

Huaiyu He

List of Publications by Year in descending order

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85
papers

2,261
citations

172457

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all docs

85
docs citations

85
times ranked

2050
citing authors

#	ARTICLE	IF	CITATIONS
1	Potassic Magmatism in Western Sichuan and Yunnan Provinces, SE Tibet, China: Petrological and Geochemical Constraints on Petrogenesis. <i>Journal of Petrology</i> , 2005, 46, 33-78.	2.8	229
2	Interpreting and reporting $^{40}\text{Ar}/^{39}\text{Ar}$ geochronologic data. <i>Bulletin of the Geological Society of America</i> , 2021, 133, 461-487.	3.3	102
3	A dry lunar mantle reservoir for young mare basalts of Chang'e-5. <i>Nature</i> , 2021, 600, 49-53.	27.8	91
4	Toward age determination of the M0r (Barremian–Aptian boundary) of the Early Cretaceous. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 41-48.	1.9	82
5	SIMS U-Pb zircon age of a tuff layer in the Meishucun section, Yunnan, southwest China: Constraint on the age of the Precambrian-Cambrian boundary. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1385-1392.	0.9	79
6	Magnetostratigraphy of the Dali Basin in Yunnan and implications for late Neogene rotation of the southeast margin of the Tibetan Plateau. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 791-807.	3.4	75
7	$^{40}\text{Ar}/^{39}\text{Ar}$ dating of Usol'skii sill in the south-eastern Siberian Traps Large Igneous Province: evidence for long-lived magmatism. <i>Terra Nova</i> , 2005, 17, 203-208.	2.1	72
8	High-precision U–Pb geochronologic constraints on the Late Cretaceous terrestrial cyclostratigraphy and geomagnetic polarity from the Songliao Basin, Northeast China. <i>Earth and Planetary Science Letters</i> , 2016, 446, 37-44.	4.4	67
9	Toward age determination of the termination of the Cretaceous Normal Superchron. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	66
10	Noble gas isotopes in corundum and peridotite xenoliths from the eastern North China Craton: Implication for comprehensive refertilization of lithospheric mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 189, 185-191.	1.9	63
11	Stratigraphy and age of the Daohugou Bed in Ningcheng, Inner Mongolia. <i>Science Bulletin</i> , 2005, 50, 2369-2376.	1.7	53
12	Paleomagnetic and geochronological constraints on the post-collisional northward convergence of the southwest Tian Shan, NW China. <i>Tectonophysics</i> , 2005, 409, 107-124.	2.2	50
13	Multiple isotope composition (S, Pb, H, O, He, and Ar) and genetic implications for gold deposits in the Jiapigou gold belt, Northeast China. <i>Mineralium Deposita</i> , 2014, 49, 145-164.	4.1	49
14	Volcanism in the Baikal rift: 40years of active-versus-passive model discussion. <i>Earth-Science Reviews</i> , 2015, 148, 18-43.	9.1	47
15	New age determination of the Cenozoic Lunpola basin, central Tibet. <i>Geological Magazine</i> , 2012, 149, 141-145.	1.5	46
16	Rapid drift of the Tethyan Himalaya terrane before two-stage India-Asia collision. <i>National Science Review</i> , 2021, 8, nwaa173.	9.5	46
17	Palaeomagnetism and $^{40}\text{Ar}/^{39}\text{Ar}$ age from a Cretaceous volcanic sequence, Inner Mongolia, China: Implications for the field variation during the Cretaceous normal superchron. <i>Physics of the Earth and Planetary Interiors</i> , 2008, 169, 59-75.	1.9	39
18	The appearance and duration of the Jehol Biota: Constraint from SIMS U-Pb zircon dating for the Huajiying Formation in northern China. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 14299-14305.	7.1	38

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37	New geochronological constraints for the Upper Cretaceous Nenjiang Formation in the Songliao Basin, NE China. <i>Cretaceous Research</i> , 2019, 102, 160-169.	1.4	20
38	Palaeointensity just at the onset of the Cretaceous normal superchron. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 199-211.	1.9	18
39	He and Ar isotope geochemistry of pyroxene megacrysts and mantle xenoliths in Cenozoic basalt from the Changle-Linqu area in western Shandong. <i>Science Bulletin</i> , 2014, 59, 396-411.	1.7	18
40	Age and origin of charoite, Malyy Murun massif, Siberia, Russia. <i>International Geology Review</i> , 2014, 56, 1007-1019.	2.1	18
41	New SIMS U-Pb geochronology for the Shahezi Formation from CCSD-SK-IIe borehole in the Songliao Basin, NE China. <i>Science Bulletin</i> , 2020, 65, 1049-1051.	9.0	17
42	A Potential (U-Th)/He Zircon Reference Material from Penglai Zircon Megacrysts. <i>Geostandards and Geoanalytical Research</i> , 2017, 41, 359-365.	3.1	16
43	Neogene-Quaternary magnetostratigraphy of the biogenic reef sequence of core NK-1 in Nansha Qundao, South China Sea. <i>Science Bulletin</i> , 2021, 66, 200-203.	9.0	16
44	New geochronological constraints for the Lower Cretaceous Jiufotang Formation in Jianchang Basin, NE China, and their implications for the late Jehol Biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 583, 110657.	2.3	15
45	A mixture of mantle and crustal derived He-Ar-S ore-forming fluids at the Baogutu reduced porphyry Cu deposit, western Junggar. <i>Journal of Asian Earth Sciences</i> , 2015, 98, 188-197.	2.3	14
46	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
47	SIMS zircon U-Pb dating of the Late Cretaceous dinosaur egg-bearing red deposits in the Tiantai Basin, southeastern China. <i>Journal of Asian Earth Sciences</i> , 2013, 62, 654-661.	2.3	13
48	The Sources of Ore-forming Fluids from the Jinchang Gold Deposit, Heilongjiang Province, NE China: Constraints from the He-Ar Isotopic Evidence. <i>Resource Geology</i> , 2017, 67, 330-340.	0.8	13
49	New SIMS U-Pb age constraints on the largest lake transgression event in the Songliao Basin, NE China. <i>PLoS ONE</i> , 2018, 13, e0199507.	2.5	13
50	$^{40}\text{Ar}/^{39}\text{Ar}$ dating and preliminary paleointensity determination on a single lava flow from Chifeng, Inner Mongolia. <i>Physics of the Earth and Planetary Interiors</i> , 2005, 152, 78-89.	1.9	12
51	Effect of gas emissions from Tianchi volcano (NE China) on environment and its potential volcanic hazards. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 304-310.	0.9	12
52	The Potential of Marine Ferromanganese Nodules From Eastern Pacific as Recorders of Earth's Magnetic Field Changes During the Past 4.7 Myr: A Geochronological Study by Magnetic Scanning and Authigenic $^{10}\text{Be}/^{9}\text{Be}$ Dating. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018639.	3.4	12
53	Clockwise rotations recorded in redbeds from the Jinggu Basin of northwestern Indochina. <i>Bulletin of the Geological Society of America</i> , 0, , B31637.1.	3.3	11
54	He, Ar, and S isotopic compositions and origin of giant porphyry Mo deposits in the Lesser Xing'an Range-Zhangguangcai Range metallogenic belt, northeast China. <i>Journal of Asian Earth Sciences</i> , 2018, 165, 228-240.	2.3	11

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55	Nature and evolution of the lithospheric mantle revealed by water contents and He-Ar isotopes of peridotite xenoliths from Changbaishan and Longgang basalts in Northeast China. <i>Science Bulletin</i> , 2019, 64, 1325-1335.	9.0	11
56	Oxygen isotopes in HED meteorites and their constraints on parent asteroids. <i>Planetary and Space Science</i> , 2019, 168, 83-94.	1.7	11
57	Implantation of Earth's Atmospheric Ions Into the Nearside and Farside Lunar Soil: Implications to Geodynamo Evolution. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086208.	4.0	11
58	High-precision geochronology of the Early Cretaceous Yingcheng Formation and its stratigraphic implications for Songliao Basin, China. <i>Geoscience Frontiers</i> , 2022, 13, 101386.	8.4	11
59	Paleomagnetic and geochronological study of the Halaqiaola basalts, southern margin of the Altai Mountains, northern Xinjiang: Constraints on neotectonic convergent patterns north of Tibet. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	10
60	⁴⁰ Ar/ ³⁹ Ar dating results from the Shijiatusun Formation, Jiaolai Basin: New age constraints on the Cretaceous terrestrial volcanic-sedimentary sequence of China. <i>Cretaceous Research</i> , 2018, 86, 251-260.	1.4	10
61	Early Cretaceous Terrestrial Milankovitch Cycles in the Luanping Basin, North China and Time Constraints on Early Stage Jehol Biota Evolution. <i>Frontiers in Earth Science</i> , 2020, 8, .	1.8	10
62	Laser step-heating ⁴⁰ Ar/ ³⁹ Ar dating on young volcanic rocks. <i>Science Bulletin</i> , 2006, 51, 2892-2896.	1.7	8
63	The exceptionally preserved Early Cretaceous "Moqi Fauna" from eastern Inner Mongolia, China, and its age relationship with the Jehol Biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 589, 110824.	2.3	8
64	Petrographic shock indicators and noble gas signatures in a H and an L chondrite from Antarctica. <i>Planetary and Space Science</i> , 2017, 146, 20-29.	1.7	7
65	New geochronology of the Lower Cretaceous in the Luanping Basin, northern Hebei: Age constraints on the development of early Jehol Biota. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 586, 110768.	2.3	7
66	Reviewing Martian Atmospheric Noble Gas Measurements: From Martian Meteorites to Mars Missions. <i>Geosciences (Switzerland)</i> , 2020, 10, 439.	2.2	6
67	The noble gases in five ordinary chondrites from Grove Mountains in Antarctica. <i>Planetary and Space Science</i> , 2020, 192, 105045.	1.7	6
68	SIMS U-Pb geochronology for the Jurassic Yanliao Biota from Bawanggou section, Qinglong (northern Hebei Province, China). <i>International Geology Review</i> , 2021, 63, 265-275.	2.1	6
69	Recycled noble gases preserved in podiform chromitites from Luobusa, Tibet. <i>Chemical Geology</i> , 2017, 469, 97-109.	3.3	5
70	Magnetostratigraphy of the Upper Cretaceous and Lower Paleocene terrestrial sequence, Jiaolai Basin, eastern China. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2020, 538, 109451.	2.3	5
71	Plio-Pleistocene Establishment of Irtysh River in Junggar, Northwest China: Implications for Siberian-Arctic River System Evolution and Resulting Climate Impact. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL093217.	4.0	5
72	Light noble gas records and cosmic ray exposure histories of recent ordinary chondrite falls. <i>Meteoritics and Planetary Science</i> , 0, , .	1.6	5

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73	Age determination of oriented rutile inclusions in sapphire and of moonstone from the Mogok metamorphic belt, Myanmar. <i>American Mineralogist</i> , 2021, 106, 1852-1859.	1.9	4
74	Magnetostratigraphy of the Upper Cretaceous Nenjiang Formation in the Songliao Basin, northeast China: Implications for age constraints on terminating the Cretaceous Normal Superchron. <i>Cretaceous Research</i> , 2022, 135, 105213.	1.4	4
75	Response of the PRISMA-YBJ Detectors to Earthquakes. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2019, 83, 607-610.	0.6	3
76	Mesozoic Tectono-Thermal Event of the Qinshui Basin, Central North China Craton: Insights From Illite Crystallinity and Vitrinite Reflectance. <i>Frontiers in Earth Science</i> , 2021, 9, .	1.8	3
77	ISEA reversed event in the Cretaceous Normal Superchron (CNS): ⁴⁰ Ar/ ³⁹ Ar dating and paleomagnetic results. <i>Science Bulletin</i> , 2004, 49, 926-930.	1.7	2
78	Noble gas diffusion mechanism in lunar soil simulant grains: Results from ⁴ He+ implantation and extraction experiments. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 566-577.	3.2	2
79	Helium, neon and argon in alkaline basalt-related corundum megacrysts: Implications for their origin and forming process. <i>Geochimica Et Cosmochimica Acta</i> , 2022, , .	3.9	2
80	Binary mixing of lithospheric mantle and asthenosphere beneath Tengchong volcano, SE Tibet: evidence from noble gas isotopic signatures. <i>International Geology Review</i> , 2023, 65, 236-252.	2.1	2
81	Ultra-violet laser probe measurement of ⁴⁰ Ar/ ³⁹ Ar age profile in phlogopite. <i>Science Bulletin</i> , 2004, 49, 1949.	1.7	1
82	Exploration of apatite (U Th)/He geochronological analysis of volcanic units in fossil-bearing strata of the Homa Peninsula, southwestern Kenya. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2021, 579, 110599.	2.3	1
83	Ultra-violet laser probe measurement of ⁴⁰ Ar/ ³⁹ Ar age profile in phlogopite. <i>Science Bulletin</i> , 2004, 49, 1949-1952.	1.7	0
84	Timing of Secondary Hydrothermal Alteration of the Luobusa Chromitites Constrained by Ar/Ar Dating of Chrome Chlorites. <i>Minerals (Basel, Switzerland)</i> , 2018, 8, 230.	2.0	0
85	A Petrologic and Noble Gas Isotopic Study of New Basaltic Eucrite Grove Mountains 13001 from Antarctica. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 279.	2.0	0