

Sanae Koizumi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

192
citations

1307366

7
h-index

1199470

12
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12
all docs

12
docs citations

12
times ranked

180
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of highly dense and fine-grained aggregates of mantle composites by vacuum sintering of nano-sized mineral powders. <i>Physics and Chemistry of Minerals</i> , 2010, 37, 505-518.	0.3	51
2	New constraints on upper mantle creep mechanism inferred from silicon grain-boundary diffusion rates. <i>Earth and Planetary Science Letters</i> , 2016, 433, 350-359.	1.8	41
3	Stress-induced amorphization triggers deformation in the lithospheric mantle. <i>Nature</i> , 2021, 591, 82-86.	13.7	32
4	Mg lattice diffusion in iron-free olivine and implications to conductivity anomaly in the oceanic asthenosphere. <i>Earth and Planetary Science Letters</i> , 2018, 484, 204-212.	1.8	24
5	Creep mechanisms in the lithospheric mantle inferred from deformation of iron-free forsterite aggregates at 900–1200 °C. <i>Tectonophysics</i> , 2019, 761, 16-30.	0.9	14
6	Pressure, temperature, water content, and oxygen fugacity dependence of the Mg grain-boundary diffusion coefficient in forsterite. <i>American Mineralogist</i> , 2018, 103, 1354-1361.	0.9	7
7	Vickers indentation tests on olivine: size effects. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1.	0.3	7
8	Diffusion Creep of Diopside. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	1.4	5
9	Enhancement of ductile deformation in polycrystalline anorthite due to the addition of water. <i>Journal of Structural Geology</i> , 2022, 156, 104547.	1.0	4
10	Shear deformation of nano- and micro-crystalline olivine at seismic slip rates. <i>Tectonophysics</i> , 2021, 802, 228736.	0.9	3
11	Synthesis of crystallographically oriented olivine aggregates using colloidal processing in a strong magnetic field. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 689-706.	0.3	2
12	Effect of deformation on helium storage and diffusion in polycrystalline forsterite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 226-243.	1.6	2