

# Yong-Sheng Liu

## List of Publications by Year in descending order

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274  
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| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | In situ analysis of major and trace elements of anhydrous minerals by LA-ICP-MS without applying an internal standard. <i>Chemical Geology</i> , 2008, 257, 34-43.  | 1.4  | 3,342     |
| 2  | Continental and Oceanic Crust Recycling-induced Melt-Peridotite Interactions in the Trans-North China Orogen: U-Pb Dating, Hf Isotopes and Trace Elements in Zircons from Mantle Xenoliths. <i>Journal of Petrology</i> , 2010, 51, 537-571.                              | 1.1  | 2,939     |
| 3  | Recycling lower continental crust in the North China craton. <i>Nature</i> , 2004, 432, 892-897.  | 13.7 | 1,523     |
| 4  | Reappraisal and refinement of zircon U-Pb isotope and trace element analyses by LA-ICP-MS. <i>Science Bulletin</i> , 2010, 55, 1535-1546.   | 1.7  | 1,347     |
| 5  | Improved in situ Hf isotope ratio analysis of zircon using newly designed X skimmer cone and jet sample cone in combination with the addition of nitrogen by laser ablation multiple collector ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 1391. | 1.6  | 857       |
| 6  | Re <sup>187</sup> Os evidence for replacement of ancient mantle lithosphere beneath the North China craton. <i>Earth and Planetary Science Letters</i> , 2002, 198, 307-322.  | 1.8  | 802       |
| 7  | Petrology and geochemistry of spinel peridotite xenoliths from Hannuoba and Qixia, North China craton. <i>Lithos</i> , 2004, 77, 609-637.   | 0.6  | 505       |
| 8  | Geochemistry and magmatic history of eclogites and ultramafic rocks from the Chinese continental scientific drill hole: Subduction and ultrahigh-pressure metamorphism of lower crustal cumulates. <i>Chemical Geology</i> , 2008, 247, 133-153.                          | 1.4  | 504       |
| 9  | Signal enhancement in laser ablation ICP-MS by addition of nitrogen in the central channel gas. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1093.  | 1.6  | 494       |
| 10 | The assembly of Rodinia: The correlation of early Neoproterozoic (ca. 900 Ma) high-grade metamorphism and continental arc formation in the southern Beishan Orogen, southern Central Asian Orogenic Belt (CAOB). <i>Precambrian Research</i> , 2017, 290, 32-48.          | 1.2  | 453       |
| 11 | Wavelet Signal-Smoothing and Mercury-Removing Device for Laser Ablation Quadrupole and Multiple Collector ICPMS Analysis: Application to Lead Isotope Analysis. <i>Analytical Chemistry</i> , 2015, 87, 1152-1157.  | 3.2  | 415       |
| 12 | Recycling deep cratonic lithosphere and generation of intraplate magmatism in the North China Craton. <i>Earth and Planetary Science Letters</i> , 2008, 270, 41-53.  | 1.8  | 412       |
| 13 | Geochemical investigation of Early Cretaceous igneous rocks along an east-west traverse throughout the central Lhasa Terrane, Tibet. <i>Chemical Geology</i> , 2009, 268, 298-312.  | 1.4  | 367       |
| 14 | Cambrian bimodal volcanism in the Lhasa Terrane, southern Tibet: Record of an early Paleozoic Andean-type magmatic arc in the Australian proto-Tethyan margin. <i>Chemical Geology</i> , 2012, 328, 290-308.  | 1.4  | 288       |
| 15 | Geochronology and Hf isotopes of zircon from volcanic rocks of the Shuangqiaoshan Group, South China: Implications for the Neoproterozoic tectonic evolution of the eastern Jiangnan orogen. <i>Gondwana Research</i> , 2008, 14, 355-367.                                | 3.0  | 263       |
| 16 | 3.45 Ga granitic gneisses from the Yangtze Craton, South China: Implications for Early Archean crustal growth. <i>Precambrian Research</i> , 2014, 242, 82-95.  | 1.2  | 245       |
| 17 | Zircon U-Pb age and trace element evidence for Paleoproterozoic granulite-facies metamorphism and Archean crustal rocks in the Dabie Orogen. <i>Lithos</i> , 2008, 101, 308-322.  | 0.6  | 240       |
| 18 | Reactivation of the Archean lower crust: Implications for zircon geochronology, elemental and Sr-Nd-Hf isotopic geochemistry of late Mesozoic granitoids from northwestern Jiaodong Terrane, the North China Craton. <i>Lithos</i> , 2012, 146-147, 112-127.              | 0.6  | 240       |

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|----|--|-----|-----------|
| 19 | Deep carbon cycles constrained by a large-scale mantle Mg isotope anomaly in eastern China. <i>National Science Review</i> , 2017, 4, 111-120.   | 4.6 | 240       |
| 20 | Calibration and correction of LA-ICP-MS and LA-MC-ICP-MS analyses for element contents and isotopic ratios. <i>Solid Earth Sciences</i> , 2016, 1, 5-27.   | 0.8 | 238       |
| 21 | U–Pb zircon ages and Nd, Sr, and Pb isotopes of lower crustal xenoliths from North China Craton: insights on evolution of lower continental crust. <i>Chemical Geology</i> , 2004, 211, 87-109.  | 1.4 | 228       |
| 22 | Crustal thickening prior to 38 Ma in southern Tibet: Evidence from lower crust-derived adakitic magmatism in the Gangdese Batholith. <i>Gondwana Research</i> , 2012, 21, 88-99.   | 3.0 | 225       |
| 23 | Recycled crust controls contrasting source compositions of Mesozoic and Cenozoic basalts in the North China Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 2349-2376.  | 1.6 | 223       |
| 24 | A wire-signal smoothing device for laser ablation inductively coupled plasma mass spectrometry analysis. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2012, 78, 50-57.  | 1.5 | 205       |
| 25 | Mesozoic crustal thickening of the eastern North China craton: Evidence from eclogite xenoliths and petrologic implications. <i>Geology</i> , 2006, 34, 721.   | 2.0 | 186       |
| 26 | Geochemistry of lower crustal xenoliths from Neogene Hannuoba basalt, North China craton: implications for petrogenesis and lower crustal composition. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2589-2604.                                   | 1.6 | 173       |
| 27 | Geochemistry, zircon U–Pb age and Hf isotope compositions of Paleoproterozoic aluminous A-type granites from the Kongling terrain, Yangtze Block: Constraints on petrogenesis and geologic implications. <i>Gondwana Research</i> , 2012, 22, 140-151. | 3.0 | 169       |
| 28 | Derivation of Mesozoic adakitic magmas from ancient lower crust in the North China craton. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2591-2608.   | 1.6 | 163       |
| 29 | 2.6–2.7 Ga crustal growth in Yangtze craton, South China. <i>Precambrian Research</i> , 2013, 224, 472-490.  | 1.2 | 162       |
| 30 | Melt–peridotite interactions: Links between garnet pyroxenite and high-Mg# signature of continental crust. <i>Earth and Planetary Science Letters</i> , 2005, 234, 39-57.  | 1.8 | 160       |
| 31 | Laser ablation ICP-MS titanite Th–Pb dating of hydrothermal ore deposits: A case study of the Tonglushan Cu–Fe–Au skarn deposit, SE Hubei Province, China. <i>Chemical Geology</i> , 2010, 270, 56-67.   | 1.4 | 160       |
| 32 | Zircon U–Pb age, trace element and Hf isotope composition of Kongling terrane in the Yangtze Craton: refining the timing of Palaeoproterozoic high-grade metamorphism. <i>Journal of Metamorphic Geology</i> , 2009, 27, 461-477.                      | 1.6 | 158       |
| 33 | Major and Trace Element Characteristics of Apatites in Granitoids from Central Kazakhstan: Implications for Petrogenesis and Mineralization. <i>Resource Geology</i> , 2012, 62, 63-83.  | 0.3 | 155       |
| 34 | Age and nature of eclogites in the Huwan shear zone, and the multi-stage evolution of the Qinling-Dabie-Sulu orogen, central China. <i>Earth and Planetary Science Letters</i> , 2009, 277, 345-354.   | 1.8 | 146       |
| 35 | Fluids in deeply subducted continental crust: Petrology, mineral chemistry and fluid inclusion of UHP metamorphic veins from the Sulu orogen, eastern China. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3200-3228.                             | 1.6 | 145       |
| 36 | Accurate determinations of fifty-four major and trace elements in carbonate by LA-ICP-MS using normalization strategy of bulk components as 100%. <i>Chemical Geology</i> , 2011, 284, 283-295.  | 1.4 | 138       |

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|----|--|-----|-----------|
| 37 | Iso-Compass: new freeware software for isotopic data reduction of LA-MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1087-1096.  | 1.6 | 132       |
| 38 | Volatile organic solvent-induced signal enhancements in inductively coupled plasma-mass spectrometry: a case study of methanol and acetone. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2004, 59, 1463-1470.   | 1.5 | 131       |
| 39 | Delamination and destruction of the North China Craton. <i>Science Bulletin</i> , 2009, 54, 3367-3378.   | 4.3 | 126       |
| 40 | In situ sulfur isotopes ( $\delta^{34}\text{S}$ and $\delta^{33}\text{S}$ ) analyses in sulfides and elemental sulfur using high sensitivity cones combined with the addition of nitrogen by laser ablation MC-ICP-MS. <i>Analytica Chimica Acta</i> , 2016, 911, 14-26. | 2.6 | 126       |
| 41 | Episodic Paleoproterozoic (3.3–2.0 Ga) granitoid magmatism in Yangtze Craton, South China: Implications for late Archean tectonics. <i>Precambrian Research</i> , 2015, 270, 246-266.  | 1.2 | 125       |
| 42 | Contrasting matrix induced elemental fractionation in NIST SRM and rock glasses during laser ablation ICP-MS analysis at high spatial resolution. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 425-430.  | 1.6 | 123       |
| 43 | Evolution of the lithospheric mantle beneath the southeastern North China Craton: Constraints from mafic dikes in the Jiaobei terrain. <i>Gondwana Research</i> , 2013, 24, 601-621.   | 3.0 | 118       |
| 44 | The generation and evolution of Archean continental crust in the Dunhuang block, northeastern Tarim craton, northwestern China. <i>Precambrian Research</i> , 2013, 235, 251-263.  | 1.2 | 117       |
| 45 | Zircon U–Pb and trace element data from rocks of the Huaiyan Complex: New insights into the late Paleoproterozoic collision between the Eastern and Western Blocks of the North China Craton. <i>Precambrian Research</i> , 2010, 178, 59-71.                            | 1.2 | 112       |
| 46 | A local aerosol extraction strategy for the determination of the aerosol composition in laser ablation inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2008, 23, 1192.  | 1.6 | 111       |
| 47 | Petrogenesis and tectonic implications of Neoproterozoic, highly fractionated A-type granites from Mianning, South China. <i>Precambrian Research</i> , 2008, 165, 190-204.  | 1.2 | 108       |
| 48 | Rare-earth element patterns in conodont albid crowns: Evidence for massive inputs of volcanic ash during the latest Permian biocrisis?. <i>Global and Planetary Change</i> , 2013, 105, 135-151.   | 1.6 | 107       |
| 49 | Generation and evolution of Palaeoproterozoic continental crust in the central part of the Singhbhum craton, eastern India. <i>Precambrian Research</i> , 2017, 298, 268-291.  | 1.2 | 106       |
| 50 | UPb zircon age and geochemical constraints on tectonic evolution of the Paleozoic accretionary orogenic system in the Tongbai orogen, central China. <i>Tectonophysics</i> , 2013, 599, 67-88.   | 0.9 | 104       |
| 51 | Linking continental deep subduction with destruction of a cratonic margin: strongly reworked North China SCLM intruded in the Triassic Sulu UHP belt. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.   | 1.2 | 103       |
| 52 | Accurate Determination of Sr Isotopic Compositions in Clinopyroxene and Silicate Glasses by LA-MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2016, 40, 85-99.  | 1.7 | 100       |
| 53 | Lithium isotopic composition and concentration of the deep continental crust. <i>Chemical Geology</i> , 2008, 255, 47-59.  | 1.4 | 98        |
| 54 | Timing of UHP metamorphism in the Hongyan area, western Dabie Mountains, China: evidence from zircon U–Pb age, trace element and Hf isotope composition. <i>Contributions To Mineralogy and Petrology</i> , 2007, 155, 123-133.  | 1.2 | 95        |

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|----|--|-----|-----------|
| 55 | Origin of a Mesozoic granite with A-type characteristics from the North China craton: highly fractionated from I-type magmas?. <i>Contributions To Mineralogy and Petrology</i> , 2009, 158, 113-130.  | 1.2 | 86        |
| 56 | Melting-induced fluid flow during exhumation of gneisses of the Sulu ultrahigh-pressure terrane. <i>Lithos</i> , 2010, 120, 490-510.   | 0.6 | 85        |
| 57 | Metasomatized lithospheric mantle for Mesozoic giant gold deposits in the North China craton. <i>Geology</i> , 2020, 48, 169-173.  | 2.0 | 85        |
| 58 | In situ U-Pb dating and trace element analysis of zircons in thin sections of eclogite: Refining constraints on the ultra high-pressure metamorphism of the Sulu terrane, China. <i>Chemical Geology</i> , 2010, 269, 237-251.                                 | 1.4 | 84        |
| 59 | Crustal Melting and Flow beneath Northern Tibet: Evidence from Mid-Miocene to Quaternary Strongly Peraluminous Rhyolites in the Southern Kunlun Range. <i>Journal of Petrology</i> , 2012, 53, 2523-2566.  | 1.1 | 83        |
| 60 | Applications of LA-ICP-MS in the elemental analyses of geological samples. <i>Science Bulletin</i> , 2013, 58, 3863-3878.  | 1.7 | 81        |
| 61 | Accuracy of LA-ICPMS zircon U-Pb age determination: An inter-laboratory comparison. <i>Science China Earth Sciences</i> , 2015, 58, 1722-1730.   | 2.3 | 80        |
| 62 | Triassic high-Mg adakitic andesites from Linxi, Inner Mongolia: Insights into the fate of the Paleo-Asian ocean crust and fossil slab-derived melt-peridotite interaction. <i>Chemical Geology</i> , 2012, 328, 89-108.  | 1.4 | 79        |
| 63 | Collision-related genesis of the Sharang porphyry molybdenum deposit, Tibet: Evidence from zircon U-Pb ages, Re-Os ages and Lu-Hf isotopes. <i>Ore Geology Reviews</i> , 2014, 56, 312-326.  | 1.1 | 79        |
| 64 | U-Pb age, trace-element, and Hf-isotope compositions of zircon in a quartz vein from eclogite in the western Dabie Mountains: Constraints on fluid flow during early exhumation of ultrahigh-pressure rocks. <i>American Mineralogist</i> , 2009, 94, 303-312. | 0.9 | 78        |
| 65 | Early Palaeozoic high-pressure granulites from the Dunhuang block, northeastern Tarim Craton: constraints on continental collision in the southern Central Asian Orogenic Belt. <i>Journal of Metamorphic Geology</i> , 2012, 30, 753-768.                     | 1.6 | 78        |
| 66 | Remelting of Neoproterozoic relict volcanic arcs in the Middle Jurassic: Implication for the formation of the Dexing porphyry copper deposit, Southeastern China. <i>Lithos</i> , 2012, 150, 85-100.   | 0.6 | 78        |
| 67 | Total Rock Dissolution Using Ammonium Bifluoride (NH <sub>4</sub> HF <sub>2</sub> ) in Screw-Top Teflon Vials: A New Development in Open-Vessel Digestion. <i>Analytical Chemistry</i> , 2012, 84, 10686-10693.  | 3.2 | 77        |
| 68 | Heterogeneous potassium isotopic composition of the upper continental crust. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 122-136.  | 1.6 | 72        |
| 69 | Improved in situ Sr isotopic analysis by a 257 nm femtosecond laser in combination with the addition of nitrogen for geological minerals. <i>Chemical Geology</i> , 2018, 479, 10-21.  | 1.4 | 70        |
| 70 | In situ Nd isotope analyses in geological materials with signal enhancement and non-linear mass dependent fractionation reduction using laser ablation MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 232-244.                        | 1.6 | 69        |
| 71 | Early Jurassic high-K calc-alkaline and shoshonitic rocks from the Tongshi intrusive complex, eastern North China Craton: Implication for crust-mantle interaction and post-collisional magmatism. <i>Lithos</i> , 2012, 140-141, 183-199.                     | 0.6 | 67        |
| 72 | Paleo-Asian oceanic slab under the North China craton revealed by carbonatites derived from subducted limestones. <i>Geology</i> , 2016, 44, 1039-1042.  | 2.0 | 67        |

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|----|---|-----|-----------|
| 73 | Multiple crust-mantle interactions for the destruction of the North China Craton: Geochemical and Sr-Nd-Pb-Hf isotopic evidence from the Longbaoshan alkaline complex. <i>Lithos</i> , 2011, 122, 87-106.   | 0.6 | 64        |
| 74 | Geochemical and geochronological evidence for a former early Neoproterozoic microcontinent in the South Beishan Orogenic Belt, southernmost Central Asian Orogenic Belt. <i>Precambrian Research</i> , 2015, 266, 409-424.                                      | 1.2 | 64        |
| 75 | Accurate determination of lithium isotope ratios by MC-ICP-MS without strict matrix-matching by using a novel washing method. <i>Journal of Analytical Atomic Spectrometry</i> , 2016, 31, 390-397.   | 1.6 | 63        |
| 76 | In-situ trace elements and Li and Sr isotopes in peridotite xenoliths from Kuandian, North China Craton: Insights into Pacific slab subduction-related mantle modification. <i>Chemical Geology</i> , 2013, 354, 107-123.                                       | 1.4 | 62        |
| 77 | Water Vapor-Assisted "Universal" Nonmatrix-Matched Analytical Method for the in Situ U-Pb Dating of Zircon, Monazite, Titanite, and Xenotime by Laser Ablation-Inductively Coupled Plasma Mass Spectrometry. <i>Analytical Chemistry</i> , 2018, 90, 9016-9024. | 3.2 | 61        |
| 78 | Origin and evolution of granitoids associated with the Kadiri greenstone belt, eastern Dharwar craton: A history of orogenic to anorogenic magmatism. <i>Precambrian Research</i> , 2014, 246, 64-90.   | 1.2 | 60        |
| 79 | Refertilization-driven destabilization of subcontinental mantle and the importance of initial lithospheric thickness for the fate of continents. <i>Earth and Planetary Science Letters</i> , 2015, 409, 225-231.   | 1.8 | 58        |
| 80 | Calcium isotope fractionation during magmatic processes in the upper mantle. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 249, 121-137.   | 1.6 | 58        |
| 81 | First direct evidence of sedimentary carbonate recycling in subduction-related xenoliths. <i>Scientific Reports</i> , 2015, 5, 11547.   | 1.6 | 57        |
| 82 | A precise zircon Th-Pb age of carbonatite sills from the world's largest Bayan Obo deposit: Implications for timing and genesis of REE-Nb mineralization. <i>Precambrian Research</i> , 2017, 291, 202-219.   | 1.2 | 57        |
| 83 | Sulfide-bearing cumulates in deep continental arcs: The missing copper reservoir. <i>Earth and Planetary Science Letters</i> , 2020, 531, 115971.   | 1.8 | 57        |
| 84 | Preliminary Characterisation of New Reference Materials for Microanalysis: Chinese Geological Standard Glasses CGSG-1, CGSG-2, CGSG-4 and CGSG-5. <i>Geostandards and Geoanalytical Research</i> , 2011, 35, 235-251.   | 1.7 | 55        |
| 85 | Calcium Isotopic Compositions of Sixteen USGS Reference Materials. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 93-106.   | 1.7 | 55        |
| 86 | Mesozoic-Cenozoic mantle evolution beneath the North China Craton: A new perspective from Hf-Nd isotopes of basalts. <i>Gondwana Research</i> , 2015, 27, 1574-1585.  | 3.0 | 54        |
| 87 | An evolving magma chamber within extending lithosphere: An integrated geochemical, isotopic and zircon U-Pb geochronological study of the Gushan granite, eastern North China Craton. <i>Journal of Asian Earth Sciences</i> , 2012, 50, 27-43.                 | 1.0 | 52        |
| 88 | Late Cretaceous magmatism in Mamba area, central Lhasa subterrane: Products of back-arc extension of Neo-Tethyan Ocean?. <i>Gondwana Research</i> , 2014, 26, 505-520.  | 3.0 | 51        |
| 89 | Thermal-tectonic history of the Baogutu porphyry Cu deposit, West Junggar as constrained from zircon U-Pb, biotite Ar/Ar and zircon/apatite (U-Th)/He dating. <i>Journal of Asian Earth Sciences</i> , 2014, 79, 741-758.                                       | 1.0 | 50        |
| 90 | Re-Os evidence for the age and origin of peridotites from the Dabie-Sulu ultrahigh pressure metamorphic belt, China. <i>Chemical Geology</i> , 2007, 236, 323-338.  | 1.4 | 49        |

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|-----|---|-----|-----------|
| 91  | Overlapping Sr <sup>87</sup> /Nd <sup>143</sup> and Hf <sup>176</sup> /Yb <sup>173</sup> isotopic compositions in Permian mafic enclaves and host granitoids in Alxa Block, NW China: Evidence for crust-mantle interaction and implications for the generation of silicic igneous provinces. <i>Lithos</i> , 2015, 230, 133-145. | 0.6 | 49        |
| 92  | Subduction of Indian continent beneath southern Tibet in the latest Eocene (~ 35 Ma): Insights from the Quguosha gabbros in southern Lhasa block. <i>Gondwana Research</i> , 2017, 41, 77-92.   | 3.0 | 49        |
| 93  | Carbonate metasomatism in the lithospheric mantle: Implications for cratonic destruction in North China. <i>Science China Earth Sciences</i> , 2018, 61, 711-729.   | 2.3 | 49        |
| 94  | Measured and calculated seismic velocities and densities for granulites from xenolith occurrences and adjacent exposed lower crustal sections: A comparative study from the North China craton. <i>Journal of Geophysical Research</i> , 2000, 105, 18965-18976.  | 3.3 | 48        |
| 95  | Direct lead isotope analysis in Hg-rich sulfides by LA-MC-ICP-MS with a gas exchange device and matrix-matched calibration. <i>Analytica Chimica Acta</i> , 2016, 948, 9-18.  | 2.6 | 48        |
| 96  | U <sup>238</sup> -Pb zircon chronology, geochemistry and isotopes of the Changyi banded iron formation in the eastern Shandong Province: Constraints on BIF genesis and implications for Paleoproterozoic tectonic evolution of the North China Craton. <i>Ore Geology Reviews</i> , 2014, 56, 472-486.                           | 1.1 | 47        |
| 97  | Lithium isotope compositions of the Yangtze River headwaters: Weathering in high-relief catchments. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 280, 46-65.  | 1.6 | 47        |
| 98  | Suppression of interferences for direct determination of arsenic in geological samples by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2005, 20, 1263.  | 1.6 | 46        |
| 99  | NH <sub>4</sub> F assisted high pressure digestion of geological samples for multi-element analysis by ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2010, 25, 408.  | 1.6 | 44        |
| 100 | Determination of Zr isotopic ratios in zircons using laser-ablation multiple-collector inductively coupled-plasma mass-spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1800-1809.  | 1.6 | 43        |
| 101 | Magnesium isotopic composition of the deep continental crust. <i>American Mineralogist</i> , 2016, 101, 243-252.  | 0.9 | 42        |
| 102 | Thermal-chemical conditions of the North China Mesozoic lithospheric mantle and implication for the lithospheric thinning of cratons. <i>Earth and Planetary Science Letters</i> , 2019, 516, 1-11.   | 1.8 | 42        |
| 103 | Reassessment of HF/HNO <sub>3</sub> Decomposition Capability in the High-Pressure Digestion of Felsic Rocks for Multi-Element Determination by ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2012, 36, 271-289.  | 1.7 | 41        |
| 104 | Rapid bulk rock decomposition by ammonium fluoride (NH <sub>4</sub> F) in open vessels at an elevated digestion temperature. <i>Chemical Geology</i> , 2013, 355, 144-152.  | 1.4 | 41        |
| 105 | Carbonated sediment recycling and its contribution to lithospheric refertilization under the northern North China Craton. <i>Chemical Geology</i> , 2017, 466, 641-653.   | 1.4 | 41        |
| 106 | Pyroxenite and peridotite xenoliths from Hexigten, Inner Mongolia: Insights into the Paleo-Asian Ocean subduction-related melt/fluid-peridotite interaction. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 435-454.   | 1.6 | 40        |
| 107 | Magma source and tectonics of the Xiangshanzhong mafic-ultramafic intrusion in the Central Asian Orogenic Belt, NW China, traced from geochemical and isotopic signatures. <i>Lithos</i> , 2013, 170-171, 144-163.  | 0.6 | 39        |
| 108 | Determination of boron isotope compositions of geological materials by laser ablation MC-ICP-MS using newly designed high sensitivity skimmer and sample cones. <i>Chemical Geology</i> , 2014, 386, 22-30.   | 1.4 | 39        |

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|-----|--|-----|-----------|
| 109 | Subducted Mg-rich carbonates into the deep mantle wedge. <i>Earth and Planetary Science Letters</i> , 2018, 503, 118-130.  | 1.8 | 39        |
| 110 | Calcium isotope evidence for subduction-enriched lithospheric mantle under the northern North China Craton. <i>Geochimica Et Cosmochimica Acta</i> , 2018, 238, 55-67.   | 1.6 | 39        |
| 111 | Geochemistry and Sr <sup>87</sup> /Nd <sup>143</sup> /Pb <sup>207</sup> /Hf isotopes of the Mesozoic Dadian alkaline intrusive complex in the Sulu orogenic belt, eastern China: Implications for crust-mantle interaction. <i>Chemical Geology</i> , 2011, 285, 97-114. | 1.4 | 38        |
| 112 | In-situ U-Pb dating of uraninite by fs-LA-ICP-MS. <i>Science China Earth Sciences</i> , 2015, 58, 1731-1740.   | 2.3 | 38        |
| 113 | Implication of Mesoproterozoic (~1.4 Ga) magmatism within microcontinents along the southern Central Asian Orogenic Belt. <i>Precambrian Research</i> , 2019, 327, 314-326.  | 1.2 | 38        |
| 114 | Bulk compositions of the Chang-5 lunar soil: Insights into chemical homogeneity, exotic addition, and origin of landing site basalts. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 335, 284-296.   | 1.6 | 38        |
| 115 | Calcium isotopic compositions of oceanic crust at various spreading rates. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 272-288.  | 1.6 | 37        |
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