Nobuyoshi Miyajima

List of Publications by Year
in descending order

13	269	1307594 7	1199594 12
papers	citations	h-index	g-index

13	13	13	363
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Radiative thermal conductivity of single-crystal bridgmanite at the core-mantle boundary with implications for thermal evolution of the Earth. Earth and Planetary Science Letters, 2022, 578, 117329.	4.4	14
2	Small effect of water incorporation on dislocation mobility in olivine: Negligible creep enhancement and water-induced fabric transition in the asthenosphere. Earth and Planetary Science Letters, 2022, 579, 117360.	4.4	0
3	High pressure-temperature phase relations of basaltic crust up to mid-mantle conditions. Earth and Planetary Science Letters, 2022, 584, 117472.	4.4	18
4	The Effect of Feâ€Al Substitution on the Crystal Structure of MgSiO₃ Bridgmanite. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021936.	3.4	6
5	Experimental evidence for silica-enriched Earthâ€™s lower mantle with ferrous iron dominant bridgmanite. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 27899-27905.	7.1	17
6	In situ observation of nanolite growth in volcanic melt: A driving force for explosive eruptions. Science Advances, 2020, 6, .	10.3	67
7	Discovery of Newâ€Structured Postâ€Spinel MgFe 2 O 4 : Crystal Structure and Highâ€Pressure Phase Relations. Geophysical Research Letters, 2020, 47, e2020GL087490.	4.0	6
8	Effect of Fe 3+ on Phase Relations in the Lower Mantle: Implications for Redox Melting in Stagnant Slabs. Journal of Geophysical Research: Solid Earth, 2019, 124, 12484-12497.	3.4	8
9	Combining ECCI and FIB milling techniques to prepare site-specific TEM samples for crystal defect analysis of deformed minerals at high pressure. Comptes Rendus - Geoscience, 2019, 351, 295-301.	1.2	4
10	Application of Scanning Precession Electron Diffraction in the Transmission Electron Microscope to the Characterization of Deformation in Wadsleyite and Ringwoodite. Minerals (Basel, Switzerland), 2018, 8, 153.	2.0	5
11	Identical activation volumes of dislocation mobility in the [100](010) and [001](010) slip systems in natural olivine. Geophysical Research Letters, 2017, 44, 2687-2692.	4.0	5
12	A nearly water-saturated mantle transition zone inferred from mineral viscosity. Science Advances, 2017, 3, e1603024.	10.3	79
13	Phase Relations in the System MgSiO₃â€Al₂O₃ up to 2300ÂK at Lower Mantle Pressures. Journal of Geophysical Research: Solid Earth, 2017, 122, 7775-7788.	3.4	40