

Noriyoshi Tsujino

List of Publications by Year in descending order

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papers

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34
docs citations

34
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	Deformation of Post-spinel Under the Lower Mantle Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	2
2	Viscosity of bridgmanite determined by in situ stress and strain measurements in uniaxial deformation experiments. <i>Science Advances</i> , 2022, 8, eabm1821.	10.3	11
3	Seismic Anisotropy in the Lower Mantle Transition Zone Induced by Lattice Preferred Orientation of Akimotoite. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	1
4	Lattice preferred orientation of stishovite deformed at high pressure and high temperature. <i>Physics of the Earth and Planetary Interiors</i> , 2020, 306, 106546.	1.9	4
5	Pressure dependence of Si diffusion in $\hat{\Gamma}^3$ -Fe. <i>American Mineralogist</i> , 2020, 105, 319-324.	1.9	2
6	Studies of Deep Earth Rheology Based on High-Pressure Deformation Experiments Using D111-Type Apparatus. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2020, 30, 78-84.	0.0	4
7	High-pressure generation in the Kawai-type multianvil apparatus equipped with tungsten-carbide anvils and sintered-diamond anvils, and X-ray observation on CaSnO_3 and $(\text{Mg,Fe})\text{SiO}_3$. <i>Comptes Rendus - Geoscience</i> , 2019, 351, 253-259.	1.2	23
8	Phase transition of wadsleyite-ringwoodite in the Mg_2SiO_4 - Fe_2SiO_4 system. <i>American Mineralogist</i> , 2019, 104, 588-594.	1.9	10
9	Sharp 660-km discontinuity controlled by extremely narrow binary post-spinel transition. <i>Nature Geoscience</i> , 2019, 12, 869-872.	12.9	31
10	Single-crystal elasticity of (Al,Fe)-bearing bridgmanite and seismic shear wave radial anisotropy at the topmost lower mantle. <i>Earth and Planetary Science Letters</i> , 2019, 518, 116-126.	4.4	14
11	Complete agreement of the post-spinel transition with the 660-km seismic discontinuity. <i>Scientific Reports</i> , 2018, 8, 6358.	3.3	27
12	Rheological Study of Bridgmanite at the Lower Mantle. <i>Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu</i> , 2018, 28, 139-148.	0.0	1
13	Grain growth of $\hat{\mu}$ -iron: Implications to grain size and its evolution in the Earth's inner core. <i>Earth and Planetary Science Letters</i> , 2017, 459, 238-243.	4.4	11
14	Synthesis of boron-doped diamond and its application as a heating material in a multi-anvil high-pressure apparatus. <i>Review of Scientific Instruments</i> , 2017, 88, 093904.	1.3	23
15	Pressure generation to 65 GPa in a Kawai-type multi-anvil apparatus with tungsten carbide anvils. <i>High Pressure Research</i> , 2017, 37, 507-515.	1.2	25
16	A shallow origin of so-called ultrahigh-pressure chromitites, based on single-crystal X-ray structure analysis of the high-pressure $\text{Mg}_2\text{Cr}_2\text{O}_5$ phase, with modified ludwigite-type structure. <i>American Mineralogist</i> , 2017, 102, 2113-2118.	1.9	9
17	Effect of cation substitution on bridgmanite elasticity: A key to interpret seismic anomalies in the lower mantle. <i>Scientific Reports</i> , 2016, 6, 33337.	3.3	15
18	Generation of pressures over 40 GPa using Kawai-type multi-anvil press with tungsten carbide anvils. <i>Review of Scientific Instruments</i> , 2016, 87, 024501.	1.3	64

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19	Mantle dynamics inferred from the crystallographic preferred orientation of bridgmanite. <i>Nature</i> , 2016, 539, 81-84.	27.8	55
20	Elastic wave velocity anomalies of anorthite in a subducting plate: In situ experiments. <i>American Mineralogist</i> , 2015, 100, 1856-1865.	1.9	4
21	Semiconductor diamond heater in the Kawai multianvil apparatus: an innovation to generate the lower mantle geotherm. <i>High Pressure Research</i> , 2014, 34, 392-403.	1.2	9
22	Effects of Al content on water partitioning between orthopyroxene and olivine: Implications for lithosphere-asthenosphere boundary. <i>Earth and Planetary Science Letters</i> , 2014, 400, 284-291.	4.4	24
23	High-pressure phase transitions in FeCr ₂ O ₄ and structure analysis of new post-spinel FeCr ₂ O ₄ and Fe ₂ Cr ₂ O ₅ phases with meteoritical and petrological implications. <i>American Mineralogist</i> , 2014, 99, 1788-1797.	1.9	54
24	Over 1 Mbar generation in the Kawai-type multianvil apparatus and its application to compression of (Mg _{0.92} Fe _{0.08})SiO ₃ perovskite and stishovite. <i>Physics of the Earth and Planetary Interiors</i> , 2014, 228, 262-267.	1.9	55
25	Determination of Hydrogen Atoms Position in Enstatite by IR Spectra. <i>Journal of Computer Chemistry Japan</i> , 2014, 13, 169-170.	0.1	1
26	Equation of state of $\hat{\mu}$ -Fe: Reference density for planetary cores. <i>Earth and Planetary Science Letters</i> , 2013, 375, 244-253.	4.4	60
27	P-V-T relations of $\hat{\mu}$ -Ca ₃ (PO ₄) ₂ tuite determined by in situ X-ray diffraction in a large-volume high-pressure apparatus. <i>American Mineralogist</i> , 2013, 98, 1811-1816.	1.9	12
28	$\hat{\mu}$ -Fe equation of state for $\hat{\mu}$ -iron up to 80 GPa and 1900 K using the Kawai-type high pressure apparatus equipped with sintered diamond anvils. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	35
29	Isothermal compression of face-centered cubic iron. <i>American Mineralogist</i> , 2012, 97, 1417-1420.	1.9	25
30	Effect of pressure on grain-growth kinetics of ferropicicase to lower mantle conditions. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	4
31	Stress relaxation experiments of olivine under conditions of subducted slab in Earth's deep upper mantle. <i>Physics of the Earth and Planetary Interiors</i> , 2010, 183, 164-174.	1.9	8
32	Stress measurement under high pressure using Kawai-type multi-anvil apparatus combined with synchrotron radiation. <i>Journal of Synchrotron Radiation</i> , 2009, 16, 757-761.	2.4	7
33	Grain-growth kinetics of ferropicicase at high-pressure. <i>Physics of the Earth and Planetary Interiors</i> , 2009, 174, 145-152.	1.9	7