

Sanae Koizumi

List of Publications by Year in descending order

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Version: 2024-02-01

12
papers

192
citations

1307366

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1199470

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docs citations

12
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180
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1 | 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 |
| 2 | Diffusion Creep of Diopside. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, . | 1.4 | 5 |
| 3 | Shear deformation of nano- and micro-crystalline olivine at seismic slip rates. <i>Tectonophysics</i> , 2021, 802, 228736. | 0.9 | 3 |
| 4 | Stress-induced amorphization triggers deformation in the lithospheric mantle. <i>Nature</i> , 2021, 591, 82-86. | 13.7 | 32 |
| 5 | Effect of deformation on helium storage and diffusion in polycrystalline forsterite. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 273, 226-243. | 1.6 | 2 |
| 6 | Vickers indentation tests on olivine: size effects. <i>Physics and Chemistry of Minerals</i> , 2020, 47, 1. | 0.3 | 7 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | 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 |
| 12 | 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 |