

Nan Liu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4529147/publications.pdf>

Version: 2024-02-01

24
papers

644
citations

567281

15
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

512
citing authors

#	ARTICLE	IF	CITATIONS
1	CHILI – the Chicago Instrument for Laser Ionization – a new tool for isotope measurements in cosmochemistry. <i>International Journal of Mass Spectrometry</i> , 2016, 407, 1-15.	1.5	68
2	BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FOR ^{13}C -PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. <i>Astrophysical Journal</i> , 2014, 786, 66.	4.5	67
3	CORRELATED STRONTIUM AND BARIUM ISOTOPIC COMPOSITIONS OF ACID-CLEANED SINGLE MAINSTREAM SILICON CARBIDES FROM MURCHISON. <i>Astrophysical Journal</i> , 2015, 803, 12.	4.5	65
4	Stellar Origin of ^{15}N -rich Presolar SiC Grains of Type AB: Supernovae with Explosive Hydrogen Burning. <i>Astrophysical Journal Letters</i> , 2017, 842, L1.	8.3	55
5	STELLAR ORIGINS OF EXTREMELY ^{13}C - AND ^{15}N -ENRICHED PRESOLAR SiC GRAINS: NOVAE OR SUPERNOVAE?. <i>Astrophysical Journal</i> , 2016, 820, 140.	4.5	51
6	Extremely ^{54}Cr - and ^{50}Ti -rich Presolar Oxide Grains in a Primitive Meteorite: Formation in Rare Types of Supernovae and Implications for the Astrophysical Context of Solar System Birth. <i>Astrophysical Journal Letters</i> , 2018, 856, L24.	8.3	48
7	Magnetic-buoyancy-induced Mixing in AGB Stars: Presolar SiC Grains. <i>Astrophysical Journal Letters</i> , 2020, 897, L25.	8.3	45
8	THE ^{13}C -POCKET STRUCTURE IN AGB MODELS: CONSTRAINTS FROM ZIRCONIUM ISOTOPE ABUNDANCES IN SINGLE MAINSTREAM SiC GRAINS. <i>Astrophysical Journal</i> , 2014, 788, 163.	4.5	40
9	Late formation of silicon carbide in type II supernovae. <i>Science Advances</i> , 2018, 4, eaao1054.	10.3	29
10	New Constraints on the Major Neutron Source in Low-mass AGB Stars. <i>Astrophysical Journal</i> , 2018, 865, 112.	4.5	29
11	J-type Carbon Stars: A Dominant Source of ^{14}N -rich Presolar SiC Grains of Type AB. <i>Astrophysical Journal Letters</i> , 2017, 844, L12.	8.3	25
12	Presolar Silicon Carbide Grains of Types Y and Z: Their Molybdenum Isotopic Compositions and Stellar Origins. <i>Astrophysical Journal</i> , 2019, 881, 28.	4.5	23
13	Cluster Analysis of Presolar Silicon Carbide Grains: Evaluation of Their Classification and Astrophysical Implications. <i>Astrophysical Journal Letters</i> , 2021, 907, L39.	8.3	18
14	Coordinated EDX and micro-Raman analysis of presolar silicon carbide: A novel, nondestructive method to identify rare subgroup SiC. <i>Meteoritics and Planetary Science</i> , 2017, 52, 2550-2569.	1.6	16
15	Common Occurrence of Explosive Hydrogen Burning in Type II Supernovae. <i>Astrophysical Journal</i> , 2018, 855, 144.	4.5	15
16	New Multielement Isotopic Compositions of Presolar SiC Grains: Implications for Their Stellar Origins. <i>Astrophysical Journal Letters</i> , 2021, 920, L26.	8.3	10
17	Evaluation of the classification of pre-solar silicon carbide grains using consensus clustering with resampling methods: An assessment of the confidence of grain assignments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 334-350.	4.4	10
18	Iron isotopic and chemical tracing of basalt alteration and hematite spherule formation in Hawaii: A prospective study for Mars. <i>Earth and Planetary Science Letters</i> , 2020, 544, 116385.	4.4	8

#	ARTICLE	IF	CITATIONS
19	TEM Analyses of Unusual Presolar Silicon Carbide: Insights into the Range of Circumstellar Dust Condensation Conditions. <i>Astrophysical Journal</i> , 2021, 913, 90.	4.5	7
20	NanoSIMS isotopic investigation of xenolithic carbonaceous clasts from the kapoeta howardite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 283, 243-264.	3.9	6
21	Oxygen and aluminum-magnesium isotopic systematics of presolar nanospinel grains from CI chondrite Orgueil. <i>Geochimica Et Cosmochimica Acta</i> , 2022, 319, 296-317.	3.9	5
22	Slow Neutron-Capture Process: Low-Mass Asymptotic Giant Branch Stars and Presolar Silicon Carbide Grains. <i>Universe</i> , 2022, 8, 362.	2.5	4
23	Coordinated EDX and micro-Raman analysis of presolar silicon carbide: A novel, nondestructive method to identify rare subgroup SiC. <i>Meteoritics and Planetary Science</i> , 2020, 55, .	1.6	0
24	TEM Structural and Compositional Studies of Presolar SiC Grains and Their Relation to Raman Spectra. <i>Microscopy and Microanalysis</i> , 2020, 26, 2052-2055.	0.4	0