

# Hejiu Hui

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,141  
citations

471509

17  
h-index

501196

28  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Toward a general viscosity equation for natural anhydrous and hydrous silicate melts. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 403-416.	3.9	253
2	Water in lunar anorthosites and evidence for a wet early Moon. <i>Nature Geoscience</i> , 2013, 6, 177-180.	12.9	165
3	A dry lunar mantle reservoir for young mare basalts of Changâ€™e-5. <i>Nature</i> , 2021, 600, 49-53.	27.8	91
4	Microplastics in a wind farm area: A case study at the Rudong Offshore Wind Farm, Yellow Sea, China. <i>Marine Pollution Bulletin</i> , 2018, 128, 466-474.	5.0	84
5	Transport properties of silicate melts. <i>Reviews of Geophysics</i> , 2015, 53, 715-744.	23.0	66
6	Pressure dependence of the speciation of dissolved water in rhyolitic melts. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3229-3240.	3.9	54
7	Pressure dependence of viscosity of rhyolitic melts. <i>Geochimica Et Cosmochimica Acta</i> , 2009, 73, 3680-3693.	3.9	53
8	Petrogenesis of basaltic shergottite Northwest Africa 5298: Closedâ€™system crystallization of an oxidized mafic melt. <i>Meteoritics and Planetary Science</i> , 2011, 46, 1313-1328.	1.6	44
9	A heterogeneous lunar interior for hydrogen isotopes as revealed by the lunar highlands samples. <i>Earth and Planetary Science Letters</i> , 2017, 473, 14-23.	4.4	36
10	Investigation into the petrogenesis of Apollo 14 high-Al basaltic melts through crystal stratigraphy of plagioclase. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6439-6460.	3.9	34
11	Plumeâ€™cratonic lithosphere interaction recorded by water and other trace elements in peridotite xenoliths from the <sc>L</sc>abait volcano, <sc>T</sc>anzania. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 1687-1710.	2.5	34
12	In situ detection of water on the Moon by the Changâ€™e-5 lander. <i>Science Advances</i> , 2022, 8, eabl9174.	10.3	28
13	Zircon water content: reference material development and simultaneous measurement of oxygen isotopes by SIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2019, 34, 1088-1097.	3.0	26
14	Reconciling the discrepancy between the dehydration rates in mantle olivine and pyroxene during xenolith emplacement. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 267, 179-195.	3.9	22
15	Experimental constraints on the solidification of a hydrous lunar magma ocean. <i>Meteoritics and Planetary Science</i> , 2020, 55, 207-230.	1.6	20
16	Cooling rates of lunar orange glass beads. <i>Earth and Planetary Science Letters</i> , 2018, 503, 88-94.	4.4	19
17	Formation of lunar highlands anorthosites. <i>Earth and Planetary Science Letters</i> , 2020, 536, 116138.	4.4	19
18	A lunar hygrometer based on plagioclase-melt partitioning of water. <i>Geochemical Perspectives Letters</i> , 0,, 14-19.	5.0	14

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19	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
20	Petrogenetic association of the oldest lunar basalts: Combined Rb-Sr isotopic and trace element constraints. <i>Earth and Planetary Science Letters</i> , 2013, 373, 150-159.	4.4	11
21	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
22	On water in nominally anhydrous minerals from mantle peridotites and magmatic rocks. <i>Science China Earth Sciences</i> , 2016, 59, 1157-1172.	5.2	9
23	Accretion regions of meteorite parent bodies inferred from a two-endmember isotopic mixing model. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 363-373.	4.4	6
24	Isobaric Spike Method for Absolute Isotopic Ratio Determination by MC-ICP-MS. <i>Analytical Chemistry</i> , 2020, 92, 4820-4828.	6.5	5
25	GAUSS - genesis of asteroids and evolution of the solar system. <i>Experimental Astronomy</i> , 0, , 1.	3.7	5
26	Decoupled water and iron enrichments in the cratonic mantle: A study on peridotite xenoliths from Tok, SE Siberian Craton. <i>American Mineralogist</i> , 2020, 105, 803-819.	1.9	4
27	Settling of Immiscible Droplets: A Theoretical Model for the Missing Link Between Microscopic and Outcrop Observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018829.	3.4	4
28	Undetection of Australasian microtektites in the Chinese Loess Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2022, 585, 110721.	2.3	4
29	Metasomatism-controlled hydrogen distribution in the Spitsbergen upper mantle. <i>American Mineralogist</i> , 2020, 105, 1326-1341.	1.9	3
30	Variable extent of dehydration of clinopyroxene megacrysts from Gezi volcano of Inner Mongolia. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106934.	2.1	2
31	Water in lunar anorthosites and evidence for a wet early Moon. , 0, .		1
32	Martian hydrothermal fluids recorded in the Sm-Nd isotopic systematics of apatite in regolith breccia meteorites. <i>Earth and Planetary Science Letters</i> , 2022, 581, 117413.	4.4	0
33	Geological processes and products recorded in lunar soils: A review. <i>Chinese Science Bulletin</i> , 2022, 67, 1579-1596.	0.7	0