

# Huaiyu He

## List of Publications by Year in descending order

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85  
papers

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172457

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#	ARTICLE	IF	CITATIONS
1	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
2	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
3	In situ detection of water on the Moon by the Chang'e-5 lander. <i>Science Advances</i> , 2022, 8, eabl9174.	10.3	28
4	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
5	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
6	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
7	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
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	Rapid drift of the Tethyan Himalaya terrane before two-stage India-Asia collision. <i>National Science Review</i> , 2021, 8, nwaa173.	9.5	46
10	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
11	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
12	SIMS U-Pb geochronology for the Jurassic Yanliao Biota from Bawangou section, Qinglong (northern Hebei Province, China). <i>International Geology Review</i> , 2021, 63, 265-275.	2.1	6
13	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
14	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
15	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
16	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
17	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
18	A dry lunar mantle reservoir for young mare basalts of Chang'e-5. <i>Nature</i> , 2021, 600, 49-53.	27.8	91

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19	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
20	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
21	Reviewing Martian Atmospheric Noble Gas Measurements: From Martian Meteorites to Mars Missions. <i>Geosciences (Switzerland)</i> , 2020, 10, 439.	2.2	6
22	The noble gases in five ordinary chondrites from Grove Mountains in Antarctica. <i>Planetary and Space Science</i> , 2020, 192, 105045.	1.7	6
23	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
24	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
25	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
26	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
27	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
28	Overview of lunar exploration and International Lunar Research Station. <i>Chinese Science Bulletin</i> , 2020, 65, 2577-2586.	0.7	23
29	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
30	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
31	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
32	Oxygen isotopes in HED meteorites and their constraints on parent asteroids. <i>Planetary and Space Science</i> , 2019, 168, 83-94.	1.7	11
33	$^{40}\text{Ar}/^{39}\text{Ar}$ dating results from the Shijiataun 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
34	Noble gases in pyrites from the Guocheng-Liaoshang gold belt in the Jiaodong province: Evidence for a mantle source of gold. <i>Chemical Geology</i> , 2018, 480, 105-115.	3.3	37
35	$^{40}\text{Ar}/^{39}\text{Ar}$ age of the onset of high-Ti phase of the Emeishan volcanism strengthens the link with the end-Guadalupian mass extinction. <i>International Geology Review</i> , 2018, 60, 1906-1917.	2.1	33
36	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

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37	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
38	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
39	Origin of ore-forming fluids of the Haigou gold deposit in the eastern Central Asian Orogenic belt, NE China: Constraints from H-O-He-Ar isotopes. <i>Journal of Asian Earth Sciences</i> , 2017, 144, 384-397.	2.3	31
40	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
41	Recycled noble gases preserved in podiform chromitites from Luobusa, Tibet. <i>Chemical Geology</i> , 2017, 469, 97-109.	3.3	5
42	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
43	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
44	High-precision U-Pb geochronology of the Jurassic Yunnan-Bianchi from Jiangchuan (western Liaoning Province, China): Age constraints on the rise of feathered dinosaurs and eutherian mammals. <i>Geochemistry, Geophysics, Geosystems</i> , 2016, 17, 3983-3992.	2.5	24
45	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
46	Volcanism in the Baikal rift: 40 years of active-versus-passive model discussion. <i>Earth-Science Reviews</i> , 2015, 148, 18-43.	9.1	47
47	New evidence for the presence of Changbaishan Millennium eruption ash in the Longgang volcanic field, Northeast China. <i>Gondwana Research</i> , 2015, 28, 52-60.	6.0	33
48	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
49	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
50	Geomagnetic field excursion recorded 17%ka at Tianchi Volcano, China: New <sup>40</sup> Ar/ <sup>39</sup> Ar age and significance. <i>Geophysical Research Letters</i> , 2014, 41, 2794-2802.	4.0	31
51	He and Ar isotope geochemistry of pyroxene megacrysts and mantle xenoliths in Cenozoic basalt from the Changling-Linqu area in western Shandong. <i>Science Bulletin</i> , 2014, 59, 396-411.	1.7	18
52	Superimposed tectono-metamorphic episodes of Jurassic and Eocene age in the jadeite uplift, Myanmar, as revealed by <sup>40</sup> Ar/ <sup>39</sup> Ar dating. <i>Gondwana Research</i> , 2014, 26, 464-474.	6.0	30
53	Age and origin of charoitite, Malyy Murun massif, Siberia, Russia. <i>International Geology Review</i> , 2014, 56, 1007-1019.	2.1	18
54	Tectonic and sedimentary evolution of the late Miocene-Pleistocene Dali Basin in the southeast margin of the Tibetan Plateau: Evidences from anisotropy of magnetic susceptibility and rock magnetic data. <i>Tectonophysics</i> , 2014, 629, 362-377.	2.2	20

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55	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
56	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
57	U-Pb zircon 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
58	New age determination of the Cenozoic Lunpola basin, central Tibet. <i>Geological Magazine</i> , 2012, 149, 141-145.	1.5	46
59	Toward age determination of the termination of the Cretaceous Normal Superchron. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	66
60	New <sup>40</sup> Ar/ <sup>39</sup> Ar dating results from the Shanwang Basin, eastern China: Constraints on the age of the Shanwang Formation and associated biota. <i>Physics of the Earth and Planetary Interiors</i> , 2011, 187, 66-75.	1.9	36
61	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
62	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
63	Noble gas diffusion mechanism in lunar soil simulant grains: Results from <sup>4</sup> He+ implantation and extraction experiments. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 566-577.	3.2	2
64	Chemical Zone of Nephrite in Alamas, Xinjiang, China. <i>Resource Geology</i> , 2010, 60, 249-259.	0.8	35
65	<sup>40</sup> Ar/ <sup>39</sup> Ar dating of intrusive magmatism in the Angara-Taseevskaya syncline and its implication for duration of magmatism of the Siberian traps. <i>Journal of Asian Earth Sciences</i> , 2009, 35, 1-12.	2.3	34
66	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
67	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
68	Palaeomagnetism and <sup>40</sup> Ar/ <sup>39</sup> 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
69	Petrogenesis and magma residence time of lavas from Tengchong volcanic field (China): Evidence from U series disequilibria and <sup>40</sup> Ar/ <sup>39</sup> Ar dating. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	34
70	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
71	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
72	Intercalibration of international and domestic <sup>40</sup> Ar/ <sup>39</sup> Ar dating standards. <i>Science in China Series D: Earth Sciences</i> , 2006, 49, 461-470.	0.9	20

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73	Laser step-heating $^{40}\text{Ar}/^{39}\text{Ar}$ dating on young volcanic rocks. <i>Science Bulletin</i> , 2006, 51, 2892-2896.	1.7	8
74	$^{40}\text{Ar}/^{39}\text{Ar}$ chronology and geochemistry of high-K volcanic rocks in the Mangkang basin, Tibet. <i>Science in China Series D: Earth Sciences</i> , 2005, 48, 1-12.	0.9	34
75	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
76	Stratigraphy and age of the Daohugou Bed in Ningcheng, Inner Mongolia. <i>Science Bulletin</i> , 2005, 50, 2369-2376.	1.7	53
77	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
78	$^{40}\text{Ar}/^{39}\text{Ar}$ 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
79	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
80	Ultra-violet laser probe measurement of $^{40}\text{Ar}/^{39}\text{Ar}$ age profile in phlogopite. <i>Science Bulletin</i> , 2004, 49, 1949.	1.7	1
81	ISEA reversed event in the Cretaceous Normal Superchron (CNS): $^{40}\text{Ar}/^{39}\text{Ar}$ dating and paleomagnetic results. <i>Science Bulletin</i> , 2004, 49, 926-930.	1.7	2
82	Ultra-violet laser probe measurement of $^{40}\text{Ar}/^{39}\text{Ar}$ age profile in phlogopite. <i>Science Bulletin</i> , 2004, 49, 1949-1952.	1.7	0
83	The mass estimation of volatile emission during 1199â€“1200 AD eruption of Baitoushan volcano and its significance. <i>Science in China Series D: Earth Sciences</i> , 2002, 45, 530.	0.9	30
84	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
85	Light noble gas records and cosmic ray exposure histories of recent ordinary chondrite falls. <i>Meteoritics and Planetary Science</i> , 0, , .	1.6	5