Zhu-Yin Chu

List of Publications by Year
in descending order

50 papers	2,042 citations	331670 21 h-index	233421 45 g-index
50 all docs	50 docs citations	50 times ranked	1514 citing authors

#	Article	IF	Citations
1	Chalcopyrite from the Xiaotongchang Cu Deposit: A New Sulfide Reference Material for Lowâ€Level Reâ€Os Geochronology. Geostandards and Geoanalytical Research, 2022, 46, 321-332.	3.1	4
2	An Acid-Based Method for Highly Effective Baddeleyite Separation from Gram-Sized Mafic Rocks. ACS Omega, 2022, 7, 3634-3638.	3.5	0
3	Determination of Re, Os, Ir, Ru, Pt, Pd Mass Fractions and ¹⁸⁷Os/¹⁸⁸Os Ratios of Organicâ€Rich Geological Reference Materials. Geostandards and Geoanalytical Research, 2022, 46, 333-349.	3.1	3
4	Oxidation of the deep big mantle wedge by recycled carbonates: Constraints from highly siderophile elements and osmium isotopes. Geochimica Et Cosmochimica Acta, 2021, 295, 207-223.	3.9	15
5	Revisiting Rhenium-Osmium Isotopic Investigations of Petroleum Systems: From Geochemical Behaviours to Geological Interpretations. Journal of Earth Science (Wuhan, China), 2021, 32, 1226-1249.	3.2	7
6	Determination of 87Rb/86Sr and 87Sr/86Sr ratios and Rbâ€“Sr contents on the same filament loading for geological samples by isotope dilution thermal ionization mass spectrometry. Talanta, 2021, 233, 122537.	5.5	4
7	Geochemistry and Uâ€“Pb geochronology of Kâ€bentonites from the Pingliang Formation of the Upper Ordovician in Gansu, North China, and their tectonic implications. Geological Journal, 2020, 55, 3522-3536.	1.3	5
8	Ancient Refertilization Process Preserved in the Plagioclase Peridotites: An Example From the Shuanggou Ophiolite, Southwest China. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017552.	3.4	7
9	A Chromatographic Method for Separation of Tungsten (W) from Silicate Samples for High-Precision Isotope Analysis Using Negative Thermal Ionization Mass Spectrometry. Analytical Chemistry, 2020, 92, 11987-11993.	6.5	5
10	Constraints on the Ediacaran-Cambrian boundary in deep-water realm in South China: Evidence from zircon CA-ID-TIMS U-Pb ages from the topmost Liuchapo Formation. Science China Earth Sciences, 2020, 63, 1176-1187.	5.2	14
11	Analytical Methods for Os Isotope Ratios and Re-PGE Mass Fractions in Geological Samples. Frontiers in Chemistry, 2020, 8, 615839.	3.6	4
12	A method to estimate the pre-eruptive water content of basalts: Application to the Wudalianchiâ€“Erkeshanâ€“Keluo volcanic field, Northeastern China. American Mineralogist, 2020, 105, 149-161.	1.9	13
13	Separation of Nd from geological samples by a single TODGA resin column for high precision Nd isotope analysis as NdO⁺ by TIMS. Journal of Analytical Atomic Spectrometry, 2019, 34, 2053-2060.	3.0	23
14	Sr Isotope Analysis of Picogram-Level Samples by Thermal Ionization Mass Spectrometry Using a Highly Sensitive Silicotungstic Acid Emitter. Analytical Chemistry, 2019, 91, 7288-7294.	6.5	14
15	Accurate and precise determination of Lu and Hf contents and Hf isotopic composition at the sub-nanogram level in geological samples using MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2019, 34, 1256-1262.	3.0	16
16	Precise determination of radiogenic Sr and Nd isotopic ratios and Rb, Sr, Sm, Nd elemental concentrations in four coal ash and coal fly ash reference materials using isotope dilution thermal ionization mass spectrometry. Microchemical Journal, 2019, 146, 906-913.	4.5	36
17	Determination of Lead Elemental Concentration and Isotopic Ratios in Coal Ash and Coal Fly Ash Reference Materials Using Isotope Dilution Thermal Ionization Mass Spectrometry. International Journal of Environmental Research and Public Health, 2019, 16, 4772.	2.6	6
18	Petrogenesis of Cenozoic basalts in central-eastern China: Constraints from Reâ€“Os and PGE geochemistry. Lithos, 2017, 278-281, 72-83.	1.4	18

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19	Composition of the lithospheric mantle in the northern part of Siberian craton: Constraints from peridotites in the Obnazhennaya kimberlite. Lithos, 2017, 294-295, 383-396.	1.4	10
20	A low-blank two-column chromatography separation strategy based on a KMnO₄ oxidizing reagent for Cr isotope determination in micro-silicate samples by thermal ionization mass spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 1938-1945.	3.0	10
21	Archeanâ€Paleoproterozoic Lithospheric Mantle at the Northern Margin of the North China Craton Represented by Tectonically Exhumed Peridotites. Acta Geologica Sinica, 2017, 91, 2041-2057.	1.4	8
22	Precise measurement of Cr isotope ratios using a highly sensitive Nb₂O₅emitter by thermal ionization mass spectrometry and an improved procedure for separating Cr from geological materials. Journal of Analytical Atomic Spectrometry, 2016, 31, 2375-2383.	3.0	18
23	A study on the Dushiling tungsten-copper deposit in the Miaoâ€™ershan-Yuechengling area, Northern Guangxi, China: Implications for variations in the mineralization of multi-aged composite granite plutons. Science China Earth Sciences, 2016, 59, 2121-2141.	5.2	29
24	Highâ€precision Uâ€Pb geochronology of the <scp>J</scp>urassic <scp>Y</scp>anliao <scp>B</scp>iota from <scp>J</scp>ianchang (western <scp>L</scp>iaoning <scp>P</scp>rovince, <scp>C</scp>hina): Age constraints on the rise of feathered dinosaurs and eutherian mammals. Geochemistry, Geophysics, Geosystems, 2016, 17, 3983-3992.	2.5	24
25	Rapid separation scheme of Sr, Nd, Pb, and Hf from a single rock digest using a tandem chromatography column prior to isotope ratio measurements by mass spectrometry. Journal of Analytical Atomic Spectrometry, 2016, 31, 1150-1159.	3.0	93
26	Ceâ€“Nd separation by solid-phase micro-extraction and its application to high-precision ¹⁴²Nd/¹⁴⁴Nd measurements using TIMS in geological materials. Journal of Analytical Atomic Spectrometry, 2015, 30, 895-902.	3.0	23
27	A rapid single column separation scheme for high-precision Srâ€“Ndâ€“Pb isotopic analysis in geological samples using thermal ionization mass spectrometry. Analytical Methods, 2015, 7, 4793-4802.	2.7	98
28	Direct High-Precision Measurements of the ⁸⁷Sr/⁸⁶Sr Isotope Ratio in Natural Water without Chemical Separation Using Thermal Ionization Mass Spectrometry Equipped with 10¹² Î© Resistors. Analytical Chemistry, 2015, 87, 7426-7432.	6.5	27
29	High-Precision Measurement of ¹⁸⁶Os/¹⁸⁸Os and ¹⁸⁷Os/¹⁸⁸Os: Isobaric Oxide Corrections with In-Run Measured Oxygen Isotope Ratios. Analytical Chemistry, 2015, 87, 8765-8771.	6.5	18
30	A Comprehensive Method for Precise Determination of Re, Os, Ir, Ru, Pt, Pd Concentrations and Os Isotopic Compositions in Geological Samples. Geostandards and Geoanalytical Research, 2015, 39, 151-169.	3.1	50
31	High-Precision ¹⁴³Nd/¹⁴⁴Nd Ratios from NdO⁺ Data Corrected with in-Run Measured Oxygen Isotope Ratios. Analytical Chemistry, 2014, 86, 11141-11150.	6.5	8
32	Precise Determination of Sm and Nd Concentrations and Nd Isotopic Compositions in Highly Depleted Ultramafic Reference Materials. Geostandards and Geoanalytical Research, 2014, 38, 61-72.	3.1	21
33	Single-step separation scheme and high-precision isotopic ratios analysis of Srâ€“Ndâ€“Hf in silicate materials. Journal of Analytical Atomic Spectrometry, 2014, 29, 1467-1476.	3.0	35
34	Geochemistry of ultrapotassic volcanic rocks in Xiaogulihe NE China: Implications for the role of ancient subducted sediments. Lithos, 2014, 208-209, 53-66.	1.4	52
35	Skarn-type tungsten mineralization associated with the Caledonian (Silurian) Niutangjie granite, northern Guangxi, China. Science China Earth Sciences, 2014, 57, 1551-1566.	5.2	31
36	Source of highly potassic basalts in northeast China: Evidence from Reâ€“Os, Srâ€“Ndâ€“Hf isotopes and PGE geochemistry. Chemical Geology, 2013, 357, 52-66.	3.3	63

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37	Evaluation of sample dissolution method for Sm-Nd isotopic analysis of scheelite. Journal of Analytical Atomic Spectrometry, 2012, 27, 509.	3.0	12
38	Evaluation of Sr chemical purification technique for natural geological samples using common cation-exchange and Sr-specific extraction chromatographic resin prior to MC-ICP-MS or TIMS measurement. Journal of Analytical Atomic Spectrometry, 2012, 27, 516.	3.0	76
39	Precise and accurate determination of Sm, Nd concentrations and Nd isotopic compositions in geological samples by MC-ICP-MS. Journal of Analytical Atomic Spectrometry, 2011, 26, 1237.	3.0	91
40	Calculation methods for direct internal mass fractionation correction of spiked isotopic ratios from multi-collector mass spectrometric measurements. International Journal of Mass Spectrometry, 2011, 299, 87-93.	1.5	16
41	Re-Os isotopic constraint to the age of in komatiites in the Neoarchean Guyang greenstone belt, North China Craton. Science Bulletin, 2010, 55, 3197-3204.	1.7	15
42	Combined chemical separation of Lu, Hf, Rb, Sr, Sm and Nd from a single rock digest and precise and accurate isotope determinations of Luâ€“Hf, Rbâ€“Sr and Smâ€“Nd isotope systems using Multi-Collector ICP-MS and TIMS. International Journal of Mass Spectrometry, 2010, 290, 120-126.	1.5	355
43	A practical method for determination of molybdenite Re-Os age by inductively coupled plasma-mass spectrometry combined with Carius tube-HNO3 digestion. Analytical Methods, 2010, 2, 575.	2.7	55
44	Temporal Evolution of the Lithospheric Mantle beneath the Eastern North China Craton. Journal of Petrology, 2009, 50, 1857-1898.	2.8	237
45	Precise determination of Sm, Nd concentrations and Nd isotopic compositions at the nanogram level in geological samples by thermal ionization mass spectrometry. Journal of Analytical Atomic Spectrometry, 2009, 24, 1534.	3.0	131
46	Triassic Nb-enriched basalts, magnesian andesites, and adakites of the Qiangtang terrane (Central) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Mineralogy and Petrology, 2008, 155, 473-490.	3.1	185
47	Contrasting provenance of Late Archean metasedimentary rocks from the Wutai Complex, North China Craton: detrital zircon Uâ€“Pb, whole-rock Smâ€“Nd isotopic, and geochemical data. International Journal of Earth Sciences, 2008, 97, 443-458.	1.8	36
48	Cenozoic Cooling History of Lincang Granitoid Batholith in Western Yunnan: Evidence from Fission Track Data. Chinese Journal of Geophysics, 2006, 49, 129-137.	0.2	10
49	Geochemical and Sr-Nd isotopic study of alkaline syenites in Liangtun-Kuangdonggou, Liaoning Province, China: Evidence for enriched mantle before 1.86 Ga and implications. Diqiu Huaxue, 2005, 24, 232-242.	0.5	2
50	Nd isotopic characteristics of Proterozoic metasedimentary rocks and constraints on their provenance in the eastern segment of Central Tianshan Belt, Xinjiang*. Progress in Natural Science: Materials International, 2003, 13, 908-913.	4.4	9