

Takamitsu Yamanaka

List of Publications by Year in descending order

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21
papers

564
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840776

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21
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Structure change of $\text{Ca}_{1-x}\text{Sr}_x\text{TiO}_3$ perovskite with composition and pressure. <i>American Mineralogist</i> , 2002, 87, 1183-1189.	1.9	112
2	First principles calculation of a high-pressure hydrous phase, H_2O . <i>Geophysical Research Letters</i> , 2002, 29, 15-1-15-4.	4.0	93
3	Structural Analysis of Orthorhombic Hafnia by Neutron Powder Diffraction. <i>Journal of the American Ceramic Society</i> , 1995, 78, 233-237.	3.8	52
4	Comparative Raman spectroscopic study on ilmenite-type MgSiO_3 (akimotoite), MgGeO_3 , and MgTiO_3 (geikielite) at high temperatures and high pressures. <i>American Mineralogist</i> , 2008, 93, 39-47.	1.9	47
5	Symmetry change of majorite solid solution in the system $\text{Mg}_3\text{Al}_2\text{Si}_3\text{O}_{12}$ - MgSiO_3 . <i>American Mineralogist</i> , 1999, 84, 1135-1143.	1.9	45
6	Electron density distribution of FeTiO_3 ilmenite under high pressure analyzed by MEM using single crystal diffraction intensities. <i>Physics and Chemistry of Minerals</i> , 2007, 34, 307-318.	0.8	42
7	Variation of hydrogen bonded O-H distances in goethite at high pressure. <i>American Mineralogist</i> , 2003, 88, 1423-1427.	1.9	41
8	Site Preference of Cations and Structural Variation in $\text{Mg}_{1-x}\text{Ga}_x\text{O}_4$ (Spinel Solid Solution). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2000, 626, 42-49.	1.2	28
9	High-pressure phase transitions of $\text{Fe}_3\text{-xTi}_x\text{O}_4$ solid solution up to 60 GPa correlated with electronic spin transition. <i>American Mineralogist</i> , 2013, 98, 736-744.	1.9	25
10	Structural changes induced by lattice electron interactions: SiO_2 stishovite and FeTiO_3 ilmenite. <i>Journal of Synchrotron Radiation</i> , 2005, 12, 566-576.	2.4	18
11	Structure refinement of a birefringent Cr-bearing majorite $\text{Mg}_3(\text{Mg}_{0.34}\text{Si}_{0.34}\text{Al}_{0.18})\text{O}_{12}$. <i>Journal of Solid State Chemistry</i> , 2019, 18, 107843.	1.9	18
12	Structural modifications of CaGeO_3 -wollastonite under room temperature pressurization. <i>Physics and Chemistry of Minerals</i> , 1997, 25, 1-7.	0.8	9
13	High-pressure and high-temperature generation using diamond/sic composite anvils prepared with hot isostatic pressing. <i>High Pressure Research</i> , 2005, 25, 11-15.	1.2	8
14	Pressure dependence of electron density distribution and d - p hybridization in titanate perovskite ferroelectrics. <i>Physical Review B</i> , 2018, 97, .	3.2	8
15	Electron hybridization and anharmonic thermal vibration effect on structure transition of SrTiO_3 at high-pressure and low-temperature. <i>Solid State Communications</i> , 2017, 249, 54-59.	1.9	6
16	Thermal expansion of aluminous perovskite ScAlO_3 . <i>Journal of Mineralogical and Petrological Sciences</i> , 2000, 95, 182-192.	0.9	4
17	Pressure-induced amorphization of Mg_2GeO_4 -olivine.. <i>Journal of the Mineralogical Society of Japan</i> , 1994, 17, 151-157.	1.0	4
18	New high-pressure tetragonal polymorphs of SrTiO_3 molecular orbital and Raman band change under pressure. <i>Journal of Physics Condensed Matter</i> , 2018, 30, 265401.	1.8	2

#	ARTICLE	IF	CITATIONS
19	Enhancement of electrical conductivity to metallization of Mn ₃ -Fe O ₄ spinel and postspinel with elevating pressure. Journal of Physics and Chemistry of Solids, 2022, 167, 110721.	4.0	2
20	Pressure Dependence of Electron Density Distribution of Ferroelectric KNbO ₃ Polymorphs by Maximum Entropy Method (MEM) Using Single Crystal Diffraction Study. Materials Research Society Symposia Proceedings, 2006, 987, 1.	0.1	0
21	Frontiers in Crystallography with Synchrotron Radiation. Towards the Next Generation. Future View of X-Ray Crystallography Using SPring-8.. Nihon Kessho Gakkaishi, 1997, 39, 138-142.	0.0	0