Naoya Imae

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1514228/publications.pdf

Version: 2024-02-01

35 papers	613 citations	687363 13 h-index	610901 24 g-index
35 all docs	35 docs citations	35 times ranked	832 citing authors

#	Article	IF	Citations
1	Petrology and classification of Aâ€9003, A 09535, and Yâ€82094: A new type of carbonaceous chondrite. Meteoritics and Planetary Science, 2022, 57, 302-316.	1.6	3
2	Pebbles and sand on asteroid (162173) Ryugu: In situ observation and particles returned to Earth. Science, 2022, 375, 1011-1016.	12.6	78
3	New measurement technique for characterizing small extraterrestrial materials by Xâ€ray diffraction using the Gandolfi attachment. Meteoritics and Planetary Science, 2021, 56, 174-191.	1.6	1
4	The nature of the CM parent asteroid regolith based on cosmic ray exposure ages. Meteoritics and Planetary Science, 2021, 56, 49-55.	1.6	5
5	UV-visible-infrared spectral survey of Antarctic carbonaceous chondrite chips. Polar Science, 2021, 29, 100723.	1.2	4
6	Quantitative determination of the shock stage of L6 ordinary chondrites using X-ray diffraction. American Mineralogist, 2021, 106, 1470-1479.	1.9	2
7	An Almahata Sitta EL3 fragment: implications for the complex thermal history of enstatite chondrites. Progress in Earth and Planetary Science, 2021, 8, .	3.0	4
8	The most primitive CM chondrites, Asuka 12085, 12169, and 12236, of subtypes 3.0â€“2.8: Their characteristic features and classification. Polar Science, 2020, 26, 100565.	1.2	33
9	Estimation of shock degrees of eucrites using X-ray diffraction and petrographic methods. Polar Science, 2020, 26, 100605.	1.2	5
10	Development of a sample holder for synchrotron radiation-based computed tomography and diffraction analysis of extraterrestrial materials. Review of Scientific Instruments, 2020, 91, 035107.	1.3	8
11	The effects of possible contamination by sample holders on samples to be returned by Hayabusa2. Meteoritics and Planetary Science, 2020, 55, 1665-1680.	1.6	6
12	The universal sample holders of microanalytical instruments of FIB, TEM, NanoSIMS, and STXM-NEXAFS for the coordinated analysis of extraterrestrial materials. Earth, Planets and Space, 2020, 72, .	2.5	16
13	Developments in microfabrication of mineral samples for simultaneous EBSDâ€“EDS analysis utilizing an FIBâ€“SEM instrument: study on an Sâ€“type cosmic spherule from Antarctica. Journal of Mineralogical and Petrological Sciences, 2020, 115, 407-415.	0.9	5
14	Primordial, thermal, and shock features of ordinary chondrites: Emulating bulk Xâ€ray diffraction using inâ€plane rotation of polished thin sections. Meteoritics and Planetary Science, 2019, 54, 919-937.	1.6	29
15	Bulk chemical compositions of Antarctic meteorites in the NIPR collection. Polar Science, 2018, 15, 24-28.	1.2	6
16	A new mineralogical approach for <scp>CO</scp>3 chondrite characterization by Xâ€ray diffraction: Identification of primordial phases and thermal history. Meteoritics and Planetary Science, 2018, 53, 232-248.	1.6	10
17	NIRS3: The Near Infrared Spectrometer on Hayabusa2. Space Science Reviews, 2017, 208, 317-337.	8.1	60
18	Variation of mineralogy and organic material during the early stages of aqueous activity recorded in Antarctic micrometeorites. Geochimica Et Cosmochimica Acta, 2017, 208, 119-144.	3.9	40

#	Article	IF	Citations
19	An experimental study of chondrule formation from chondritic precursors via evaporation and condensation in Knudsen cell: Shock heating model of dust aggregates. Earth and Planetary Science Letters, 2017, 473, 256-268.	4.4	5
20	35 Seasons of US Antarctic Meteorites: A Pictorial Guide to the CollectionEdited by K. Righter, C.M. Corrigan, T.J. McCoy & R.P. Harvey John Wiley & Sons, Hoboken NJ, 2014. ISBN-13 978-1-11879-832-4, hardcover, 195 pp + 112 unnumbered pp. Â£66.95.. Antarctic Science, 2015, 27, 417-417.	0.9	0
21	Cometary dust in Antarctic ice and snow: Past and present chondritic porous micrometeorites preserved on the Earth's surface. Earth and Planetary Science Letters, 2015, 410, 1-11.	4.4	77
22	Petrology and bulk chemistry of Yamatoâ€82094, a new type of carbonaceous chondrite. Meteoritics and Planetary Science, 2014, 49, 346-357.	1.6	12
23	Micrometeorite precursors: Clues from the mineralogy and petrology of their relict minerals. Geochimica Et Cosmochimica Acta, 2013, 100, 116-157.	3.9	29
24	Cometary dust in Antarctic micrometeorites. Proceedings of the International Astronomical Union, 2012, 8, 123-129.	0.0	2
25	Petrology and mineralogy of the shock-melted H chondrites Yamatoâ€“791088 and LaPaz Ice Field 02240. Polar Science, 2011, 4, 558-573.	1.2	6
26	High-pressure polymorphs of magnesian orthopyroxene from a shock vein in the Yamato-000047 lherzolitic shergottite. Meteoritics and Planetary Science, 2010, 45, 43.	1.6	19
27	Laihunite and jarosite in the Yamato 00 nakhlites: Alteration products on Mars?. Journal of Geophysical Research, 2009, 114, .	3.3	33
28	Estimate of the magnetic field of Mars based on the magnetic characteristics of the Yamato 000593 nakhlite. Meteoritics and Planetary Science, 2009, 44, 1179-1191.	1.6	8
29	Crystallization experiments of intercumulus melts for nakhlites under QFM Â± 2 at 1 bar. Meteoritics and Planetary Science, 2008, 43, 1299-1319.	1.6	6
30	Petrology of the Miller Range 03346 nakhlite in comparison with the Yamatoâ€000593 nakhlite. Meteoritics and Planetary Science, 2007, 42, 171-184.	1.6	45
31	Petrology of the Yamato nakhlites. Meteoritics and Planetary Science, 2005, 40, 1581-1598.	1.6	22
32	Two-stage plume melting: A possible mechanism for the origin of martian magmatism. Earth and Planetary Science Letters, 2005, 235, 469-479.	4.4	7
33	An experimental study of hydrous mineral formation by reaction between forsterite and water vapor. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1999, 75, 229-234.	3.8	0
34	Direct Evidence of Sulfidation of Metallic Grain in Chondrites.. Proceedings of the Japan Academy Series B: Physical and Biological Sciences, 1994, 70, 133-137.	3.8	4
35	An experimental study of enstatite formation reaction between forsterite and Si-rich gas. Earth and Planetary Science Letters, 1993, 118, 21-30.	4.4	23