

Satoshi Nakano

List of Publications by Year in descending order

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all docs

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docs citations

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times ranked

929
citing authors

#	ARTICLE	IF	CITATIONS
1	Pressure-induced superconductivity in the iron-based ladder material BaFe ₂ S ₃ . Nature Materials, 2015, 14, 1008-1012.	13.3	165
2	Change in compressibility of AlOOH and AlOOD at high pressure: A study of isotope effect and hydrogen-bond symmetrization. American Mineralogist, 2009, 94, 1255-1261.	0.9	85
3	Structural Phase Transition of Rutile-Type MgH ₂ at High Pressures. Journal of the Physical Society of Japan, 2006, 75, 074603.	0.7	60
4	Photochromism in yttrium hydride. Applied Physics Letters, 2007, 91, .	1.5	35
5	Pressure-Driven Spin Crossover Involving Polyhedral Transformation in Layered Perovskite Cobalt Oxyfluoride. Scientific Reports, 2016, 6, 36253.	1.6	21
6	Pressure-induced phase transitions of vaterite, a metastable phase of CaCO ₃ . Journal of Raman Spectroscopy, 2017, 48, 1449-1453.	1.2	19
7	Formation of LiBH ₄ hydrate with dihydrogen bonding. Journal of Alloys and Compounds, 2012, 541, 111-114.	2.8	16
8	Stability and partial oligomerization of naphthalene under high pressure at room temperature. Chemical Physics Letters, 2016, 662, 263-267.	1.2	14
9	Formation of SiH ₄ and H ₂ O by the dissolution of quartz in H ₂ fluid under high pressure and temperature. American Mineralogist, 2014, 99, 1265-1269.	0.9	13
10	Pressure responses of portlandite and H/D isotope effects on pressure-induced phase transitions. Physics and Chemistry of Minerals, 2011, 38, 777-785.	0.3	11
11	Observation of Dihydrogen Bonds in High-Pressure Phases of Ammonia Borane by X-ray and Neutron Diffraction Measurements. Inorganic Chemistry, 2021, 60, 3065-3073.	1.9	11
12	Collapse of CuO Double Chains and Suppression of Superconductivity in High-Pressure Phase of YBa ₂ Cu ₄ O ₈ . Journal of the Physical Society of Japan, 2014, 83, 093601.	0.7	10
13	The spin state of iron in Fe ³⁺ -bearing Mg-perovskite and its crystal chemistry at high pressure. American Mineralogist, 2014, 99, 1555-1561.	0.9	7
14	Superconducting and structural properties of the type-I superconductor $\text{PdTe}_{2-x}\text{S}_x$ under high pressure. Physical Review B, 2021, 104, .		
15	Electronic properties and compressional behavior of Fe-Si alloys at high pressure. American Mineralogist, 2018, 103, 1959-1965.	0.9	4
16	High-pressure studies on TcS_2 and crystal structure of iron chalcogenide superconductors. Science and Technology of Advanced Materials, 2012, 13, 054401.	2.8	3
17	Simultaneous Pressure-Induced Magnetic and Valence Transitions in Type-I Clathrate Eu ₈ Ga ₁₆ Ge ₃₀ . Journal of the Physical Society of Japan, 2014, 83, 013701.	0.7	3
18	Preferential dissolution of SiO ₂ from enstatite to H ₂ fluid under high pressure and temperature. Physics and Chemistry of Minerals, 2016, 43, 277-285.	0.3	3

#	ARTICLE	IF	CITATIONS
19	High-Pressure Synthesis of Superconducting Sn ₃ S ₄ Using a Diamond Anvil Cell with a Boron-Doped Diamond Heater. <i>Inorganic Chemistry</i> , 2022, 61, 4476-4483.	1.9	3
20	Synthesis and Properties of Glassy Microcavities for Morphology-Dependent Resonances through Liquid-Liquid Phase Separation. <i>Journal of the American Ceramic Society</i> , 2002, 85, 1151-1156.	1.9	2
21	Compressibility and blue-shifting O-H stretching bands of magnesium hydroxyfluoride Mg(OH)F up to 20 GPa. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122449.	1.4	1
22	Three-dimensional X-ray topographic characterization of broken and unbroken natural diamond anvil crystals at 99.4 GPa. <i>Transactions of the Materials Research Society of Japan</i> , 2019, 44, 143-148.	0.2	1
23	Pressure-induced phase transitions of cobalt sulfate hydrates and discovery of a new high-pressure phase, CoSO ₄ ·5H ₂ O. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122904.	1.4	0