

Yan Hu

List of Publications by Year in descending order

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31
papers

1,375
citations

304743

22
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

751
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnesium Isotopic Compositions of International Geological Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2015, 39, 329-339.	3.1	149
2	High-precision analysis of potassium isotopes by HR-MC-ICPMS. <i>Chemical Geology</i> , 2018, 493, 100-108.	3.3	90
3	Metasomatism-induced mantle magnesium isotopic heterogeneity: Evidence from pyroxenites. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 185, 88-111.	3.9	89
4	Magnesium isotope geochemistry in arc volcanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 7082-7087.	7.1	84
5	Iron and magnesium isotope fractionation in oceanic lithosphere and sub-arc mantle: Perspectives from ophiolites. <i>Earth and Planetary Science Letters</i> , 2015, 430, 523-532.	4.4	78
6	Potassium isotope fractionation during continental weathering and implications for global K isotopic balance. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 261-271.	3.9	75
7	Magnesium isotopic composition of altered oceanic crust and the global Mg cycle. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 357-373.	3.9	74
8	Heterogeneous potassium isotopic composition of the upper continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 122-136.	3.9	72
9	Potassium isotopic compositions of international geological reference materials. <i>Chemical Geology</i> , 2019, 513, 101-107.	3.3	64
10	Magnesium isotopic composition of subducting marine sediments. <i>Chemical Geology</i> , 2017, 466, 15-31.	3.3	63
11	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
12	Homogeneous and heavy potassium isotopic composition of global oceans. <i>Science Bulletin</i> , 2019, 64, 1740-1742.	9.0	43
13	Potassium isotopic heterogeneity in subducting oceanic plates. <i>Science Advances</i> , 2020, 6, .	10.3	42
14	Tracing subducted oceanic slabs in the mantle by using potassium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 353-360.	3.9	39
15	Potassium isotopic evidence for sedimentary input to the mantle source of Lesser Antilles lavas. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 295, 98-111.	3.9	39
16	Magnesium isotope constraints on subduction contribution to Mesozoic and Cenozoic East Asian continental basalts. <i>Chemical Geology</i> , 2017, 466, 116-122.	3.3	36
17	Magnesium Isotopic Evidence for Ancient Subducted Oceanic Crust in LOMUâ€Like Potassiumâ€Rich Volcanic Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 7562-7572.	3.4	35
18	Potassium isotopic fractionation during clay adsorption. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 304, 160-177.	3.9	32

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19	Magnesium isotopic composition of metasomatized upper sub-arc mantle and its implications to Mg cycling in subduction zones. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 219-234.	3.9	31
20	Magnesium isotopic homogeneity of San Carlos olivine: a potential standard for Mg isotopic analysis by multi-collector inductively coupled plasma mass spectrometry. <i>Rapid Communications in Mass Spectrometry</i> , 2016, 30, 2123-2132.	1.5	29
21	Potassium isotopic fractionation in a humid and an arid soil-plant system in Hawaii. <i>Geoderma</i> , 2021, 400, 115219.	5.1	28
22	Optimization of analytical conditions for precise and accurate isotope analyses of Li, Mg, Fe, Cu, and Zn by MC-ICPMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 338-346.	3.0	25
23	Chromite-induced magnesium isotope fractionation during mafic magma differentiation. <i>Science Bulletin</i> , 2017, 62, 1538-1546.	9.0	24
24	Potassium Isotope Fractionation During Magmatic Differentiation and the Composition of the Mantle. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB021543.	3.4	20
25	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
26	Metasomatized Lithospheric Mantle beneath the Western Qinling, Central China: Insight into Carbonatite Melts in the Mantle. <i>Journal of Geology</i> , 2012, 120, 671-681.	1.4	15
27	The genesis of mantle-derived sapphirine. <i>American Mineralogist</i> , 2012, 97, 856-863.	1.9	14
28	Silicate weathering in antarctic ice-rich permafrost: Insights using magnesium isotopes. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 244-260.	3.9	13
29	Potassium isotope fractionation during chemical weathering in humid and arid Hawaiian regoliths. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 333, 39-55.	3.9	5
30	Review of melting experiments on carbonated eclogite and peridotite: insights into mantle metasomatism. <i>International Geology Review</i> , 2012, 54, 1443-1455.	2.1	1
31	Non-Traditional Stable Isotope Geochemistry. , 2021, , 114-124.		1