Zhao-Feng Zhang

List of Publications by Year
in descending order

51	1,647	279798 23	289244 40
papers	citations	h-index	g-index

52	52	52	1172
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Iron and magnesium isotopic compositions of peridotite xenoliths from Eastern China. Geochimica Et Cosmochimica Acta, 2011, 75, 3318-3334.	3.9	166
2	Magnesium isotopic composition of igneous rock standards measured by MC-ICP-MS. Chemical Geology, 2009, 268, 15-23.	3.3	100
3	Calcium isotopic fractionation in mantle peridotites by melting and metasomatism and Ca isotope composition of the Bulk Silicate Earth. Earth and Planetary Science Letters, 2017, 474, 128-137.	4.4	98
4	Measurement of the Isotopic Composition of Molybdenum in Geological Samples by MCâ€ICPâ€MS using a Novel Chromatographic Extraction Technique. Geostandards and Geoanalytical Research, 2014, 38, 345-354.	3.1	90
5	High-precision barium isotope measurements by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2015, 30, 2307-2315.	3.0	78
6	Coupled extremely light Ca and Fe isotopes in peridotites. Geochimica Et Cosmochimica Acta, 2017, 208, 368-380.	3.9	76
7	Zinc Isotopic Compositions of <scp>NIST SRM</scp> 683 and Wholeâ€Rock Reference Materials. Geostandards and Geoanalytical Research, 2016, 40, 417-432.	3.1	74
8	Cadmium isotopes as tracers in environmental studies: A review. Science of the Total Environment, 2020, 736, 139585.	8.0	66
9	Marine Carbonate Component in the Mantle Beneath the Southeastern Tibetan Plateau: Evidence From Magnesium and Calcium Isotopes. Journal of Geophysical Research: Solid Earth, 2017, 122, 9729-9744.	3.4	60
10	Calcium isotopic composition of mantle xenoliths and minerals from Eastern China. Geochimica Et Cosmochimica Acta, 2016, 174, 335-344.	3.9	59
11	Calcium isotopic signatures of carbonatite and silicate metasomatism, melt percolation and crustal recycling in the lithospheric mantle. Geochimica Et Cosmochimica Acta, 2019, 248, 1-13.	3.9	57
12	Calcium Isotopic Fractionation and Compositions of Geochemical Reference Materials. Geostandards and Geoanalytical Research, 2017, 41, 675-688.	3.1	54
13	Highâ€Precision Cd Isotope Measurements of Soil and Rock Reference Materials by MCâ€ICPâ€MS with Double Spike Correction. Geostandards and Geoanalytical Research, 2020, 44, 169-182.	3.1	54
14	Calcium Isotopic Compositions of Normal Midâ€Ocean Ridge Basalts From the Southern Juan de Fuca Ridge. Journal of Geophysical Research: Solid Earth, 2018, 123, 1303-1313.	3.4	53
15	Cadmium isotopic fractionation in lead-zinc smelting process and signatures in fluvial sediments. Journal of Hazardous Materials, 2021, 411, 125015.	12.4	45
16	Ca and Sr isotope constraints on the formation of the Marinoan cap dolostones. Earth and Planetary Science Letters, 2019, 511, 202-212.	4.4	34
17	Mysterious abrupt carbon-14 increase in coral contributed by a comet. Scientific Reports, 2014, 4, 3728.	3.3	32
18	Calcium Isotopic Fractionation during Ionâ€Exchange Column Chemistry and Thermal Ionisation Mass Spectrometry (<scp>TIMS</scp>) Determination. Geostandards and Geoanalytical Research, 2016, 40, 185-194.	3.1	31

#	Article	IF	Citations
19	Calcium isotope sources and fractionation during melt-rock interaction in the lithospheric mantle: Evidence from pyroxenites, wehrlites, and eclogites. Chemical Geology, 2019, 524, 272-282.	3.3	30
20	Iron Isotope Systematics of the Panzhihua Mafic Layered Intrusion Associated With Giant Feâ€Ti Oxide Deposit in the Emeishan Large Igneous Province, SW China. Journal of Geophysical Research: Solid Earth, 2019, 124, 358-375.	3.4	29
21	Calcium isotopic fractionation during plate subduction: Constraints from back-arc basin basalts. Geochimica Et Cosmochimica Acta, 2020, 270, 379-393.	3.9	29
22	Origin of the mysterious Yin-Shang bronzes in China indicated by lead isotopes. Scientific Reports, 2016, 6, 23304.	3.3	27
23	Post-ridge-subduction acceleration of the Indian plate induced by slab rollback. Solid Earth Sciences, 2018, 3, 1-7.	1.7	26
24	A â€œpeak cutâ€•procedure of column separation for calcium isotope measurement using the double spike technique and thermal ionization mass spectrometry (TIMS). Journal of Analytical Atomic Spectrometry, 2018, 33, 547-554.	3.0	21
25	Major Miocene geological events in southern Tibet and eastern Asia induced by the subduction of the Ninetyeast Ridge. Acta Geochimica, 2018, 37, 395-401.	1.7	18
26	Diffusion-driven Ca-Fe isotope fractionations in the upper mantle: Implications for mantle cooling and melt infiltration. Geochimica Et Cosmochimica Acta, 2020, 290, 41-58.	3.9	17
27	Assessment of coral Î´44/40Ca as a paleoclimate proxy in the Great Barrier Reef of Australia. Chemical Geology, 2016, 435, 71-78.	3.3	16
28	Calcium isotopic fractionation during magma differentiation: Constraints from volcanic glasses from the eastern Manus Basin. Geochimica Et Cosmochimica Acta, 2021, 305, 228-242.	3.9	16
29	Midâ€“Late Cretaceous igneous activity in South China: the Qianjia example, Hainan Island. International Geology Review, 2018, 60, 1665-1683.	2.1	14
30	Iron isotopic composition of supra-subduction zone ophiolitic peridotite from northern Tibet. Geochimica Et Cosmochimica Acta, 2019, 258, 274-289.	3.9	14
31	Calcium isotopic composition of the lunar crust, mantle, and bulk silicate Moon: A preliminary study. Geochimica Et Cosmochimica Acta, 2020, 270, 313-324.	3.9	14
32	Calcium isotope compositions of arc magmas: Implications for Ca and carbonate recycling in subduction zones. Geochimica Et Cosmochimica Acta, 2021, 306, 1-19.	3.9	14
33	Barium Isotopic Compositions in Thirtyâ€Four Geological Reference Materials Analysed by MCâ€ICPâ€MS. Geostandards and Geoanalytical Research, 2020, 44, 183-199.	3.1	13
34	Significant Î´44/40Ca variations between carbonate- and clay-rich marine sediments from the Lesser Antilles forearc and implications for mantle heterogeneity. Geochimica Et Cosmochimica Acta, 2020, 276, 239-257.	3.9	13
35	A practical guide to the double-spike technique for calcium isotope measurements by thermal ionization mass spectrometry (TIMS). International Journal of Mass Spectrometry, 2020, 450, 116307.	1.5	12
36	Calcium Isotope Ratio (Î´^{44/40}Ca) Measurements of Caâ€Dominated Minerals and Rocks without Column Chemistry Using the Doubleâ€Spike Technique and Thermal Ionisation Mass Spectrometry. Geostandards and Geoanalytical Research, 2019, 43, 509-517.	3.1	11

#	Article	IF	Citations
37	Single-Stage Extraction Technique for Ce Stable Isotopes and Measurement by MC-ICP-MS. Analytical Chemistry, 2021, 93, 12524-12531.	6.5	11
38	Ca-Sr isotope and chemical evidence for distinct sources of carbonatite and silicate mantle metasomatism. Geochimica Et Cosmochimica Acta, 2021, 312, 158-179.	3.9	10
39	Simultaneous measurement stable and radiogenic Nd isotopic compositions by MC-ICP-MS with a single-step chromatographic extraction technique. Journal of Analytical Atomic Spectrometry, 0, , .	3.0	10
40	A review of comminution age method and its potential application in the East China Sea to constrain the time scale of sediment source-to-sink process. Journal of Ocean University of China, 2015, 14, 399-406.	1.2	9
41	Iron isotope fractionation in hydrous basaltic magmas in deep crustal hot zones. Geochimica Et Cosmochimica Acta, 2020, 279, 29-44.	3.9	9
42	Influence of room temperature on magnesium isotope measurements by multiâ€collector inductively coupled plasma mass spectrometry. Rapid Communications in Mass Spectrometry, 2018, 32, 1026-1030.	1.5	8
43	Calcium isotopic signatures of depleted mid-ocean ridge basalts from the northeastern Pacific. Journal of Oceanology and Limnology, 2020, 38, 1476-1487.	1.3	7
44	Calcium isotope ecology of early Gigantopithecus blacki (â^¼2 Ma) in South China. Earth and Planetary Science Letters, 2022, 584, 117522.	4.4	4
45	Iron Isotope Behavior During Meltâ€Peridotite Interaction in Supraâ€subduction Zone Ophiolite From Northern Tibet. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018823.	3.4	3
46	Determination of Î´^{44/40}Ca and Î´^{56/54}Fe in Geological Materials Combined with a Simplified Method for their Separation Using a Single TODGA Resin Column. Geostandards and Geoanalytical Research, 2020, 44, 669-683.	3.1	3
47	Yangshan A-Type Granites in the Lower Yangtze River Belt Formed by Ridge Subduction: Radiogenic Ca and Nd Isotopic Constraints. Journal of Earth Science (Wuhan, China), 0, , 1.	3.2	3
48	Ca isotopic compositions of zoned granitoid intrusion: Implications for the emplacement and evolution of magma bodies. Geochimica Et Cosmochimica Acta, 2022, 326, 149-165.	3.9	3
49	Development of CA-ID-TIMS zircon Uâ€“Pb dating technique at Guangzhou Institute of Geochemistry, Chinese Academy of Sciences. Solid Earth Sciences, 2017, 2, 55-61.	1.7	2
50	Calcium Isotope Ratios (Î´^{44/40}Ca) of Thirtyâ€Four Geological Chinese Reference Materials Measured by Thermal Ionisation Mass Spectrometry. Geostandards and Geoanalytical Research, 2022, 46, 307-319.	3.1	2
51	The deep continental crust has a larger Mg isotopic variation than previously thought. American Mineralogist, 2016, 101, 241-242.	1.9	1