

Takafumi Yamamoto

List of Publications by Year in descending order

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2,179
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201385

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all docs

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docs citations

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times ranked

2639
citing authors

#	ARTICLE	IF	CITATIONS
1	BaFeO ₃ : A Ferromagnetic Iron Oxide. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 12547-12550.	7.2	153
2	Superconducting state coexisting with a phase-separated static magnetic order in BaFe_2As_2 . <i>Physical Review B</i> , 2009, 80, .	1.1	122
3	A labile hydride strategy for the synthesis of heavily nitridized BaTiO ₃ . <i>Nature Chemistry</i> , 2015, 7, 1017-1023.	6.6	118
4	Metal-Dependent Support Effects of Oxyhydride-Supported Ru, Fe, Co Catalysts for Ammonia Synthesis. <i>Advanced Energy Materials</i> , 2018, 8, 1801772.	10.2	111
5	Realization of interlayer ferromagnetic interaction in MnSb_2Te_4 toward the magnetic Weyl semimetal state. <i>Physical Review B</i> , 2019, 100, .	1.1	81
6	Oxyhydrides of (Ca,Sr,Ba)TiO ₃ Perovskite Solid Solutions. <i>Inorganic Chemistry</i> , 2012, 51, 11371-11376.	1.9	78
7	Hydride in BaTiO _{2.5} H _{0.5} : A Labile Ligand in Solid State Chemistry. <i>Journal of the American Chemical Society</i> , 2015, 137, 15315-15321.	6.6	69
8	Nonlinear magnetization dynamics of antiferromagnetic spin resonance induced by intense terahertz magnetic field. <i>New Journal of Physics</i> , 2016, 18, 013045.	1.2	63
9	Hydride Reductions of Transition Metal Oxides. <i>Chemistry Letters</i> , 2013, 42, 946-953.	0.7	62
10	Stability of the Infinite Layer Structure with Iron Square Planar Coordination. <i>Journal of the American Chemical Society</i> , 2008, 130, 3764-3765.	6.6	54
11	An Antiferro-to-Ferromagnetic Transition in EuTiO _{3-x} H _x Induced by Hydride Substitution. <i>Inorganic Chemistry</i> , 2015, 54, 1501-1507.	1.9	52
12	Conduction Band Control of Oxyhalides with a Triple-Fluorite Layer for Visible Light Photocatalysis. <i>Journal of the American Chemical Society</i> , 2021, 143, 2491-2499.	6.6	52
13	Band Engineering of Double-Layered Aurivillius Perovskite Oxochlorides for Visible-Light-Driven Water Splitting. <i>Chemistry of Materials</i> , 2019, 31, 3419-3429.	3.2	50
14	Topochemical Nitridation with Anion Vacancy-Assisted N ³⁺ /O ²⁻ Exchange. <i>Journal of the American Chemical Society</i> , 2016, 138, 3211-3217.	6.6	47
15	The role of ĩ-blocked hydride ligands in a pressure-induced insulator-to-metal phase transition in SrVO ₂ H. <i>Nature Communications</i> , 2017, 8, 1217.	5.8	47
16	Fe-Site Substitution Effect on the Structural and Magnetic Properties in SrFeO ₂ . <i>Inorganic Chemistry</i> , 2011, 50, 3988-3995.	1.9	46
17	Antiferromagnetic resonance excitation by terahertz magnetic field resonantly enhanced with split ring resonator. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	44
18	Synthesis and Physical Properties of the New Oxybismuthides BaTi ₂ Bi ₂ O and (SrF) ₂ Ti ₂ Bi ₂ O with a $\sqrt{1 \times 1}$ Square Net. <i>Journal of the Physical Society of Japan</i> , 2013, 82, 013703.	0.7	43

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19	Electrical Properties of Epitaxial Thin Films of Oxyhydrides $\text{ATiO}_{3-x}\text{H}_x$ (A = Ba and Sr). <i>Chemistry of Materials</i> , 2015, 27, 6354-6359.	3.2	40
20	MnTaO_2N : Polar LiNbO_3 -type Oxynitride with a Helical Spin Order. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 516-521.	7.2	39
21	$(\text{Sr}_{1-x}\text{Ba}_x)\text{FeO}_{2-x}$ (0.4 $\leq x \leq 1$): A New Oxygen-Deficient Perovskite Structure. <i>Journal of the American Chemical Society</i> , 2012, 134, 11444-11454.	6.6	34
22	A Nearly Ideal One-Dimensional $S = 5/2$ Antiferromagnet $\text{FeF}_3(4,4\text{-bpy})$. <i>Journal of the American Chemical Society</i> , 2017, 139, 9804-9807.	6.6	33
23	On Hydride Diffusion in Transition Metal Perovskite Oxyhydrides Investigated via Deuterium Exchange. <i>Chemistry of Materials</i> , 2017, 29, 8187-8194.	3.2	33
24	Pressure-Induced Structural, Magnetic, and Transport Transitions in the Two-Legged Ladder $\text{Sr}_3\text{Fe}_2\text{O}_5$. <i>Journal of the American Chemical Society</i> , 2011, 133, 6036-6043.	6.6	31
25	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9667-9670.	7.2	31
26	Hydride-Enhanced CO_2 Methanation: Water-Stable $\text{BaTiO}_{2.4}\text{H}_{0.6}$ as a New Support. <i>Advanced Energy Materials</i> , 2018, 8, 1800800.	10.2	28
27	Exploring Structures and Properties through Anion Chemistry. <i>Bulletin of the Chemical Society of Japan</i> , 2019, 92, 1349-1357.	2.0	27
28	ZnTaO_2N : Stabilized High-Temperature LiNbO_3 -type Structure. <i>Journal of the American Chemical Society</i> , 2016, 138, 15950-15955.	6.6	26
29	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system		

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37	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. <i>Nature Communications</i> , 2020, 11, 5923.	5.8	20
38	Substrate-induced anion rearrangement in epitaxial thin films of $\text{LaSrCoO}_{4-x}\text{H}_x$. <i>CrystEngComm</i> , 2014, 16, 9669-9674.	1.3	19
39	Responsive Four-Coordinate Iron(II) Nodes in $\text{FePd}(\text{CN})_4$. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 19254-19259.	7.2	18
40	Promoted Hydride/Oxide Exchange in SrTiO_3 by Introduction of Anion Vacancy via Aliovalent Cation Substitution. <i>Inorganic Chemistry</i> , 2017, 56, 13035-13040.	1.9	16
41	Random fan-out state induced by site-random interlayer couplings. <i>Physical Review B</i> , 2011, 84, .	1.1	15
42	Hypervalent Bismuthides La_3MBi_5 (M = Ti, Zr, Hf) and Related Antimonides: Absence of Superconductivity. <i>Inorganic Chemistry</i> , 2017, 56, 5041-5045.	1.9	15
43	High-Pressure Synthesis of $\text{A}_2\text{NiO}_2\text{Ag}_2\text{Se}_2$ (A=Sr, Ba) with a High-Spin Ni^{2+} in Square-Planar Coordination. <i>Angewandte Chemie</i> , 2019, 131, 766-769.	1.6	15
44	B_1 -to- B_2 Structural Transitions in Rock Salt Intergrowth Structures. <i>Inorganic Chemistry</i> , 2011, 50, 11787-11794.	1.9	13
45	Cubic lead perovskite PbMoO_3 with anomalous metallic behavior. <i>Physical Review B</i> , 2017, 95, .	1.1	13
46	Field-Induced Ferromagnetism of Fe^{4+} -Perovskite System, $\text{Sr}_{1-x}\text{Ba}_x\text{FeO}_3$ ($0 \leq x \leq 1$). <i>Journal of the Physical Society of Japan</i> , 2013, 82, 113702.	0.7	12
47	Superconductivity in LaPd_2As_2 with a collapsed 122 structure. <i>Journal of Alloys and Compounds</i> , 2014, 613, 370-374.	2.8	12
48	Heavy interstitial hydrogen doping into SrTiO_3 . <i>Chemical Communications</i> , 2018, 54, 12439-12442.	2.2	12
49	Pressure-Induced Transitions in the 1-Dimensional Vanadium Oxyhydrides $\text{Sr}_2\text{VO}_3\text{H}$ and $\text{Sr}_3\text{V}_2\text{O}_5\text{H}_2$, and Comparison to 2-Dimensional SrVO_2H . <i>Inorganic Chemistry</i> , 2019, 58, 15393-15400.	1.9	12
50	Enhanced Magnetic Interaction by Face-Shared Hydride Anions in $6\text{H-BaCrO}_2\text{H}$. <i>Inorganic Chemistry</i> , 2021, 60, 11957-11963.	1.9	12
51	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. <i>Angewandte Chemie</i> , 2016, 128, 9819-9822.	1.6	11
52	High-pressure synthesis of the layered iron oxyselenide $\text{BaFe}_2\text{Se}_2\text{O}$ with strong magnetic anisotropy. <i>Physical Review B</i> , 2016, 94, .	1.1	11
53	$\text{PbBi}_3\text{O}_4\text{X}_3$ (X = Cl, Br) with Single/Double Halogen Layers as a Photocatalyst for Visible-Light-Driven Water Splitting: Impact of a Halogen Layer on the Band Structure and Stability. <i>Chemistry of Materials</i> , 2021, 33, 9580-9587.	3.2	11
54	Quadruple-layered perovskite $(\text{CuCl})\text{Ca}_2\text{NaNb}_4\text{O}_{13}$. <i>Journal of Solid State Chemistry</i> , 2012, 185, 10-17.	1.4	10

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55	Interlayer Communication in Aurivillius Vanadate to Enable Defect Structures and Charge Ordering. <i>Inorganic Chemistry</i> , 2015, 54, 10925-10933.	1.9	10
56	Selective and low temperature transition metal intercalation in layered tellurides. <i>Nature Communications</i> , 2016, 7, 13809.	5.8	10
57	Robust Giant Tetragonal Distortion Coupled with High-Spin Co^{3+} in Electron-Doped BiCoO_3 . <i>Inorganic Chemistry</i> , 2019, 58, 16059-16064.	1.9	9
58	Impact of Lanthanoid Substitution on the Structural and Physical Properties of an Infinite-Layer Iron Oxide. <i>Inorganic Chemistry</i> , 2016, 55, 12093-12099.	1.9	8
59	High-Pressure Synthesis and Lithium-Ion Conduction of Li_4OBr_2 Derivatives with a Layered Inverse-Perovskite Structure. <i>Chemistry of Materials</i> , 2021, 33, 9194-9201.	3.2	8
60	Suppression of H^{18}O_2 exchange by incorporated nitride anions in the perovskite lattice. <i>Journal of Solid State Chemistry</i> , 2017, 256, 33-37.	1.4	7
61	Structure and Optical Properties of Layered Perovskite $(\text{MA})_2\text{PbI}_2\text{xBr}_x(\text{SCN})_2$ ($0 \leq x < 1.6$). <i>Inorganic Chemistry</i> , 2020, 59, 17379-17384.	1.9	6
62	HfMnSb_2 : A Metal-Ordered NiAs -type Pnictide with a Conical Spin Order. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 9877-9880.	7.2	5
63	Valence Band Engineering by a Layer Insertion to Sillars Aurivillius Perovskite Oxyhalides. <i>Chemistry Letters</i> , 2017, 46, 1083-1085.	0.7	5
64	Observation of Stabilized Monoclinic Phase as a $\text{A}^{\text{B}}\text{B}^{\text{A}}$ Bridge at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO_3 and Rhombohedral BiFeO_3 . <i>Chemistry of Materials</i> , 2020, 32, 3615-3620.	3.2	5
65	Polyoxocationic antimony oxide cluster with acidic protons. <i>Science Advances</i> , 2022, 8, .	4.7	5
66	Base Catalysis of Sodium Salts of $[\text{Ta}_6\text{xNb}_x\text{O}_{19}]^{8-}$ Mixed-Oxide Clusters. <i>Symmetry</i> , 2021, 13, 1267.	1.1	4
67	Pressure-Induced Collapse Transition in $\text{BaTi}_2\text{Pn}_2\text{O}$ ($\text{Pn} = \text{As}, \text{Sb}$) with an Unusual Pn^{Pn} Bond Elongation. <i>Inorganic Chemistry</i> , 2021, 60, 2228-2233.	1.9	4
68	Conical-to-ferromagnetic phase conversion induced by cation order-disorder transition in $\text{Hf}_1\text{TiMnSb}_2$. <i>Journal of Solid State Chemistry</i> , 2018, 263, 190-194.	1.4	3
69	HfMnSb_2 : A Metal-Ordered NiAs -type Pnictide with a Conical Spin Order. <i>Angewandte Chemie</i> , 2016, 128, 10031-10034.	1.6	2
70	High-Pressure and High-Temperature Synthesis of Anion-Disordered Vanadium Perovskite Oxyhydrides. <i>Inorganic Chemistry</i> , 2021, 60, 15751-15758.	1.9	2
71	Heavy interstitial hydrogen doping into SrTiO_3 , , 0, .		1
72	Sequential Pressure-Induced B^{B} B^{B} Transitions in the Anion-Ordered Oxyhydride Ba_2YHO_3 . <i>Inorganic Chemistry</i> , 2022, 61, 7043-7050.	1.9	1

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73	SrV _{0.3} Fe _{0.7} O _{2.8} : A Vacancy-Ordered Fe-Based Perovskite Exhibiting Room-Temperature Magnetoresistance. <i>Inorganic Chemistry</i> , 2022, 61, 8987-8991.	1.9	1
74	Temperature-induced structural transition in an organic-inorganic hybrid layered perovskite (MA) ₂ PbI ₂ Br ₂ (SCN) ₂ . <i>CrystEngComm</i> , 2022, 24, 5428-5434.	1.3	1
75	Pressure-Induced Transitions in Square Planar Coordinate Metal Oxides. <i>Nihon Kessho Gakkaishi</i> , 2016, 58, 261-266.	0.0	0
76	Effect of Fe-site Substitution on Pressure-induced Spin Transition in SrFeO ₂ . <i>Journal of the Physical Society of Japan</i> , 2017, 86, 124716.	0.7	0
77	High Pressure Synthesis of Hydride-fluoride Pyrochlore NaCaMg ₂ F ₇ H _x . <i>Chemistry Letters</i> , 2018, 47, 829-832.	0.7	0
78	Responsive Four-Coordinate Iron(II) Nodes in FePd(CN) ₄ . <i>Angewandte Chemie</i> , 2020, 132, 19416-19421.	1.6	0
79	Bulk charge density wave and electron-phonon coupling in superconducting copper oxychlorides. <i>Physical Review Research</i> , 2022, 4, .	1.3	0