

# Shi-Tou Wu

## List of Publications by Year in descending order

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38  
papers

891  
citations

687363

13  
h-index

477307

29  
g-index

38  
all docs

38  
docs citations

38  
times ranked

708  
citing authors

#	ARTICLE	IF	CITATIONS
1	East Asian hydroclimate modulated by the position of the westerlies during Termination I. <i>Science</i> , 2018, 362, 580-583.	12.6	190
2	Non-KREEP origin for Chang'e-5 basalts in the Procellarum KREEP Terrane. <i>Nature</i> , 2021, 600, 59-63.	27.8	124
3	The Preparation and Preliminary Characterisation of Three Synthetic Andesite Reference Glass Materials (ARM1, ARM2, ARM3) for <i>In Situ</i> Microanalysis. <i>Geostandards and Geoanalytical Research</i> , 2019, 43, 567-584.	3.1	76
4	Comparison of Ultrafine Powder Pellet and Flux-free Fusion Glass for Bulk Analysis of Granitoids by Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry. <i>Geostandards and Geoanalytical Research</i> , 2018, 42, 575-591.	3.1	69
5	SAO1 – A Proposed Zircon Reference Material for Microbeam U-Pb Age and Hf-O Isotopic Determination. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 103-123.	3.1	69
6	Accurate and precise <i>in situ</i> U-Pb isotope dating of wolframite series minerals <i>via</i> LA-SF-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2191-2203.	3.0	37
7	Improved <i>in situ</i> zircon U-Pb dating at high spatial resolution (5 $\times$ 16 $\mu$ m) by laser ablation single collector sector field ICP-MS using Jet sample and X skimmer cones. <i>International Journal of Mass Spectrometry</i> , 2020, 456, 116394.	1.5	33
8	Isotopic Compositions (Li, B, Si, O, Mg, S, Sr, Nd, Hf, Pb) and Fe <sup>2+</sup> /Fe Ratios of Three Synthetic Andesite Glass Reference Materials (ARM1, ARM2, ARM3). <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 719-745.	3.1	32
9	Geochemical characteristics of selenium and its correlation to other elements and minerals in selenium-enriched rocks in Ziyang County, Shaanxi Province, China. <i>Journal of Earth Science (Wuhan)</i> , 2021, 32, 1037-1044.	1.0	1
10	U-Pb isotopic dating of cassiterite: Development of reference materials and <i>in situ</i> applications by LA-SF-ICP-MS. <i>Chemical Geology</i> , 2022, 593, 120754.	3.3	16
11	Iolite Based Bulk Normalization as 100% (m/m) Quantification Strategy for Reduction of Laser Ablation-Inductively Coupled Plasma-Mass Spectrometry Transient Signal. <i>Chinese Journal of Analytical Chemistry</i> , 2018, 46, 1628-1636.	1.7	15
12	<i>In situ</i> 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
13	Distributions of selenium and related elements in high pyrite and Se-enriched rocks from Ziyang, Central China. <i>Journal of Geochemical Exploration</i> , 2020, 212, 106506.	3.2	14
14	Further characterization of SAO1 and SAO2 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
15	Geochronological and geochemical constraints on the origin of highly <sup>13</sup> C <sub>carb</sub> -depleted calcite in basal Ediacaran cap carbonate. <i>Geological Magazine</i> , 2022, 159, 1323-1334.	1.5	14
16	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
17	Natural Clinopyroxene Reference Materials for <i>in situ</i> Sr Isotopic Analysis via LA-MC-ICP-MS. <i>Frontiers in Chemistry</i> , 2020, 8, 594316.	3.6	12
18	KV01 zircon – A potential New Archean reference material for microbeam U-Pb age and Hf-O isotope determinations. <i>Science China Earth Sciences</i> , 2020, 63, 1780-1790.	5.2	12

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19	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
20	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. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 567-579.	3.1	9
21	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
22	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
23	Improved selenium bioavailability of selenium-enriched slate via calcination with a Ca-based sorbent. <i>Journal of Geochemical Exploration</i> , 2016, 169, 73-79.	3.2	8
24	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
25	A natural plagioclase reference material for microbeam Sr isotopic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1706-1714.	3.0	8
26	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
27	<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
28	Precise and Accurate Determination of Lu and Hf Contents, and Hf Isotopic Compositions in Chinese Rock Reference Materials by MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2020, 44, 553-565.	3.1	6
29	Elemental Fractionation Studies of 193 nm ArF Excimer Laser Ablation System at High Spatial Resolution Mode. <i>Chinese Journal of Analytical Chemistry</i> , 2016, 44, 1035-1041.	1.7	5
30	Simultaneous Quantification of Forsterite Content and Minor Trace Elements in Olivine by LA-ICP-MS and Geological Applications in Emeishan Large Igneous Province. <i>Minerals (Basel)</i> , 2020, 10, 1067.	2.9	5
31	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
32	MK-1 Orthopyroxene—A New Potential Reference Material for In-Situ Microanalysis. <i>Minerals (Basel)</i> , 2020, 10, 1067.	2.9	3
33	<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. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 510-517.	3.0	2
34	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
35	Laser Ablation-Inductively Coupled Plasma-Mass Spectrometer: A quantification Strategy Based on Two Reference Materials and Bulk Normalization as 100% ( wt ). <i>Chinese Journal of Analytical Chemistry</i> , 2017, 45, 965-972.	1.7	1
36	Further Characterization of the BB Zircon via SIMS and MC-ICP-MS for Li, O, and Hf Isotopic Compositions. <i>Minerals (Basel, Switzerland)</i> , 2019, 9, 774.	2.0	1

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37	Beryl Reference Materials for In Situ Oxygen Isotope Determination. <i>Crystals</i> , 2021, 11, 1322.	2.2	1
38	In-run measuring $^{177}\text{Hf}^{16}\text{O}/^{177}\text{Hf}$ 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