

# Jia-Long Hao

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9526061/publications.pdf>

Version: 2024-02-01

48  
papers

1,121  
citations

394421

19  
h-index

414414

32  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1180  
citing authors

#	ARTICLE	IF	CITATIONS
1	K <sup>+</sup> accumulation in the cytoplasm and nucleus of the salt gland cells of <i>Limonium bicolor</i> accompanies increased rates of salt secretion under NaCl treatment using NanoSIMS. <i>Plant Science</i> , 2015, 238, 286-296.	3.6	104
2	A dry lunar mantle reservoir for young mare basalts of Changâ€™e-5. <i>Nature</i> , 2021, 600, 49-53.	27.8	91
3	Improved precision and spatial resolution of sulfur isotope analysis using NanoSIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2014, 29, 1934-1943.	3.0	64
4	Enrichment of Lignin-Derived Carbon in Mineral-Associated Soil Organic Matter. <i>Environmental Science &amp; Technology</i> , 2019, 53, 7522-7531.	10.0	63
5	NanoSIMS analyses of apatite and melt inclusions in the GRV 020090 Martian meteorite: Hydrogen isotope evidence for recent past underground hydrothermal activity on Mars. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 140, 321-333.	3.9	62
6	NanoSIMS analysis of organic carbon from the Tissint Martian meteorite: Evidence for the past existence of subsurface organicâ€bearing fluids on Mars. <i>Meteoritics and Planetary Science</i> , 2014, 49, 2201-2218.	1.6	46
7	In situ visualisation and characterisation of the capacity of highly reactive minerals to preserve soil organic matter (SOM) in colloids at submicron scale. <i>Chemosphere</i> , 2015, 138, 225-232.	8.2	45
8	The effect of fluid-aided modification on the Sm-Nd and Th-Pb geochronology of monazite and bastnÃsite: Implication for resolving complex isotopic age data in REE ore systems. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 300, 1-24.	3.9	42
9	Precise micrometre-sized Pb-Pb and U-Pb dating with NanoSIMS. <i>Journal of Analytical Atomic Spectrometry</i> , 2012, 27, 479.	3.0	41
10	Extreme weather events recorded by daily to hourly resolution biogeochemical proxies of marine giant clam shells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 7038-7043.	7.1	40
11	New strategies for submicron characterization the carbon binding of reactive minerals in long-term contrasting fertilized soils: implications for soil carbon storage. <i>Biogeosciences</i> , 2016, 13, 3607-3618.	3.3	38
12	Aging shapes the distribution of copper in soil aggregate size fractions. <i>Environmental Pollution</i> , 2018, 233, 569-576.	7.5	38
13	Genesis and evolution of framboidal pyrite and its implications for the ore-forming process of Carlin-style gold deposits, southwestern China. <i>Ore Geology Reviews</i> , 2018, 102, 426-436.	2.7	31
14	Revisiting Ediacaran sulfur isotope chemostratigraphy with <i>in situ</i> nanoSIMS analysis of sedimentary pyrite. <i>Geology</i> , 2021, 49, 611-616.	4.4	29
15	Source of ore-forming fluids of the Yangshan gold field, western Qinling orogen, China: Evidence from microthermometry, noble gas isotopes and in situ sulfur isotopes of Au-carrying pyrite. <i>Ore Geology Reviews</i> , 2019, 105, 404-422.	2.7	28
16	Measurements of water content and D/H ratio in apatite and silicate glasses using a NanoSIMS 50L. <i>Journal of Analytical Atomic Spectrometry</i> , 2015, 30, 967-978.	3.0	25
17	Ancient geologic events on Mars revealed by zircons and apatites from the Martian regolith breccia <sc>NWA</sc> 7034. <i>Meteoritics and Planetary Science</i> , 2019, 54, 850-879.	1.6	24
18	Influencing mechanisms of hematite on benzo(a)pyrene degradation by the PAH-degrading bacterium <i>Paracoccus</i> sp. Strain HPD-2: insight from benzo(a)pyrene bioaccessibility and bacteria activity. <i>Journal of Hazardous Materials</i> , 2018, 359, 348-355.	12.4	22

#	ARTICLE	IF	CITATIONS
19	Phosphorus-controlled trace element distribution in zircon revealed by NanoSIMS. Contributions To Mineralogy and Petrology, 2016, 171, 1.	3.1	20
20	Intrinsic enzyme-like activity of magnetite particles is enhanced by cultivation with <i>Trichoderma guizhouense</i> . Environmental Microbiology, 2021, 23, 893-907.	3.8	20
21	NanoSIMS analytical technique and its applications in earth sciences. Science China Earth Sciences, 2015, 58, 1758-1767.	5.2	19
22	Characterization of Cu distribution in clay-sized soil aggregates by NanoSIMS and micro-XRF. Chemosphere, 2020, 249, 126143.	8.2	18
23	Unveiling of active diazotrophs in a flooded rice soil by combination of NanoSIMS and <sup>15</sup> N <sub>2</sub> -DNA-stable isotope probing. Biology and Fertility of Soils, 2020, 56, 1189-1199.	4.3	17
24	Gold and sulfur sources of the Taipingdong Carlin-type gold deposit: Constraints from simultaneous determination of sulfur isotopes and trace elements in pyrite using nanoscale secondary ion mass spectroscopy. Ore Geology Reviews, 2020, 117, 103299.	2.7	16
25	Hydrothermal nontronite formation associated with microbes from low-temperature diffuse hydrothermal vents at the South Mid-Atlantic Ridge. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 2375-2392.	3.0	14
26	Magmatic chlorine isotope fractionation recorded in apatite from Chang'e-5 basalts. Earth and Planetary Science Letters, 2022, 591, 117636.	4.4	14
27	Imbrium Age for Zircons in Apollo 17 South Massif Impact Melt Breccia 73155. Journal of Geophysical Research E: Planets, 2019, 124, 3205-3218.	3.6	11
28	Sub-micron trace elemental distributions and U-Pb dating of zircon from the oldest rock in the Anshan area, North China Craton. Precambrian Research, 2019, 322, 1-17.	2.7	11
29	Intracellular silicification by early-branching magnetotactic bacteria. Science Advances, 2022, 8, eabn6045.	10.3	11
30	Sintering nano-crystalline calcite: a new method of synthesizing homogeneous reference materials for SIMS analysis. Journal of Analytical Atomic Spectrometry, 2014, 29, 1686.	3.0	10
31	NanoSIMS imaging method of zircon U-Pb dating. Science China Earth Sciences, 2016, 59, 2155-2164.	5.2	10
32	Oldest Immiscible Silica-rich Melt on the Moon Recorded in a ~4.38 Ga Zircon. Geophysical Research Letters, 2020, 47, e2019GL085997.	4.0	10
33	Presolar grains in the <sup>2</sup> CM chondrite Sutter's Mill. Meteoritics and Planetary Science, 2014, 49, 2038-2046.	1.6	9
34	NanoSIMS measurements of trace elements at the micron scale interface between zircon and silicate glass. Journal of Analytical Atomic Spectrometry, 2016, 31, 2399-2409.	3.0	9
35	Submicron spatial resolution Pb-Pb and U-Pb dating by using a NanoSIMS equipped with the new radio-frequency ion source. Journal of Analytical Atomic Spectrometry, 2021, 36, 1625-1633.	3.0	9
36	Micro-scale (~10 <sup>1/4</sup> m) analyses of rare earth elements in silicate glass, zircon and apatite with NanoSIMS. International Journal of Mass Spectrometry, 2016, 406, 48-54.	1.5	7

#	ARTICLE	IF	CITATIONS
37	Volatiles in the martian crust and mantle: Clues from the NWA 6162 shergottite. <i>Earth and Planetary Science Letters</i> , 2020, 530, 115902.	4.4	7
38	Intracrystalline migration of polymetallic Au-rich melts in multistage hydrothermal systems: example from the Xiaoqinling lode gold district, central China. <i>Mineralium Deposita</i> , 2022, 57, 147-154.	4.1	7
39	THE FIRST DISCOVERY OF PRESOLAR GRAPHITE GRAINS FROM THE HIGHLY REDUCING QINGZHEN (EH3) METEORITE. <i>Astrophysical Journal</i> , 2016, 825, 111.	4.5	6
40	Timing of lunar Mg-suite magmatism constrained by SIMS U-Pb dating of Apollo norite 78238. <i>Earth and Planetary Science Letters</i> , 2021, 569, 117046.	4.4	6
41	Investigation of oxygen diffusion behavior in terbium using $^{18}\text{O}$ isotopic tracking by high resolution SIMS. <i>Materials Letters</i> , 2016, 176, 253-256.	2.6	5
42	NanoSIMS measurements of sub- $\mu\text{m}$ particles using the local thresholding technique. <i>Surface and Interface Analysis</i> , 2020, 52, 234-239.	1.8	5
43	NanoSIMS and EPMA dating of lunar zirconolite. <i>Progress in Earth and Planetary Science</i> , 2021, 8, .	3.0	5
44	Radiogenic Pb mobilization induced by shock metamorphism of zircons in the Apollo 72255 Civet Cat norite clast. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 302, 175-192.	3.9	4
45	NanoSIMS image enhancement by reducing random noise using low-rank method. <i>Surface and Interface Analysis</i> , 2020, 52, 240-248.	1.8	3
46	Novel methods of resolving daily growth patterns in giant clam ( <i>Tridacna</i> spp.) shells. <i>Ecological Indicators</i> , 2022, 134, 108480.	6.3	3
47	Abundant presolar silicates of the CM chondrite Asuka 12169: Implications for the thermal and aqueous alteration of the CM parent body. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 334, 45-64.	3.9	1
48	Water Enhancement of Si Self-Diffusion in Wadsleyite. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	0