.	1.6	521
3	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	6.0	487
4	Copper Systematics in Arc Magmas and Implications for Crust-Mantle Differentiation. Science, 2012, 336, 64-68.	6.0	480
5	The lunar magma ocean: Reconciling the solidification process with lunar petrology and geochronology. Earth and Planetary Science Letters, 2011, 304, 326-336.	1.8	376
6	26Alâ€“26Mg and 207Pbâ€“206Pb systematics of Allende CAIs: Canonical solar initial 26Al/27Al ratio reinstated. Earth and Planetary Science Letters, 2008, 272, 353-364.	1.8	347
7	Radar-Enabled Recovery of the Sutterâ€™s Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. Science, 2012, 338, 1583-1587.	6.0	191
8	Isotopic fractionation of Mg2+(aq), Ca2+(aq), and Fe2+(aq) with carbonate minerals. Geochimica Et Cosmochimica Acta, 2010, 74, 6301-6323.	1.6	190
9	Coupled 142Ndâ€“143Nd evidence for a protracted magma ocean in Mars. Nature, 2007, 450, 525-528.	13.7	185
10	Origin and chronology of chondritic components: A review. Geochimica Et Cosmochimica Acta, 2009, 73, 4963-4997.	1.6	171
11	Preservation of ancient and fertile lithospheric mantle beneath the southwestern United States. Nature, 2001, 411, 69-73.	13.7	167
12	Stagnant-lid tectonics in early Earth revealed by 142Nd variations in late Archean rocks. Earth and Planetary Science Letters, 2013, 373, 83-92.	1.8	167
13	Investigating the behaviour of Mg isotopes during the formation of clay minerals. Geochimica Et Cosmochimica Acta, 2014, 128, 178-194.	1.6	145
14	²⁶Alâ€²⁶Mg isotope systematics of the first solids in the early solar system. Meteoritics and Planetary Science, 2013, 48, 1383-1400.	0.7	137
15	Geochemical Constraints on Adakites of Different Origins and Copper Mineralization. Journal of Geology, 2012, 120, 105-120.	0.7	135
16	Calibrating the terminations of Cryogenian global glaciations. Geology, 2019, 47, 251-254.	2.0	125
17	Magnesium-Isotope Fractionation During Plant Growth. Environmental Science & Technology, 2008, 42, 7831-7836.	4.6	123
18	Osmium Isotopic Evidence for Mesozoic Removal of Lithospheric Mantle Beneath the Sierra Nevada, California. Science, 2000, 289, 1912-1916.	6.0	114

#	Article	IF	Citations
19	An experimental study of magnesium-isotope fractionation in chlorophyll-a photosynthesis. Geochimica Et Cosmochimica Acta, 2006, 70, 4072-4079.	1.6	113
20	The Mg isotopic systematics of granitoids in continental arcs and implications for the role of chemical weathering in crust formation. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 20652-20657.	3.3	112
21	Evidence for direct molecular oxygen production in CO ₂ photodissociation. Science, 2014, 346, 61-64.	6.0	103
22	Diverse supernova sources of pre-solar material inferred from molybdenum isotopes in meteorites. Nature, 2002, 415, 881-883.	13.7	101
23	Early martian mantle overturn inferred from isotopic composition of nakhlite meteorites. Nature Geoscience, 2009, 2, 548-552.	5.4	100
24	Distribution of 26Al in the CR chondrite chondrule-forming region of the protoplanetary disk. Geochimica Et Cosmochimica Acta, 2017, 201, 275-302.	1.6	100
25	In-situ SIMS Uâ€“Pb dating of phanerozoic apatite with low U and high common Pb. Gondwana Research, 2012, 21, 745-756.	3.0	99
26	Asteroidal impacts and the origin of terrestrial and lunar volatiles. Icarus, 2013, 222, 44-52.	1.1	99
27	Deciphering the physical mechanism of the topography effect for oxygen isotope measurements using a Cameca IMS-1280 SIMS. Journal of Analytical Atomic Spectrometry, 2015, 30, 950-956.	1.6	95
28	A new stratigraphic framework built on U-Pb single-zircon TIMS ages and implications for the timing of the penultimate icehouse (ParanÃ¡ Basin, Brazil). Bulletin of the Geological Society of America, 2018, 130, 848-858.	1.6	94
29	Isotopic Evidence of Cr Partitioning into Earthâ€™s Core. Science, 2011, 331, 1417-1420.	6.0	92
30	Martian mantle mineralogy investigated by the 176Luâ€“176Hf and 147Smâ€“143Nd systematics of shergottites. Earth and Planetary Science Letters, 2008, 269, 186-199.	1.8	89
31	THE LAST STAGES OF TERRESTRIAL PLANET FORMATION: DYNAMICAL FRICTION AND THE LATE VENEER. Astrophysical Journal, 2012, 752, 8.	1.6	85
32	A new type of solar-system material recovered from Ordovician marine limestone. Nature Communications, 2016, 7, ncomms11851.	5.8	84
33	Carbonaceous achondrites Northwest Africa 6704/6693: Milestones for early Solar System chronology and genealogy. Geochimica Et Cosmochimica Acta, 2019, 245, 577-596.	1.6	84
34	Isotopic fractionation of zinc in tektites. Earth and Planetary Science Letters, 2009, 277, 482-489.	1.8	83
35	Carbon and other light element contents in the Earthâ€™s core based on first-principles molecular dynamics. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 19579-19583.	3.3	77
36	SIMS Pbâ€“Pb and Uâ€“Pb age determination of eucrite zircons at<5Î¼m scale and the first 50Ma of the thermal history of Vesta. Geochimica Et Cosmochimica Acta, 2013, 110, 152-175.	1.6	74

#	Article	IF	Citations
37	THE SUPERNOVA TRIGGERED FORMATION AND ENRICHMENT OF OUR SOLAR SYSTEM. Astrophysical Journal, 2012, 745, 22.	1.6	73
38	Lithium isotope fractionation during uptake by gibbsite. Geochimica Et Cosmochimica Acta, 2015, 168, 133-150.	1.6	67
39	Mg isotopic heterogeneity, Alâ€Mg isochrons, and canonical ²⁶Al/²⁷Al in the early solar system. Meteoritics and Planetary Science, 2012, 47, 1980-1997.	0.7	66
40	Coupled stratigraphic and U-Pb zircon age constraints on the late Paleozoic icehouse-to-greenhouse turnover in south-central Gondwana. Geology, 2019, 47, 1146-1150.	2.0	66
41	Magnesium Isotopic Equilibrium in Chlorophylls. Journal of the American Chemical Society, 2007, 129, 8690-8691.	6.6	65
42	Petrogenesis and provenance of ungrouped achondrite Northwest Africa 7325 from petrology, trace elements, oxygen, chromium and titanium isotopes, and mid-IR spectroscopy. Geochimica Et Cosmochimica Acta, 2017, 203, 381-403.	1.6	65
43	Using Mg isotope ratios to trace Cenozoic weathering changes: A case study from the Chinese Loess Plateau. Chemical Geology, 2014, 376, 31-43.	1.4	62
44	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	0.7	59
45	The Northwest Africa 8159 martian meteorite: Expanding the martian sample suite to the early Amazonian. Geochimica Et Cosmochimica Acta, 2017, 218, 1-26.	1.6	58
46	Deep mantle roots and continental emergence: implications for whole-Earth elemental cycling, long-term climate, and the Cambrian explosion. International Geology Review, 2018, 60, 431-448.	1.1	58
47	Precise Uâ€“Pb zircon dating at a scale of <5 micron by the CAMECA 1280 SIMS using a Gaussian illumination probe. Journal of Analytical Atomic Spectrometry, 2011, 26, 845.	1.6	57
48	The amino acid composition of the Sutter's Mill <scp>CM</scp>2 carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 2074-2086.	0.7	57
49	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill <scp>CM</scp> meteorite. Meteoritics and Planetary Science, 2014, 49, 1997-2016.	0.7	57
50	Chondrules reveal large-scale outward transport of inner Solar System materials in the protoplanetary disk. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 23426-23435.	3.3	55
51	Slab devolatilization and Os and Pb mobility in the mantle wedge of the Kamchatka arc. Earth and Planetary Science Letters, 2005, 236, 182-194.	1.8	53
52	Uâ€“Pb and Alâ€“Mg systematics of the ungrouped achondrite Northwest Africa 7325. Geochimica Et Cosmochimica Acta, 2016, 183, 31-45.	1.6	53
53	Otolith Microchemistry Provides Information Complementary to Microsatellite DNA for a Migratory Fish. Transactions of the American Fisheries Society, 2007, 136, 469-476.	0.6	47
54	Previously unknown class of metalorganic compounds revealed in meteorites. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 2819-2824.	3.3	47

#	Article	IF	Citations
55	Volatilization induced by impacts recorded in Zn isotope composition of ureilites. Chemical Geology, 2010, 276, 374-379.	1.4	46
56	Dating the First Stage of Planet Formation. Astrophysical Journal, 2007, 671, L181-L183.	1.6	45
57	Iron isotope fractionation in the Earthâ€™s lowerÂmantle. Nature Geoscience, 2009, 2, 514-518.	5.4	45
58	Signatures of thesâ€Process in Presolar Silicon Carbide Grains: Barium through Hafnium. Astrophysical Journal, 2006, 647, 676-684.	1.6	44
59	Micromagnetic coercivity distributions and interactions in chondrules with implications for paleointensities of the early solar system. Journal of Geophysical Research, 2007, 112, .	3.3	43
60	Geochronology of the Martian meteorite Zagami revealed by Uâ€“Pb ion probe dating of accessory minerals. Earth and Planetary Science Letters, 2013, 374, 156-163.	1.8	43
61	Retrospective determination of natal habitats for an estuarine fish with otolith strontium isotope ratios. Marine and Freshwater Research, 2005, 56, 655.	0.7	42
62	Reconstructing the late-accretion history of the Moon. Nature, 2019, 571, 226-229.	13.7	42
63	Supernova Sources and the [TSUP]92[/TSUP]N[CLC]b[/CLC]-[TSUP]92[/TSUP]Z[CLC]r[/CLC] [CLC][ITAL]p[/ITAL][/CLC]-Process Chronometer. Astrophysical Journal, 2000, 536, L49-L53.	1.6	41
64	Magma mixing and the generation of isotopically juvenile silicic magma at Yellowstone caldera inferred from coupling 238Uâ€“230Th ages with trace elements and Hf and O isotopes in zircon and Pb isotopes in sanidine. Contributions To Mineralogy and Petrology, 2013, 166, 587-613.	1.2	41
65	The origin of the unique achondrite Northwest Africa 6704: Constraints from petrology, chemistry and Reâ€“Os, O and Ti isotope systematics. Geochimica Et Cosmochimica Acta, 2019, 245, 597-627.	1.6	41
66	Discovery, mineral paragenesis, and origin of wadalite in a meteorite. American Mineralogist, 2010, 95, 440-448.	0.9	38
67	Calcium-isotope fractionation between solution and solids with six, seven or eight oxygens bound to Ca(II). Geochimica Et Cosmochimica Acta, 2013, 121, 363-373.	1.6	38
68	A gravimetric K2OsCl6 standard: Application to precise and accurate Os spike calibration. Geochimica Et Cosmochimica Acta, 2001, 65, 2113-2127.	1.6	37
69	Coupled ¹⁸² W- ¹⁴² Nd constraint for early Earth differentiation. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 10810-10814.	3.3	36
70	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. Earth and Planetary Science Letters, 2013, 361, 120-133.	1.8	36
71	Records of the Moonâ€forming impact and the 470ÂMa disruption of the L chondrite parent body in the asteroid belt from Uâ€Pb apatite ages of Novato (L6). Meteoritics and Planetary Science, 2014, 49, 1426-1439.	0.7	36
72	Interlaboratory comparison of magnesium isotopic compositions of 12 felsic to ultramafic igneous rock standards analyzed by <scp>MCâ€ICPMS</scp>. Geochemistry, Geophysics, Geosystems, 2015, 16, 3197-3209.	1.0	34

#	Article	IF	Citations
73	Experimental determination of Zn isotope fractionation during evaporative loss at extreme temperatures. Geochimica Et Cosmochimica Acta, 2019, 259, 391-411.	1.6	34
74	High-precision geochronological constraints on the duration of â€˜Dinosaur Pompeiiâ€™ and the Yixian Formation. National Science Review, 2021, 8, nwab063.	4.6	34
75	Towards higher precision SIMS Uâ€“Pb zircon geochronology via dynamic multi-collector analysis. Journal of Analytical Atomic Spectrometry, 2015, 30, 979-985.	1.6	33
76	Toward Consistent Chronology in the Early Solar System: High-Resolution [FORMULA] [F] [SUP] 53 [/SUP] [/F] [/FORMULA] Mn-[FORMULA] [F] [SUP] 53 [/SUP] [/F] [/FORMULA] Cr Chronometry for Chondrules. Astrophysical Journal, 2007, 662, L43-L46.	1.6	32
77	Magnesium isotope systematics of endoskarns: Implications for wallrock reaction in magma chambers. Chemical Geology, 2013, 356, 209-214.	1.4	32
78	Differentiation and magmatic activity in Vesta evidenced by 26Al-26Mg dating in eucrites and diogenites. Geochimica Et Cosmochimica Acta, 2017, 218, 73-97.	1.6	32
79	FORMATION OF THE SHORT-LIVED RADIONUCLIDE ³⁶ Cl IN THE PROTOPLANETARY DISK DURING LATE-STAGE IRRADIATION OF A VOLATILE-RICH RESERVOIR. Astrophysical Journal Letters, 2011, 731, L28.	3.0	31
80	Isotopes to ice: Constraining provenance of glacial deposits and ice centers in west-central Gondwana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 531, 108745.	1.0	31
81	⁵³Mnâ€⁵³Cr dating of aqueously formed carbonates in the CM2 lithology of the Sutter's Mill carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 2104-2117.	0.7	30
82	Evidence for a multilayered internal structure of the chondritic acapulcoite-lodranite parent asteroid. Geochimica Et Cosmochimica Acta, 2018, 242, 82-101.	1.6	30
83	The SariÃ§iÃ§ek howardite fall in Turkey: Source crater of <scp>HED</scp> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	0.7	30
84	Origin of paleovalleys on the Rio Grande do Sul Shield (Brazil): Implications for the extent of late Paleozoic glaciation in west-central Gondwana. Palaeogeography, Palaeoclimatology, Palaeoecology, 2019, 531, 108738.	1.0	30
85	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. Contributions To Mineralogy and Petrology, 2016, 171, 1.	1.2	29
86	Toward refining the onset age of Sturtian glaciation in South China. Precambrian Research, 2020, 338, 105555.	1.2	29
87	A trio of laser ablation in concert with two ICPâ€MSs: Simultaneous, pulseâ€byâ€pulse determination of Uâ€Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. Geochemistry, Geophysics, Geosystems, 2012, 13, .	1.0	28
88	Mass-Dependent and Mass-Independent Isotope Effects of Zinc in a Redox Reaction. Journal of Physical Chemistry A, 2009, 113, 12225-12232.	1.1	27
89	Branching Ratio Measurements for Vacuum Ultraviolet Photodissociation of ¹²C¹⁶O. Journal of Physical Chemistry A, 2013, 117, 6185-6195.	1.1	27
90	U-Pb, Rb-Sr and Ar-Ar systematics of the ungrouped achondrites Northwest Africa 6704 and Northwest Africa 6693. Geochimica Et Cosmochimica Acta, 2019, 245, 628-642.	1.6	27

#	Article	IF	Citations
91	Communication: Branching ratio measurements in the predissociation of 12C16O by time-slice velocity-map ion imaging in the vacuum ultraviolet region. Journal of Chemical Physics, 2011, 135, 221101.	1.2	25
92	A novel molecular index for secondary oil migration distance. Scientific Reports, 2013, 3, 2487.	1.6	24
93	High spatial resolution in situ Uâ€“Pb dating using laser ablation multiple ion counting inductively coupled plasma mass spectrometry (LA-MIC-ICP-MS). Journal of Analytical Atomic Spectrometry, 2017, 32, 975-986.	1.6	24
94	Reassessing the origin and chronology of the unique achondrite Asuka 881394: Implications for distribution of 26Al in the early Solar System. Geochimica Et Cosmochimica Acta, 2019, 244, 478-501.	1.6	24
95	Toward understanding early Earth evolution: Prescription for approach from terrestrial noble gas and light element records in lunar soils. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 17654-17658.	3.3	23
96	High precision analysis of Mg isotopic composition in olivine by laser ablation MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2011, 26, 1773.	1.6	23
97	Branching ratio measurements of the predissociation of 12C16O by time-slice velocity-map ion imaging in the energy region from 108â€‰000 to 110â€‰500 cmâ^'1. Journal of Chemical Physics, 2012, 137, 034305.	1.2	23
98	High-latitude ice and climate control on sediment supply across SW Gondwana during the late Carboniferous and early Permian. Bulletin of the Geological Society of America, 2021, 133, 2113-2124.	1.6	23
99	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. Journal of Chemical Physics, 2010, 133, 054310.	1.2	22
100	Unique achondrite Northwest Africa 11042: Exploring the melting and breakup of the L chondrite parent body. Meteoritics and Planetary Science, 2020, 55, 622-648.	0.7	22
101	Detrital heavy minerals, white mica and zircon geochronology in the Ordovician South Mayo Trough, western Ireland: signatures of the Laurentian basement and the Grampian orogeny. Journal of the Geological Society, 2010, 167, 1147-1160.	0.9	21
102	The secondary history of Sutter's Mill CM carbonaceous chondrite based on water abundance and the structure of its organic matter from two clasts. Meteoritics and Planetary Science, 2014, 49, 2064-2073.	0.7	21
103	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	0.7	21
104	The impact and recovery of asteroid 2018 LA. Meteoritics and Planetary Science, 2021, 56, 844-893.	0.7	21
105	On the mean oxygen isotope composition of the Solar System. Icarus, 2007, 186, 562-570.	1.1	20
106	Bunburra Rockhole: Exploring the geology of a new differentiated asteroid. Geochimica Et Cosmochimica Acta, 2017, 208, 145-159.	1.6	19
107	Crustal evolution of the South Mayo Trough, western Ireland, based on Uâ€“Pb ages and Hfâ€“O isotopes in detrital zircons. Journal of the Geological Society, 2012, 169, 681-689.	0.9	18
108	Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC⁺). Physical Chemistry Chemical Physics, 2015, 17, 9780-9793.	1.3	18

#	Article	IF	Citations
109	Lead concentrations and isotopic compositions in the Western Philippine Sea. Marine Chemistry, 2017, 189, 10-16.	0.9	18
110	Carboniferous glaciotectonized sediments in the southernmost ParanÃ¡ Basin, Brazil: Ice marginal dynamics and paleoclimate indicators. Sedimentary Geology, 2019, 389, 54-72.	1.0	18
111	Trace-element composition of Fe-rich residual liquids formed by fractional crystallization: Implications for the Hadean magma ocean. Geochimica Et Cosmochimica Acta, 2007, 71, 3601-3615.	1.6	17
112	Rotationally resolved state-to-state photoionization and photoelectron study of titanium carbide and its cation (TiC/TiC+). Journal of Chemical Physics, 2014, 141, 144307.	1.2	17
113	The role of mantleâ€derived magmas in the isotopic evolution of <scp>Y</scp>ellowstone's magmatic system. Geochemistry, Geophysics, Geosystems, 2017, 18, 1350-1365.	1.0	17
114	Branching Ratios in Vacuum Ultraviolet Photodissociation of CO and N₂: Implications for Oxygen and Nitrogen Isotopic Compositions of the Solar Nebula. Astrophysical Journal, 2017, 850, 48.	1.6	17
115	Missing Lead and High 3He/4He in Ancient Sulfides Associated with Continental Crust Formation. Scientific Reports, 2014, 4, 5314.	1.6	16
116	Bayesian nitrate source apportionment to individual groundwater wells in the Central Valley by use of elemental and isotopic tracers. Water Resources Research, 2016, 52, 5577-5597.	1.7	16
117	Branching Ratio Measurements of the Predissociation of ¹²C¹⁶O by Time-Slice Velocity-Map Ion Imaging in the Energy Region from 106â€¯250 to 107â€¯800 cm^{â€“1}. Journal of Physical Chemistry A, 2018, 122, 8136-8142.	1.1	16
118	A novel sample cell for reducing the â€œPosition Effectâ€•in laser ablation MC-ICP-MS isotopic measurements. Journal of Analytical Atomic Spectrometry, 2018, 33, 1571-1578.	1.6	16
119	Feedstocks of the Terrestrial Planets. Space Science Reviews, 2018, 214, 1.	3.7	15
120	Absolute dating of the L-chondrite parent body breakup with high-precision Uâ€“Pb zircon geochronology from Ordovician limestone. Earth and Planetary Science Letters, 2020, 547, 116442.	1.8	14
121	Comment on â€œExperimental Test of Self-Shielding in Vacuum Ultraviolet Photodissociation of COâ€• Science, 2009, 324, 1516-1516.	6.0	12
122	Chromium isotopic systematics of the Sutter's Mill carbonaceous chondrite: Implications for isotopic heterogeneities of the early solar system. Meteoritics and Planetary Science, 2014, 49, 2118-2127.	0.7	12
123	Rapid effects of terrestrial alteration on highly siderophile elements in the Sutter's Mill meteorite. Meteoritics and Planetary Science, 2018, 53, 1500-1506.	0.7	12
124	Strong Isotope-dependent Photodissociation Branching Ratios of N₂ and Their Potential Implications for the ¹⁴N/¹⁵N Isotope Fractionation in Titan's Atmosphere. Astrophysical Journal, 2021, 923, 196.	1.6	12
125	Chromium Isotopic Evidence for Mixing of NC and CC Reservoirs in Polymict Ureilites: Implications for Dynamical Models of the Early Solar System. Planetary Science Journal, 2021, 2, 13.	1.5	11
126	187Os-186Os and 187Os-188Os method of dating: An introduction. Geochimica Et Cosmochimica Acta, 1993, 57, 4119-4128.	1.6	10

#	Article	IF	Citations
127	Precise Determination of the Lutetium Isotopic Composition in Rocks and Minerals Using Multicollector ICPMS. Analytical Chemistry, 2013, 85, 11258-11264.	3.2	10
128	Magnesium partitioning between silicate melt and liquid iron using first-principles molecular dynamics: Implications for the early thermal history of the Earth's core. Earth and Planetary Science Letters, 2020, 531, 115934.	1.8	10
129	Exploring the efficiency of stepwise dissolution in removal of stubborn non-radiogenic Pb in chondrule U-Pb dating. Geochimica Et Cosmochimica Acta, 2020, 277, 1-20.	1.6	10
130	Orbit and origin of the <scp>LL</scp>7 chondrite Dishchii'bikoh (Arizona). Meteoritics and Planetary Science, 2020, 55, 535-557.	0.7	10
131	Heterogeneous distribution of 60Fe in the early solar nebula: Achondrite evidence. Earth, Planets and Space, 2006, 58, 1079-1086.	0.9	9
132	Mass-Independent Isotope Fractionation in the Chemical Exchange Reaction of Chromium (III) Using a Crown Ether. Journal of Nuclear Science and Technology, 2008, 45, 6-9.	0.7	9
133	A HIGH-RESOLUTION PHOTOIONIZATION AND PHOTOELECTRON STUDY OF⁵⁸Ni USING A VACUUM ULTRAVIOLET LASER. Astrophysical Journal, 2012, 747, 20.	1.6	9
134	Presolar grains in the <scp>CM</scp>2 chondrite Sutter's Mill. Meteoritics and Planetary Science, 2014, 49, 2038-2046.	0.7	9
135	NanoSIMS measurements of trace elements at the micron scale interface between zircon and silicate glass. Journal of Analytical Atomic Spectrometry, 2016, 31, 2399-2409.	1.6	9
136	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	0.7	9
137	Refining the termination age of the Cryogenian Sturtian glaciation in South China. Palaeoworld, 2020, 29, 462-468.	0.5	9
138	Common feedstocks of late accretion for the terrestrial planets. Nature Astronomy, 2021, 5, 1286-1296.	4.2	9
139	Does Uâ€“Pb date Earth's core formation?. Nature, 2006, 444, E1-E1.	13.7	8
140	The role of phosphates for the Luâ€“Hf chronology of meteorites. Earth and Planetary Science Letters, 2017, 473, 52-61.	1.8	8
141	Olivine-rich achondrites from Vesta and the missing mantle problem. Nature Communications, 2021, 12, 5443.	5.8	8
142	The exceptionally preserved Early Cretaceous â€œMoqi Faunaâ€•from eastern Inner Mongolia, China, and its age relationship with the Jehol Biota. Palaeogeography, Palaeoclimatology, Palaeoecology, 2022, 589, 110824.	1.0	8
143	Unique angrite-like fragments in a CH3 chondrite reveal a new basaltic planetesimal. Geochimica Et Cosmochimica Acta, 2020, 275, 48-63.	1.6	7
144	An internal normalization technique for unmixing total-spiked mixtures with application to MC-ICP-MS. Computers and Geosciences, 2001, 27, 577-581.	2.0	6

#	Article	IF	Citations
145	PLANETARY SCIENCE: Predicting the Sun's Oxygen Isotope Composition. Science, 2004, 305, 1729-1730.	6.0	6
146	THE LU ISOTOPIC COMPOSITION OF ACHONDRITES: CLOSING THE CASE FOR ACCELERATED DECAY OF ¹⁷⁶ LU. Astrophysical Journal Letters, 2015, 812, L3.	3.0	6
147	Tracking Physicochemical Conditions of Evaporite Deposition by Stable Magnesium Isotopes: A Case Study of Late Permian Langbeinites. Geochemistry, Geophysics, Geosystems, 2018, 19, 2615-2630.	1.0	6
148	Matrix effects and improved calibration procedures for SIMS titanite U Pb dating. Chemical Geology, 2022, 593, 120755.	1.4	6
149	Discovery of non-radiogenic tungsten isotopic anomalies in the Allende CV3 chondrite. Geochemical Journal, 2009, 43, 395-402.	0.5	5
150	Uâ€Pb and Pbâ€Pb apatite ages for Antarctic achondrite Graves Nunataks 06129. Meteoritics and Planetary Science, 2018, 53, 448-466.	0.7	5
151	Provenance of late Paleozoic glacial/post-glacial deposits in the eastern Chaco-ParanÃ¡ Basin, Uruguay and southernmost ParanÃ¡ Basin, Brazil. Journal of South American Earth Sciences, 2021, 106, 102989.	0.6	5
152	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. Meteoritics and Planetary Science, 2020, 55, 2341-2359.	0.7	4
153	Assessing Sedimentary Detrital Pb Isotopes as a Dust Tracer in the Pacific Ocean. Paleoceanography and Paleoclimatology, 2021, 36, e2020PA004144.	1.3	4
154	Reply to comment on â€œGeochronology of the Martian meteorite Zagami revealed by Uâ€“Pb ion probe dating of accessory mineralsâ€• Earth and Planetary Science Letters, 2014, 385, 218-220.	1.8	2
155	Relative sorption coefficient: Key to tracing petroleum migration and other subsurface fluids. Scientific Reports, 2019, 9, 16845.	1.6	2
156	Meteorites found on Misfits Flat dry lake, Nevada. Meteoritics and Planetary Science, 2016, 51, 757-772.	0.7	1
157	The â€œDoctorâ€•title: Respect or confusion?. Physics Today, 2012, 65, 11-11.	0.3	0
158	Citation for presentation of the 2009 F.W. Clarke Award to Cin-Ty Lee. Geochimica Et Cosmochimica Acta, 2012, 89, 343-345.	1.6	0
159	An Acid-Based Method for Highly Effective Baddeleyite Separation from Gram-Sized Mafic Rocks. ACS Omega, 2022, 7, 3634-3638.	1.6	0