

# Hao Wang

## List of Publications by Year in descending order

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70  
papers

2,431  
citations

230014

27  
h-index

232693

48  
g-index

70  
all docs

70  
docs citations

70  
times ranked

1304  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mg-Ba-Sr-Nd isotopic evidence for a mantle origin of early Paleozoic arc magmatism. <i>Earth and Planetary Science Letters</i> , 2022, 577, 117263.	1.8	16
2	Natural Allanite Reference Materials for <i>In Situ</i> U-Pb and Sm-Nd Isotopic Measurements by LA-MC-ICP-MS. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 169-203.	1.7	9
3	<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.	1.6	7
4	Assessing the U-Pb, Sm-Nd and Sr-Sr Isotopic Compositions of the Sumatran Apatite as a Reference Material for LA-ICP-MS Analysis. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 71-95.	1.7	13
5	Redox heterogeneity of picritic lavas with respect to their mantle sources in the Emeishan large igneous province. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 320, 161-178.	1.6	8
6	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.	1.6	9
7	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.	1.4	16
8	Geochronological and geochemical constraints on the origin of highly $^{13}\text{C}$ -depleted calcite in basal Ediacaran cap carbonate. <i>Geological Magazine</i> , 2022, 159, 1323-1334.	0.9	14
9	<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.	2.3	15
10	Magmatic chlorine isotope fractionation recorded in apatite from Chang'e-5 basalts. <i>Earth and Planetary Science Letters</i> , 2022, 591, 117636.	1.8	14
11	A natural plagioclase reference material for microbeam Sr isotopic analysis. <i>Journal of Analytical Atomic Spectrometry</i> , 2022, 37, 1706-1714.	1.6	8
12	Khan River and Bear Lake: Two Natural Titanite Reference Materials for High-Spatial Resolution U-Pb Microanalysis. <i>Geostandards and Geoanalytical Research</i> , 2022, 46, 701-733.	1.7	6
13	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.	1.6	8
14	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.	1.7	9
15	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.	1.5	1
16	Methodology for in situ wolframite U-Pb dating and its application. <i>Science China Earth Sciences</i> , 2021, 64, 187-190.	2.3	12
17	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.	1.6	12
18	Geodynamics of decratonization and related magmatism and mineralization in the North China Craton. <i>Science China Earth Sciences</i> , 2021, 64, 1409-1427.	2.3	43

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19	Initial subduction-related magmatism in southern Alaska identified by geochemistry and zircon Hf-O isotopes. <i>Science Bulletin</i> , 2021, 66, 1030-1036.	4.3	3
20	Two-stage hybrid origin of Lachlan S-type magmas: A re-appraisal using isotopic microanalysis of lithic inclusion minerals. <i>Lithos</i> , 2021, 402-403, 106378.	0.6	5
21	Isotopic Compositions (Li, Si, Mg, Sr, Nd, Hf) and Fe <sup>2+</sup> /Fe Ratios of Three Synthetic Andesite Class Reference Materials (ARM1, ARM2, ARM3). <i>Geostandards and Geoanalytical Research</i> , 2021, 45, 719-745.	1.7	32
22	Further characterization of SA01 and SA02 zircon reference materials for Si and Zr isotopic compositions via femtosecond laser ablation MC-ICP-MS. <i>Journal of Analytical Atomic Spectrometry</i> , 2021, 36, 2192-2201.	1.6	14
23	Non-KREEP origin for Chang'e-5 basalts in the Procellarum KREEP Terrane. <i>Nature</i> , 2021, 600, 59-63.	13.7	124
24	U-Pb and Sm-Nd systematics of natural LREE-enriched minerals using single laser ablation multi-collector inductively coupled plasma mass spectrometry. <i>SCIENTIA SINICA Terrae</i> , 2021, 51,		
25	Tungsten isotopic constraints on homogenization of the Archean silicate Earth: Implications for the transition of tectonic regimes. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 278, 51-64.	1.6	21
26	In situ 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.	1.6	2
27	SA01 – 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.	1.7	69
28	Extensive magmatism and metamorphism at ca. 3.2 Ga in the eastern Kaapvaal Craton. <i>Precambrian Research</i> , 2020, 351, 105952.	1.2	9
29	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, 784-794.	1.4	14
30	Improved in situ zircon U-Pb dating at high spatial resolution (5-16 μm) 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.	0.7	33
31	Natural Clinopyroxene Reference Materials for in situ Sr Isotopic Analysis via LA-MC-ICP-MS. <i>Frontiers in Chemistry</i> , 2020, 8, 594316.	1.8	12
32	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.	2.3	12
33	Geochemical and Sr-Nd-Hf-O isotopic constraints on the source and petrogenesis of the Xiangshuigou silicic alkaline igneous complex from the northern margin of the North China Craton. <i>Lithos</i> , 2020, 378-379, 105866.	0.6	8
34	Triassic lithospheric modification of the northern North China Craton: Evidences from the composite Kalaqin Batholith and ultramafic-mafic Heilihe Intrusive Complex in Inner Mongolia. <i>Lithos</i> , 2020, 362-363, 105501.	0.6	6
35	Mesoproterozoic (~1.32 Ga) modification of lithospheric mantle beneath the North China craton caused by break-up of the Columbia supercontinent. <i>Precambrian Research</i> , 2020, 342, 105674.	1.2	18
36	Characteristic Performance of Guard Electrode in SF <sub>6</sub> -ICP-MS for Multi-Element Quantification. <i>Atomic Spectroscopy</i> , 2020, 41, 154-161.	0.4	5

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37	Methanogenesis sustained by sulfide weathering during the Great Oxidation Event. <i>Nature Geoscience</i> , 2019, 12, 296-300.	5.4	44
38	Non-subduction origin for 3.2 Ga high-pressure metamorphic rocks in the Barberton granitoid-greenstone terrane, South Africa. <i>Terra Nova</i> , 2019, 31, 373-380.	0.9	18
39	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.	0.8	1
40	A Palaeoproterozoic basement beneath the Rangnim Massif revealed by the in situ U-Pb ages and Hf isotopes of xenocrystic zircons from Triassic kimberlites of North Korea. <i>Geological Magazine</i> , 2019, 156, 1657-1667.	0.9	4
41	Identification of ca. 2.65 Ga TGCs in the Yudongzi complex and its implications for the early evolution of the Yangtze Block. <i>Precambrian Research</i> , 2018, 314, 240-263.	1.2	76
42	Generation of post-collisional normal calc-alkaline and adakitic granites in the Tongbai orogen, central China. <i>Lithos</i> , 2018, 296-299, 513-531.	0.6	26
43	—...é<~âZ<æ   ^è¼%â² ©ä,é•žè<±è”è,,%â½/2“çš,,é”†çÿ³U-Pbâ´é¼,,âšâ...†âœ°è”æ,,â¹%. <i>Diqiu Kexue - Zhongguo Dizhi Daxue Geosciences</i> , 2018, 43, 389.	0.1	1
44	Petrogenesis of Jurassic tungsten-bearing granites in the Nanling Range, South China: Evidence from whole-rock geochemistry and zircon U-Pb and Hf-O isotopes. <i>Lithos</i> , 2017, 278-281, 166-180.	0.6	58
45	Petrogenesis of the Huashuguan A-type granite complex and its implications for the early evolution of the Yangtze Block. <i>Precambrian Research</i> , 2017, 292, 57-74.	1.2	66
46	Tracing crustal evolution by U-Th-Pb, Sm-Nd, and Lu-Hf isotopes in detrital monazite and zircon from modern rivers. <i>Geology</i> , 2017, 45, 103-106.	2.0	30
47	Crustal basement controls granitoid magmatism, and implications for generation of continental crust in subduction zones: A Sr-Nd-Hf-O isotopic study from the Paleozoic Tongbai orogen, central China. <i>Lithos</i> , 2017, 282-283, 298-315.	0.6	27
48	Zircon Hf-O isotope evidence for recycled oceanic and continental crust in the sources of alkaline rocks. <i>Geology</i> , 2017, 45, 407-410.	2.0	85
49	Geochemical and Re-Os isotope constraints on the origin and age of the Songshugou peridotite massif in the Qinling orogen, central China. <i>Lithos</i> , 2017, 292-293, 307-319.	0.6	23
50	Early Paleozoic high-Mg granodiorite from the Erlangping unit, North Qinling orogen, central China: Partial melting of metasomatic mantle during the initial back-arc opening. <i>Lithos</i> , 2017, 288-289, 282-294.	0.6	22
51	Distinct zircon U-Pb and O-Hf-Nd-Sr isotopic behaviour during fluid flow in UHP metamorphic rocks: evidence from metamorphic veins and their host eclogite in the Sulu Orogen, China. <i>Journal of Metamorphic Geology</i> , 2016, 34, 343-362.	1.6	18
52	Continental growth through accreted oceanic arc: Zircon Hf-O isotope evidence for granitoids from the Qinling orogen. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 182, 109-130.	1.6	51
53	The 2.65 Ga A-type granite in the northeastern Yangtze craton: Petrogenesis and geological implications. <i>Precambrian Research</i> , 2015, 258, 247-259.	1.2	87
54	Genesis of adakitic granitoids by partial melting of thickened lower crust and its implications for early crustal growth: A case study from the Huichizi pluton, Qinling orogen, central China. <i>Lithos</i> , 2015, 238, 1-12.	0.6	64

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55	Geochronology, geochemistry, and isotope compositions of Piaoichi S-type granitic intrusion in the Qinling orogen, central China: Petrogenesis and tectonic significance. <i>Lithos</i> , 2014, 202-203, 347-362.	0.6	47
56	Deep subduction of continental crust in accretionary orogen: Evidence from U–Pb dating on diamond-bearing zircons from the Qinling orogen, central China. <i>Lithos</i> , 2014, 190-191, 420-429.	0.6	68
57	LA–ICP–MS monazite U–Pb age and trace element constraints on the granulite-facies metamorphism in the Tongbai orogen, central China. <i>Journal of Asian Earth Sciences</i> , 2014, 82, 90-102.	1.0	30
58	Petrogenesis of Neoproterozoic TTG rocks in the Yangtze Craton and its implication for the formation of Archean TTGs. <i>Precambrian Research</i> , 2014, 254, 73-86.	1.2	141
59	Zircon U–Pb ages and Hf isotope compositions of migmatites from the North Qinling terrane and their geological implications. <i>Journal of Metamorphic Geology</i> , 2014, 32, 177-193.	1.6	40
60	Record of multiple stage channelized fluid and melt activities in deeply subducted slab from zircon U–Pb age and Hf–O isotope compositions. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 144, 1-24.	1.6	51
61	Recycling of sediment into the mantle source of K-rich mafic rocks: Sr–Nd–Hf–O isotopic evidence from the Fushui complex in the Qinling orogen. <i>Contributions To Mineralogy and Petrology</i> , 2014, 168, 1.	1.2	62
62	Continental origin of eclogites in the North Qinling terrane and its tectonic implications. <i>Precambrian Research</i> , 2013, 230, 13-30.	1.2	101
63	Age and geochemistry of Silurian gabbroic rocks in the Tongbai orogen, central China: Implications for the geodynamic evolution of the North Qinling arc–back-arc system. <i>Lithos</i> , 2013, 179, 1-15.	0.6	64
64	<sup>40</sup> Ar/ <sup>39</sup> Ar geochronology constraints on the formation age of Myanmar jadeitite. <i>Lithos</i> , 2013, 162-163, 107-114.	0.6	12
65	First record and timing of UHP metamorphism from zircon in the Xitieshan terrane: Implications for the evolution of the entire North Qaidam metamorphic belt. <i>American Mineralogist</i> , 2012, 97, 1083-1093.	0.9	54
66	Geochemistry and zircon U–Pb geochronology of Paleoproterozoic arc related granitoid in the Northwestern Yangtze Block and its geological implications. <i>Precambrian Research</i> , 2012, 200-203, 26-37.	1.2	179
67	U–Pb ages and trace elements of detrital zircons from Early Cretaceous sedimentary rocks in the Jiaolai Basin, north margin of the Sulu UHP terrane: Provenances and tectonic implications. <i>Lithos</i> , 2012, 154, 346-360.	0.6	76
68	Triassic high-pressure metamorphism in the Huwan shear zone: Tracking the initial subduction of continental crust in the whole Dabie orogen. <i>Lithos</i> , 2012, 136-139, 60-72.	0.6	20
69	Eclogite origin and timings in the North Qinling terrane, and their bearing on the amalgamation of the South and North China Blocks. <i>Journal of Metamorphic Geology</i> , 2011, 29, 1019-1031.	1.6	124
70	Silurian granulite-facies metamorphism, and coeval magmatism and crustal growth in the Tongbai orogen, central China. <i>Lithos</i> , 2011, 125, 249-271.	0.6	60