

Shi-Tou Wu

List of Publications by Year in descending order

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38
papers

891
citations

687363

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38
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708
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#	ARTICLE	IF	CITATIONS
1	<i>In situ</i> U–Pb geochronology of vesuvianite by LA-SF-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 69-81.	3.0	7
2	Archean crustal growth and reworking revealed by combined U-Pb-Hf-O isotope and trace element data of detrital zircons from ancient and modern river sediments of the eastern Kaapvaal Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 79-104.	3.9	9
3	U-Pb isotopic dating of cassiterite: Development of reference materials and in situ applications by LA-SF-ICP-MS. <i>Chemical Geology</i> , 2022, 593, 120754.	3.3	16
4	Geochronological and geochemical constraints on the origin of highly ¹³ C _{carb} -depleted calcite in basal Ediacaran cap carbonate. <i>Geological Magazine</i> , 2022, 159, 1323-1334.	1.5	14
5	Mobilization and fractionation of HFSE and REE by high fluorine fluid of magmatic origin during the alteration of amphibolite. <i>Lithos</i> , 2022, 420-421, 106701.	1.4	2
6	In situ calcite U–Pb geochronology by high-sensitivity single-collector LA-SF-ICP-MS. <i>Science China Earth Sciences</i> , 2022, 65, 1146-1160.	5.2	15
7	Quantitative verification of 1:35 diluted fused glass disks with 10 μg sample sizes for the wavelength-dispersive X-ray fluorescence analysis of the whole-rock major elements of precious geological specimens. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 193, 106433.	2.9	4
8	Magmatic chlorine isotope fractionation recorded in apatite from Chang'e-5 basalts. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117636.	4.4	14
9	A natural plagioclase reference material for microbeam Sr isotopic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1706-1714.	3.0	8
10	Analytical feasibility of a new reference material (IRMM-524A Fe metal) for the <i>in situ</i> Fe isotopic analysis of pyrite and ilmenite without matrix effects by femtosecond LA-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1835-1845.	3.0	8
11	Three Natural Andesitic to Rhyolitic Glasses (OJY-1, OH-1, OA-1) as Reference Materials for <i>In Situ</i> Microanalysis. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 673-700.	3.1	9
12	In-run measuring ¹⁷⁷ Hf/ ¹⁶⁰ Hf as a routine technique for in-situ Hf isotopic compositions analysis in zirconium-bearing minerals by laser ablation MC-ICP-MS. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2022, 194, 106486.	2.9	1
13	Characterization of the potential reference material SA02 for micro-beam U–Pb geochronology and Hf–O isotopic composition analysis of zircon. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 368-374.	3.0	12
14	Isotopic Compositions (Li, Si, Mg, Sr, Nd, Hf, Pb) and Fe ²⁺ /Fe Ratios of Three Synthetic Andesite Glass Reference Materials (ARM-1, ARM-2, ARM-3). <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 719-745.	3.1	32
15	Precambrian crustal evolution in Northern Indian Block: Evidence from detrital zircon U-Pb ages and Hf-isotopes. <i>Precambrian Research</i> , 2021, 361, 106238.	2.7	8
16	Further characterization of SA01 and SA02 zircon reference materials for Si and Zr isotopic compositions <i>via</i> femtosecond laser ablation MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2192-2201.	3.0	14
17	Non-KREEP origin for Chang'e-5 basalts in the Procellarum KREEP Terrane. <i>Nature</i> , 2021, 600, 59-63.	27.8	124
18	Beryl Reference Materials for In Situ Oxygen Isotope Determination. <i>Crystals</i> , 2021, 11, 1322.	2.2	1

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19	MK-1 Orthopyroxene—A New Potential Reference Material for In-Situ Microanalysis. Minerals (Basel, Tj ETQq1 1 0,784314 1gBT /Overl	2.0	14
20	<i>In situ</i> sequential U—Pb age and Sm—Nd systematics measurements of natural LREE-enriched minerals using single laser ablation multi-collector inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 510-517.	3.0	2
21	SAO1 — A Proposed Zircon Reference Material for Microbeam U—Pb Age and Hf—O Isotopic Determination. Geostandards and Geoanalytical Research, 2020, 44, 103-123.	3.1	69
22	Simultaneous Quantification of Forsterite Content and Minor—Trace Elements in Olivine by LA—ICP—MS and Geological Applications in Emeishan Large Igneous Province. Minerals (Basel, Tj ETQq0 0 0 rgBT/Overlook 10 Tf 00	3.0	10
23	Improved in situ zircon U—Pb dating at high spatial resolution (5—16 Å ² /4m) by laser ablation—single collector—sector field—ICP—MS using Jet sample and X skimmer cones. International Journal of Mass Spectrometry, 2020, 456, 116394.	1.5	33
24	Natural Clinopyroxene Reference Materials for in situ Sr Isotopic Analysis via LA-MC-ICP-MS. Frontiers in Chemistry, 2020, 8, 594316.	3.6	12
25	Accurate and precise <i>in situ</i> U—Pb isotope dating of wolframite series minerals <i>via</i> LA-SF-ICP-MS. Journal of Analytical Atomic Spectrometry, 2020, 35, 2191-2203.	3.0	37
26	KV01 zircon—A potential New Archean reference material for microbeam U-Pb age and Hf-O isotope determinations. Science China Earth Sciences, 2020, 63, 1780-1790.	5.2	12
27	High—Precision Sr—Nd—Hf—Pb Isotopic Composition of Chinese Geological Standard Glass Reference Materials CGSG—1, CGSG—2, CGSG—4 and CGSG—5 by MC—ICP—MS and TIMS. Geostandards and Geoanalytical Research, 2020, 44, 567-579.	3.1	9
28	Distributions of selenium and related elements in high pyrite and Se-enriched rocks from Ziyang, Central China. Journal of Geochemical Exploration, 2020, 212, 106506.	3.2	14
29	Precise and Accurate Determination of Lu and Hf Contents, and Hf Isotopic Compositions in Chinese Rock Reference Materials by MC—ICP—MS. Geostandards and Geoanalytical Research, 2020, 44, 553-565.	3.1	6
30	The Preparation and Preliminary Characterisation of Three Synthetic Andesite Reference Glass Materials (ARM—1, ARM—2, ARM—3) for <i>In Situ</i> Microanalysis. Geostandards and Geoanalytical Research, 2019, 43, 567-584.	3.1	76
31	Further Characterization of the BB Zircon via SIMS and MC-ICP-MS for Li, O, and Hf Isotopic Compositions. Minerals (Basel, Switzerland), 2019, 9, 774.	2.0	1
32	Iolite Based Bulk Normalization as 100% (m/m) Quantification Strategy for Reduction of Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Transient Signal. Chinese Journal of Analytical Chemistry, 2018, 46, 1628-1636.	1.7	15
33	East Asian hydroclimate modulated by the position of the westerlies during Termination I. Science, 2018, 362, 580-583.	12.6	190
34	Comparison of Ultrafine Powder Pellet and Flux—free Fusion Glass for Bulk Analysis of Granitoids by Laser Ablation—Inductively Coupled Plasma—Mass Spectrometry. Geostandards and Geoanalytical Research, 2018, 42, 575-591.	3.1	69
35	Laser Ablation-Inductively Coupled Plasma-Mass Spectrometer: A quantification Strategy Based on Two Reference Materials and Bulk Normalization as 100% (wt). Chinese Journal of Analytical Chemistry, 2017, 45, 965-972.	1.7	1
36	Elemental Fractionation Studies of 193 nm ArF Excimer Laser Ablation System at High Spatial Resolution Mode. Chinese Journal of Analytical Chemistry, 2016, 44, 1035-1041.	1.7	5

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37	Improved selenium bioavailability of selenium-enriched slate via calcination with a Ca-based sorbent. Journal of Geochemical Exploration, 2016, 169, 73-79.	3.2	8
38	Geochemical characteristics of selenium and its correlation to other elements and minerals in selenium-enriched rocks in Ziyang County, Shaanxi Province, China. Journal of Earth Science (Wuhan,) Tj ETQq0 0 OrgBT /Overlock 10 T		