Masayuki Nishi

List of Publications by Year
in descending order

21	675	759233 12	752698 20
papers	citations	h-index	g-index

21	21	21	543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New aluminium hydroxide at multimegabar pressures: Implications for water reservoirs in deep planetary interiors. Icarus, 2020, 338, 113539.	2.5	5
2	Chemical Reaction Between Metallic Iron and a Limited Water Supply Under Pressure: Implications for Water Behavior at the Coreâ€Mantle Boundary. Geophysical Research Letters, 2020, 47, e2020GL089616.	4.0	3
3	Solid Solution and Compression Behavior of Hydroxides in the Lower Mantle. Journal of Geophysical Research: Solid Earth, 2019, 124, 10231-10239.	3.4	16
4	High-pressure phase relation of KREEP basalts: A clue for finding the lost Hadean crust?. Physics of the Earth and Planetary Interiors, 2018, 274, 184-194.	1.9	6
5	High-pressure phase transitions of anorthosite crust in the Earth's deep mantle. Geoscience Frontiers, 2018, 9, 1859-1870.	8.4	10
6	Thermal equation of state of MgSiO4H2 phase H determined by in situ X-ray diffraction and a multianvil apparatus. Physics and Chemistry of Minerals, 2018, 45, 995-1001.	0.8	12
7	The pyrite-type high-pressure form of FeOOH. Nature, 2017, 547, 205-208.	27.8	123
8	Growth kinetics of forsterite reaction rims at high-pressure. Physics of the Earth and Planetary Interiors, 2016, 257, 220-229.	1.9	6
9	Phase relations in the system MgSiO 3 â€“Al 2 O 3 up to 52 GPa and 2000 K. Physics of the Earth and Planetary Interiors, 2016, 257, 18-27.	1.9	31
10	Phase transitions of serpentine in the lower mantle. Physics of the Earth and Planetary Interiors, 2015, 245, 52-58.	1.9	14
11	Mantle hydration. Nature Geoscience, 2015, 8, 9-10.	12.9	10
12	Crystal chemistry of dense hydrous magnesium silicates: The structure of phase H, MgSiH2O4, synthesized at 45 GPa and 1000 ÂC. American Mineralogist, 2014, 99, 1802-1805.	1.9	36
13	Effects of pressure and temperature on the silicon diffusivity of pyrope-rich garnet. Physics of the Earth and Planetary Interiors, 2014, 226, 28-38.	1.9	6
14	Stability of hydrous silicate at high pressures and water transport to the deep lower mantle. Nature Geoscience, 2014, 7, 224-227.	12.9	259
15	Growth kinetics of MgSiO3 perovskite reaction rim between stishovite and periclase up to 50 GPa and its implication for grain boundary diffusivity in the lower mantle. Earth and Planetary Science Letters, 2013, 377-378, 191-198.	4.4	11
16	Slow Siâ€“Al interdiffusion in garnet and stagnation of subducting slabs. Earth and Planetary Science Letters, 2013, 361, 44-49.	4.4	50
17	Exsolution kinetics of majoritic garnet from clinopyroxene in subducting oceanic crust. Physics of the Earth and Planetary Interiors, 2011, 189, 47-55.	1.9	13
18	Survival of majoritic garnet in diamond by direct kimberlite ascent from deep mantle. Geophysical Research Letters, 2010, 37, .	4.0	18

#	Article	IF	Citations
19	Metastable transformations of eclogite to garnetite in subducting oceanic crust. Journal of Mineralogical and Petrological Sciences, 2009, 104, 192-198.	0.9	13
20	Survival of pyropic garnet in subducting plates. Physics of the Earth and Planetary Interiors, 2008, 170, 274-280.	1.9	30
21	Bridgmanite freezing in shocked meteorites due to amorphizationâ€induced stress. Geophysical Research Letters, 0, , .	4.0	3