

Hyun Na Kim

List of Publications by Year in descending order

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16
papers

321
citations

1163117

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1058476

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18
all docs

18
docs citations

18
times ranked

490
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray Raman scattering study of MgSiO ₃ glass at high pressure: Implication for triclustered MgSiO ₃ melt in Earth's mantle. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 7925-7929.	7.1	123
2	Atomic structure and dehydration mechanism of amorphous silica: Insights from ²⁹ Si and ¹ H solid-state MAS NMR study of SiO ₂ nanoparticles. Geochimica Et Cosmochimica Acta, 2013, 120, 39-64.	3.9	62
3	Nature of Chemical and Topological Disorder in Borogermanate Glasses: Insights from B-11 and O-17 Solid-State NMR and Quantum Chemical Calculations. Journal of Physical Chemistry B, 2010, 114, 412-420.	2.6	26
4	Effect of particle size on phase transitions in metastable alumina nanoparticles: A view from high-resolution solid-state ²⁷ Al NMR study. American Mineralogist, 2013, 98, 1198-1210.	1.9	25
5	Variations in initial ²⁶ Al/ ²⁷ Al ratios among fluffy Type A Ca-Al-rich inclusions from reduced CV chondrites. Earth and Planetary Science Letters, 2019, 511, 25-35.	4.4	25
6	Effects of Ball Size on the Grinding Behavior of Talc Using a High-Energy Ball Mill. Minerals (Basel), 2020, 10, 22.	2.0	22
7	Behavior of Channel Water and CF ₂ H Side-Chain Terminal Groups in Swollen Nafion Polymer Electrolyte Membranes after Thermal Treatment. ACS Macro Letters, 2016, 5, 801-804.	4.8	11
8	Temperature-induced amorphization of Na-zeolite A: A view from multi-nuclear high-resolution solid-state NMR. American Mineralogist, 2014, 99, 1996-2007.	1.9	10
9	Seismic fault weakening via CO ₂ pressurization enhanced by mechanical deformation of dolomite fault gouges. Geology, 2021, 49, 1245-1249.	4.4	7
10	Particle Size Analysis of Nano-sized Talc Prepared by Mechanical Milling Using High-energy Ball Mill. Journal of the Mineralogical Society of Korea, 2018, 31, 47-55.	0.2	3
11	Partial Melting-Induced Chemical Evolution in Shocked Crystalline and Amorphous Plagioclase From the Lunar Meteorite Mount DeWitt 12007. Journal of Geophysical Research E: Planets, 2019, 124, 1852-1863.	3.6	2
12	Structure of type A CAI-like melts: A view from multi-nuclear NMR study of melilite (Ca ₂ Al ₂ SiO ₇ -Ca ₂ MgSi ₂ O ₇) glasses. Chemical Geology, 2020, 558, 119894.	3.3	2
13	Shock Metamorphism of Plagioclase-maskelynite in the Lunar Meteorite Mount DeWitt 12007. Journal of the Mineralogical Society of Korea, 2016, 29, 131-139.	0.2	1
14	Variation of Water Content and Thermal Behavior of Talc Upon Grinding: Effect of Repeated Slip on Fault Weakening. Journal of the Mineralogical Society of Korea, 2019, 32, 201-211.	0.2	1
15	An effect of variations in relative sensitivity factors on Al-Mg systematics of Ca-Al-rich inclusions in meteorites with secondary ion mass spectrometry. Geochemical Journal, 2021, 55, 283-287.	1.0	1
16	¹⁷ O Solid-State NMR Study of the Effect of Organic Ligands on Atomic Structure of Amorphous Silica Gel: Implications for Surface Structure of Silica and Its Dehydration Processes in Earth's Crust. Journal of the Mineralogical Society of Korea, 2012, 25, 271-282.	0.2	0