

Qing-Zhu Yin

List of Publications by Year in descending order

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159
papers

9,572
citations

36271

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42364

92
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165
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165
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165
times ranked

6278
citing authors

#	ARTICLE	IF	CITATIONS
1	An Acid-Based Method for Highly Effective Baddeleyite Separation from Gram-Sized Mafic Rocks. <i>ACS Omega</i> , 2022, 7, 3634-3638.	1.6	0
2	Matrix effects and improved calibration procedures for SIMS titanite U Pb dating. <i>Chemical Geology</i> , 2022, 593, 120755.	1.4	6
3	The exceptionally preserved Early Cretaceous "Moqi Fauna" from eastern Inner Mongolia, China, and its age relationship with the Jehol Biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 589, 110824.	1.0	8
4	Provenance of late Paleozoic glacial/post-glacial deposits in the eastern Chaco-Paraná Basin, Uruguay and southernmost Paraná Basin, Brazil. <i>Journal of South American Earth Sciences</i> , 2021, 106, 102989.	0.6	5
5	Chromium Isotopic Evidence for Mixing of NC and CC Reservoirs in Polymict Ureilites: Implications for Dynamical Models of the Early Solar System. <i>Planetary Science Journal</i> , 2021, 2, 13.	1.5	11
6	High-latitude ice and climate control on sediment supply across SW Gondwana during the late Carboniferous and early Permian. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 2113-2124.	1.6	23
7	High-precision geochronological constraints on the duration of "Dinosaur Pompeii" and the Yixian Formation. <i>National Science Review</i> , 2021, 8, nwab063.	4.6	34
8	The impact and recovery of asteroid 2018 LA. <i>Meteoritics and Planetary Science</i> , 2021, 56, 844-893.	0.7	21
9	Assessing Sedimentary Detrital Pb Isotopes as a Dust Tracer in the Pacific Ocean. <i>Paleoceanography and Paleoclimatology</i> , 2021, 36, e2020PA004144.	1.3	4
10	Olivine-rich achondrites from Vesta and the missing mantle problem. <i>Nature Communications</i> , 2021, 12, 5443.	5.8	8
11	Common feedstocks of late accretion for the terrestrial planets. <i>Nature Astronomy</i> , 2021, 5, 1286-1296.	4.2	9
12	Strong Isotope-dependent Photodissociation Branching Ratios of N_2 and Their Potential Implications for the $^{14}N/^{15}N$ Isotope Fractionation in Titan's Atmosphere. <i>Astrophysical Journal</i> , 2021, 923, 196.	1.6	12
13	Magnesium partitioning between silicate melt and liquid iron using first-principles molecular dynamics: Implications for the early thermal history of the Earth's core. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115934.	1.8	10
14	Toward refining the onset age of Sturtian glaciation in South China. <i>Precambrian Research</i> , 2020, 338, 105555.	1.2	29
15	Absolute dating of the L-chondrite parent body breakup with high-precision U-Pb zircon geochronology from Ordovician limestone. <i>Earth and Planetary Science Letters</i> , 2020, 547, 116442.	1.8	14
16	The fall, recovery, classification, and initial characterization of the Hamburg, Michigan H4 chondrite. <i>Meteoritics and Planetary Science</i> , 2020, 55, 2341-2359.	0.7	4
17	Chondrules reveal large-scale outward transport of inner Solar System materials in the protoplanetary disk. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 23426-23435.	3.3	55
18	Exploring the efficiency of stepwise dissolution in removal of stubborn non-radiogenic Pb in chondrule U-Pb dating. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 1-20.	1.6	10

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19	Orbit and origin of the <sc>LL</sc>7 chondrite Dishchii' bikoh (Arizona). Meteoritics and Planetary Science, 2020, 55, 535-557.	0.7	10
20	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
21	Unique angrite-like fragments in a CH3 chondrite reveal a new basaltic planetesimal. Geochimica Et Cosmochimica Acta, 2020, 275, 48-63.	1.6	7
22	Refining the termination age of the Cryogenian Sturtian glaciation in South China. Palaeoworld, 2020, 29, 462-468.	0.5	9
23	The origin of the unique achondrite Northwest Africa 6704: Constraints from petrology, chemistry and Re-Os, O and Ti isotope systematics. Geochimica Et Cosmochimica Acta, 2019, 245, 597-627.	1.6	41
24	Reconstructing the late-accretion history of the Moon. Nature, 2019, 571, 226-229.	13.7	42
25	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
26	The Creston, California, meteorite fall and the origin of L chondrites. Meteoritics and Planetary Science, 2019, 54, 699-720.	0.7	21
27	Experimental determination of Zn isotope fractionation during evaporative loss at extreme temperatures. Geochimica Et Cosmochimica Acta, 2019, 259, 391-411.	1.6	34
28	Carboniferous glaciotectionized sediments in the southernmost Paraná Basin, Brazil: Ice marginal dynamics and paleoclimate indicators. Sedimentary Geology, 2019, 389, 54-72.	1.0	18
29	The CM carbonaceous chondrite regolith Diepenveen. Meteoritics and Planetary Science, 2019, 54, 1431-1461.	0.7	9
30	Calibrating the terminations of Cryogenian global glaciations. Geology, 2019, 47, 251-254.	2.0	125
31	The SariÅ§ek howardite fall in Turkey: Source crater of <sc>HED</sc> meteorites on Vesta and impact risk of Vestoids. Meteoritics and Planetary Science, 2019, 54, 953-1008.	0.7	30
32	Relative sorption coefficient: Key to tracing petroleum migration and other subsurface fluids. Scientific Reports, 2019, 9, 16845.	1.6	2
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	Reassessing the origin and chronology of the unique achondrite Asuka 881394: Implications for distribution of ²⁶ Al in the early Solar System. Geochimica Et Cosmochimica Acta, 2019, 244, 478-501.	1.6	24
35	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
36	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

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37	Isotopes to ice: Constraining provenance of glacial deposits and ice centers in west-central Gondwana. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2019, 531, 108745.	1.0	31
38	Rapid effects of terrestrial alteration on highly siderophile elements in the Sutter's Mill meteorite. <i>Meteoritics and Planetary Science</i> , 2018, 53, 1500-1506.	0.7	12
39	U-Pb and Pb-Pb apatite ages for Antarctic achondrite Graves Nunataks 06129. <i>Meteoritics and Planetary Science</i> , 2018, 53, 448-466.	0.7	5
40	Deep mantle roots and continental emergence: implications for whole-Earth elemental cycling, long-term climate, and the Cambrian explosion. <i>International Geology Review</i> , 2018, 60, 431-448.	1.1	58
41	A new stratigraphic framework built on U-Pb single-zircon TIMS ages and implications for the timing of the penultimate icehouse (Paraná Basin, Brazil). <i>Bulletin of the Geological Society of America</i> , 2018, 130, 848-858.	1.6	94
42	Feedstocks of the Terrestrial Planets. <i>Space Science Reviews</i> , 2018, 214, 1.	3.7	15
43	Branching Ratio Measurements of the Predissociation of $^{12}\text{C}^{16}\text{O}$ by Time-Slice Velocity-Map Ion Imaging in the Energy Region from 106e^{-250} to 107e^{-800} cm $^{-1}$. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8136-8142.	1.1	16
44	Evidence for a multilayered internal structure of the chondritic acapulcoite-lodranite parent asteroid. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 242, 82-101.	1.6	30
45	Tracking Physicochemical Conditions of Evaporite Deposition by Stable Magnesium Isotopes: A Case Study of Late Permian Langbeinites. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 2615-2630.	1.0	6
46	A novel sample cell for reducing the Position Effect in laser ablation MC-ICP-MS isotopic measurements. <i>Journal of Analytical Atomic Spectrometry</i> , 2018, 33, 1571-1578.	1.6	16
47	Distribution of ^{26}Al in the CR chondrite chondrule-forming region of the protoplanetary disk. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 201, 275-302.	1.6	100
48	Lead concentrations and isotopic compositions in the Western Philippine Sea. <i>Marine Chemistry</i> , 2017, 189, 10-16.	0.9	18
49	Previously unknown class of metalorganic compounds revealed in meteorites. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 2819-2824.	3.3	47
50	The role of mantle-derived magmas in the isotopic evolution of Yellowstone's magmatic system. <i>Geochemistry, Geophysics, Geosystems</i> , 2017, 18, 1350-1365.	1.0	17
51	Bunburra Rockhole: Exploring the geology of a new differentiated asteroid. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 208, 145-159.	1.6	19
52	High spatial resolution in situ U-Pb dating using laser ablation multiple ion counting inductively coupled plasma mass spectrometry (LA-MIC-ICP-MS). <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 975-986.	1.6	24
53	Petrogenesis and provenance of ungrouped achondrite Northwest Africa 7325 from petrology, trace elements, oxygen, chromium and titanium isotopes, and mid-IR spectroscopy. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 203, 381-403.	1.6	65
54	Differentiation and magmatic activity in Vesta evidenced by ^{26}Al - ^{26}Mg dating in eucrites and diogenites. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 73-97.	1.6	32

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55	The Northwest Africa 8159 martian meteorite: Expanding the martian sample suite to the early Amazonian. <i>Geochimica Et Cosmochimica Acta</i> , 2017, 218, 1-26.	1.6	58
56	The role of phosphates for the Lu–Hf chronology of meteorites. <i>Earth and Planetary Science Letters</i> , 2017, 473, 52-61.	1.8	8
57	Branching Ratios in Vacuum Ultraviolet Photodissociation of CO and N ₂ : Implications for Oxygen and Nitrogen Isotopic Compositions of the Solar Nebula. <i>Astrophysical Journal</i> , 2017, 850, 48.	1.6	17
58	A new type of solar-system material recovered from Ordovician marine limestone. <i>Nature Communications</i> , 2016, 7, ncomms11851.	5.8	84
59	U–Pb and Al–Mg systematics of the ungrouped achondrite Northwest Africa 7325. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 183, 31-45.	1.6	53
60	Bayesian nitrate source apportionment to individual groundwater wells in the Central Valley by use of elemental and isotopic tracers. <i>Water Resources Research</i> , 2016, 52, 5577-5597.	1.7	16
61	NanoSIMS measurements of trace elements at the micron scale interface between zircon and silicate glass. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 2399-2409.	1.6	9
62	Meteorites found on Misfits Flat dry lake, Nevada. <i>Meteoritics and Planetary Science</i> , 2016, 51, 757-772.	0.7	1
63	Changes in magma storage conditions following caldera collapse at Okataina Volcanic Center, New Zealand. <i>Contributions To Mineralogy and Petrology</i> , 2016, 171, 1.	1.2	29
64	Interlaboratory comparison of magnesium isotopic compositions of 12 felsic to ultramafic igneous rock standards analyzed by MC-ICPMS . <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 3197-3209.	1.0	34
65	Rotationally resolved state-to-state photoionization and the photoelectron study of vanadium monocarbide and its cations (VC/VC^+). <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 9780-9793.	1.3	18
66	THE LU ISOTOPIC COMPOSITION OF ACHONDRITES: CLOSING THE CASE FOR ACCELERATED DECAY OF ^{176}Lu . <i>Astrophysical Journal Letters</i> , 2015, 812, L3.	3.0	6
67	Deciphering the physical mechanism of the topography effect for oxygen isotope measurements using a Cameca IMS-1280 SIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 950-956.	1.6	95
68	Towards higher precision SIMS U–Pb zircon geochronology via dynamic multi-collector analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 979-985.	1.6	33
69	Lithium isotope fractionation during uptake by gibbsite. <i>Geochimica Et Cosmochimica Acta</i> , 2015, 168, 133-150.	1.6	67
70	Rotationally resolved state-to-state photoionization and photoelectron study of titanium carbide and its cation (TiC/TiC^+). <i>Journal of Chemical Physics</i> , 2014, 141, 144307.	1.2	17
71	Presolar grains in the CM_2 chondrite Sutter's Mill. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2038-2046.	0.7	9
72	The secondary history of Sutter's Mill CM carbonaceous chondrite based on water abundance and the structure of its organic matter from two clasts. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2064-2073.	0.7	21

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73	The amino acid composition of the Sutter's Mill <sc>CM</sc>2 carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 2074-2086.	0.7	57
74	⁵³ Mn- ⁵³ Cr 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
75	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
76	Mineralogy and petrography of C asteroid regolith: The Sutter's Mill <sc>CM</sc> meteorite. Meteoritics and Planetary Science, 2014, 49, 1997-2016.	0.7	57
77	Reply to comment on "Geochronology of the Martian meteorite Zagami revealed by U-Pb ion probe dating of accessory minerals". Earth and Planetary Science Letters, 2014, 385, 218-220.	1.8	2
78	Records of the Moon-forming impact and the 470 Ma disruption of the L chondrite parent body in the asteroid belt from U-Pb apatite ages of Novato (L6). Meteoritics and Planetary Science, 2014, 49, 1426-1439.	0.7	36
79	Evidence for direct molecular oxygen production in CO ₂ photodissociation. Science, 2014, 346, 61-64.	6.0	103
80	Investigating the behaviour of Mg isotopes during the formation of clay minerals. Geochimica Et Cosmochimica Acta, 2014, 128, 178-194.	1.6	145
81	Fall, recovery, and characterization of the Novato L6 chondrite breccia. Meteoritics and Planetary Science, 2014, 49, 1388-1425.	0.7	59
82	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
83	Missing Lead and High 3He/4He in Ancient Sulfides Associated with Continental Crust Formation. Scientific Reports, 2014, 4, 5314.	1.6	16
84	Magma mixing and the generation of isotopically juvenile silicic magma at Yellowstone caldera inferred from coupling ²³⁸ U- ²³⁰ Th 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
85	Magnesium isotope systematics of endoskarns: Implications for wallrock reaction in magma chambers. Chemical Geology, 2013, 356, 209-214.	1.4	32
86	Chelyabinsk Airburst, Damage Assessment, Meteorite Recovery, and Characterization. Science, 2013, 342, 1069-1073.	6.0	487
87	Precise Determination of the Lutetium Isotopic Composition in Rocks and Minerals Using Multicollector ICPMS. Analytical Chemistry, 2013, 85, 11258-11264.	3.2	10
88	Asteroidal impacts and the origin of terrestrial and lunar volatiles. Icarus, 2013, 222, 44-52.	1.1	99
89	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
90	SIMS Pb-Pb and U-Pb age determination of eucrite zircons at $5\frac{1}{4}$ m scale and the first 50Ma of the thermal history of Vesta. Geochimica Et Cosmochimica Acta, 2013, 110, 152-175.	1.6	74

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91	Stagnant-lid tectonics in early Earth revealed by ^{142}Nd variations in late Archean rocks. <i>Earth and Planetary Science Letters</i> , 2013, 373, 83-92.	1.8	167
92	Geochronology of the Martian meteorite Zagami revealed by U^{235}Pb ion probe dating of accessory minerals. <i>Earth and Planetary Science Letters</i> , 2013, 374, 156-163.	1.8	43
93	On the origin of hot metasedimentary quartzites in the lower crust of continental arcs. <i>Earth and Planetary Science Letters</i> , 2013, 361, 120-133.	1.8	36
94	Branching Ratio Measurements for Vacuum Ultraviolet Photodissociation of $^{12}\text{C}^{16}\text{O}$. <i>Journal of Physical Chemistry A</i> , 2013, 117, 6185-6195.	1.1	27
95	A novel molecular index for secondary oil migration distance. <i>Scientific Reports</i> , 2013, 3, 2487.	1.6	24
96	^{26}Al - ^{26}Mg isotope systematics of the first solids in the early solar system. <i>Meteoritics and Planetary Science</i> , 2013, 48, 1383-1400.	0.7	137
97	Branching ratio measurements of the predissociation of $^{12}\text{C}^{16}\text{O}$ by time-slice velocity-map ion imaging in the energy region from 108 eV to 110 eV. <i>Journal of Chemical Physics</i> , 2012, 137, 034305.	1.2	23
98	THE LAST STAGES OF TERRESTRIAL PLANET FORMATION: DYNAMICAL FRICTION AND THE LATE VENEER. <i>Astrophysical Journal</i> , 2012, 752, 8.	1.6	85
99	Carbon and other light element contents in the Earth's core based on first-principles molecular dynamics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 19579-19583.	3.3	77
100	The "Doctor" title: Respect or confusion?. <i>Physics Today</i> , 2012, 65, 11-11.	0.3	0
101	THE SUPERNOVA TRIGGERED FORMATION AND ENRICHMENT OF OUR SOLAR SYSTEM. <i>Astrophysical Journal</i> , 2012, 745, 22.	1.6	73
102	Copper Systematics in Arc Magmas and Implications for Crust-Mantle Differentiation. <i>Science</i> , 2012, 336, 64-68.	6.0	480
103	Crustal evolution of the South Mayo Trough, western Ireland, based on U^{235}Pb ages and Hf^{176}O isotopes in detrital zircons. <i>Journal of the Geological Society</i> , 2012, 169, 681-689.	0.9	18
104	Radar-Enabled Recovery of the Sutter's Mill Meteorite, a Carbonaceous Chondrite Regolith Breccia. <i>Science</i> , 2012, 338, 1583-1587.	6.0	191
105	Geochemical Constraints on Adakites of Different Origins and Copper Mineralization. <i>Journal of Geology</i> , 2012, 120, 105-120.	0.7	135
106	A HIGH-RESOLUTION PHOTOIONIZATION AND PHOTOELECTRON STUDY OF ^{58}Ni USING A VACUUM ULTRAVIOLET LASER. <i>Astrophysical Journal</i> , 2012, 747, 20.	1.6	9
107	Citation for presentation of the 2009 F.W. Clarke Award to Cin-Ty Lee. <i>Geochimica Et Cosmochimica Acta</i> , 2012, 89, 343-345.	1.6	0
108	Mg isotopic heterogeneity, Al^{26}Mg isochrons, and canonical $^{26}\text{Al}/^{27}\text{Al}$ in the early solar system. <i>Meteoritics and Planetary Science</i> , 2012, 47, 1980-1997.	0.7	66

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109	A trio of laser ablation in concert with two ICP-MSs: Simultaneous, pulse-by-pulse determination of U-Pb discordant ages and a single spot Hf isotope ratio analysis in complex zircons from petrographic thin sections. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	1.0	28
110	In-situ SIMS U-Pb dating of Phanerozoic apatite with low U and high common Pb. <i>Gondwana Research</i> , 2012, 21, 745-756.	3.0	99
111	Precise U-Pb zircon dating at a scale of ≤ 5 micron by the CAMECA 1280 SIMS using a Gaussian illumination probe. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 845.	1.6	57
112	High precision analysis of Mg isotopic composition in olivine by laser ablation MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1773.	1.6	23
113	The lunar magma ocean: Reconciling the solidification process with lunar petrology and geochronology. <i>Earth and Planetary Science Letters</i> , 2011, 304, 326-336.	1.8	376
114	FORMATION OF THE SHORT-LIVED RADIONUCLIDE ^{36}Cl IN THE PROTOPLANETARY DISK DURING LATE-STAGE IRRADIATION OF A VOLATILE-RICH RESERVOIR. <i>Astrophysical Journal Letters</i> , 2011, 731, L28.	3.0	31
115	Communication: Branching ratio measurements in the predissociation of $^{12}\text{C}^{16}\text{O}$ by time-slice velocity-map ion imaging in the vacuum ultraviolet region. <i>Journal of Chemical Physics</i> , 2011, 135, 221101.	1.2	25
116	Isotopic Evidence of Cr Partitioning into Earth's Core. <i>Science</i> , 2011, 331, 1417-1420.	6.0	92
117	Detrital heavy minerals, white mica and zircon geochronology in the Ordovician South Mayo Trough, western Ireland: signatures of the Laurentian basement and the Crampian orogeny. <i>Journal of the Geological Society</i> , 2010, 167, 1147-1160.	0.9	21
118	Discovery, mineral paragenesis, and origin of wadalite in a meteorite. <i>American Mineralogist</i> , 2010, 95, 440-448.	0.9	38
119	Coupled ^{182}W - ^{142}Nd constraint for early Earth differentiation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 10810-10814.	3.3	36
120	Rovibronically selected and resolved two-color laser photoionization and photoelectron study of nickel carbide cation. <i>Journal of Chemical Physics</i> , 2010, 133, 054310.	1.2	22
121	Isotopic fractionation of $\text{Mg}^{2+}(\text{aq})$, $\text{Ca}^{2+}(\text{aq})$, and $\text{Fe}^{2+}(\text{aq})$ with carbonate minerals. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 6301-6323.	1.6	190
122	Volatilization induced by impacts recorded in Zn isotope composition of ureilites. <i>Chemical Geology</i> , 2010, 276, 374-379.	1.4	46
123	The Mg isotopic systematics of granitoids in continental arcs and implications for the role of chemical weathering in crust formation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 20652-20657.	3.3	112
124	Comment on "Experimental Test of Self-Shielding in Vacuum Ultraviolet Photodissociation of CO_2 ". <i>Science</i> , 2009, 324, 1516-1516.	6.0	12
125	Iron isotope fractionation in the Earth's lower mantle. <i>Nature Geoscience</i> , 2009, 2, 514-518.	5.4	45
126	Early martian mantle overturn inferred from isotopic composition of nakhlite meteorites. <i>Nature Geoscience</i> , 2009, 2, 548-552.	5.4	100

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127	Mass-Dependent and Mass-Independent Isotope Effects of Zinc in a Redox Reaction. <i>Journal of Physical Chemistry A</i> , 2009, 113, 12225-12232.	1.1	27
128	Isotopic fractionation of zinc in tektites. <i>Earth and Planetary Science Letters</i> , 2009, 277, 482-489.	1.8	83
129	Origin and chronology of chondritic components: A review. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 4963-4997.	1.6	171
130	Hf-W chronology of the accretion and early evolution of asteroids and terrestrial planets. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 5150-5188.	1.6	521
131	Discovery of non-radiogenic tungsten isotopic anomalies in the Allende CV3 chondrite. <i>Geochemical Journal</i> , 2009, 43, 395-402.	0.5	5
132	Martian mantle mineralogy investigated by the ^{176}Lu - ^{176}Hf and ^{147}Sm - ^{143}Nd systematics of shergottites. <i>Earth and Planetary Science Letters</i> , 2008, 269, 186-199.	1.8	89
133	^{26}Al - ^{26}Mg and ^{207}Pb - ^{206}Pb systematics of Allende CAIs: Canonical solar initial $^{26}\text{Al}/^{27}\text{Al}$ ratio reinstated. <i>Earth and Planetary Science Letters</i> , 2008, 272, 353-364.	1.8	347
134	Magnesium-Isotope Fractionation During Plant Growth. <i>Environmental Science & Technology</i> , 2008, 42, 7831-7836.	4.6	123
135	Mass-Independent Isotope Fractionation in the Chemical Exchange Reaction of Chromium (III) Using a Crown Ether. <i>Journal of Nuclear Science and Technology</i> , 2008, 45, 6-9.	0.7	9
136	Toward understanding early Earth evolution: Prescription for approach from terrestrial noble gas and light element records in lunar soils. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 17654-17658.	3.3	23
137	Dating the First Stage of Planet Formation. <i>Astrophysical Journal</i> , 2007, 671, L181-L183.	1.6	45
138	Toward Consistent Chronology in the Early Solar System: High-Resolution ^{53}Cr - ^{53}Mn Chronometry for Chondrules. <i>Astrophysical Journal</i> , 2007, 662, L43-L46.	1.6	32
139	Trace-element composition of Fe-rich residual liquids formed by fractional crystallization: Implications for the Hadean magma ocean. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 3601-3615.	1.6	17
140	Magnesium Isotopic Equilibrium in Chlorophylls. <i>Journal of the American Chemical Society</i> , 2007, 129, 8690-8691.	6.6	65
141	Otolith Microchemistry Provides Information Complementary to Microsatellite DNA for a Migratory Fish. <i>Transactions of the American Fisheries Society</i> , 2007, 136, 469-476.	0.6	47
142	Micromagnetic coercivity distributions and interactions in chondrules with implications for paleointensities of the early solar system. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	43
143	Coupled ^{142}Nd - ^{143}Nd evidence for a protracted magma ocean in Mars. <i>Nature</i> , 2007, 450, 525-528.	13.7	185
144	On the mean oxygen isotope composition of the Solar System. <i>Icarus</i> , 2007, 186, 562-570.	1.1	20

#	ARTICLE	IF	CITATIONS
145	Heterogeneous distribution of ^{60}Fe in the early solar nebula: Achondrite evidence. <i>Earth, Planets and Space</i> , 2006, 58, 1079-1086.	0.9	9
146	An experimental study of magnesium-isotope fractionation in chlorophyll-a photosynthesis. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 4072-4079.	1.6	113
147	Signatures of the ϵ -Process in Presolar Silicon Carbide Grains: Barium through Hafnium. <i>Astrophysical Journal</i> , 2006, 647, 676-684.	1.6	44
148	Does ^{206}Pb date Earth's core formation?. <i>Nature</i> , 2006, 444, E1-E1.	13.7	8
149	Retrospective determination of natal habitats for an estuarine fish with otolith strontium isotope ratios. <i>Marine and Freshwater Research</i> , 2005, 56, 655.	0.7	42
150	Slab devolatilization and Os and Pb mobility in the mantle wedge of the Kamchatka arc. <i>Earth and Planetary Science Letters</i> , 2005, 236, 182-194.	1.8	53
151	PLANETARY SCIENCE: Predicting the Sun's Oxygen Isotope Composition. <i>Science</i> , 2004, 305, 1729-1730.	6.0	6
152	A short timescale for terrestrial planet formation from Hf- ^{182}W chronometry of meteorites. <i>Nature</i> , 2002, 418, 949-952.	13.7	615
153	Diverse supernova sources of pre-solar material inferred from molybdenum isotopes in meteorites. <i>Nature</i> , 2002, 415, 881-883.	13.7	101
154	A gravimetric $\text{K}_2\text{O}/\text{Cl}_6$ standard: Application to precise and accurate Os spike calibration. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2113-2127.	1.6	37
155	Preservation of ancient and fertile lithospheric mantle beneath the southwestern United States. <i>Nature</i> , 2001, 411, 69-73.	13.7	167
156	An internal normalization technique for unmixing total-spiked mixtures with application to MC-ICP-MS. <i>Computers and Geosciences</i> , 2001, 27, 577-581.	2.0	6
157	Supernova Sources and the ϵ -Process Chronometer. <i>Astrophysical Journal</i> , 2000, 536, L49-L53.	1.6	41
158	Osmium Isotopic Evidence for Mesozoic Removal of Lithospheric Mantle Beneath the Sierra Nevada, California. <i>Science</i> , 2000, 289, 1912-1916.	6.0	114
159	^{187}Os - ^{186}Os and ^{187}Os - ^{188}Os method of dating: An introduction. <i>Geochimica Et Cosmochimica Acta</i> , 1993, 57, 4119-4128.	1.6	10