Takafumi Yamamoto

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

75 papers	1,603 citations	23 h-index	37 g-index
86 ext. papers	1,893 ext. citations	7.9 avg, IF	4.32 L-index

#	Paper	IF	Citations
75	High-Pressure and High-Temperature Synthesis of Anion-Disordered Vanadium Perovskite Oxyhydrides. *Inorganic Chemistry*, **2021**, 60, 15751-15758	5.1	1
74	Base Catalysis of Sodium Salts of [Ta6□NbxO19]8□Mixed-Oxide Clusters. *Symmetry*, **2021**, 13, 1267	2.7	2
73	Enhanced Magnetic Interaction by Face-Shared Hydride Anions in 6H-BaCrOH. *Inorganic Chemistry*, **2021**, 60, 11957-11963	5.1	4
72	Pressure-Induced Collapse Transition in BaTiPnO (Pn = As, Sb) with an Unusual Pn-Pn Bond Elongation. *Inorganic Chemistry*, **2021**, 60, 2228-2233	5.1	3
71	Conduction Band Control of Oxyhalides with a Triple-Fluorite Layer for Visible Light Photocatalysis. *Journal of the American Chemical Society*, **2021**, 143, 2491-2499	16.4	20
70	PbBi3O4X3 (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. *Chemistry of Materials*, **2021**, 33, 9580-9587	9.6	3
69	Observation of Stabilized Monoclinic Phase as a □Bridge□at the Morphotropic Phase Boundary between Tetragonal Perovskite PbVO3 and Rhombohedral BiFeO3. *Chemistry of Materials*, **2020**, 32, 3615-3620	9.6	3
68	Responsive Four-Coordinate Iron(II) Nodes in FePd(CN). *Angewandte Chemie - International Edition*, **2020**, 59, 19254-19259	16.4	6
67	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. *Nature Communications*, **2020**, 11, 5923	17.4	8
66	Structure and Optical Properties of Layered Perovskite (MA)PbIBr(SCN) (0 □Inorganic Chemistry, **2020**, 59, 17379-17384	5.1	2
65	Responsive Four-Coordinate Iron(II) Nodes in FePd(CN)4. *Angewandte Chemie*, **2020**, 132, 19416-19421	3.6	
64	High-Pressure Synthesis of A2NiO2Ag2Se2 (A=Sr, Ba) with a High-Spin Ni2+ in Square-Planar Coordination. *Angewandte Chemie*, **2019**, 131, 766-769	3.6	7
63	Band Engineering of Double-Layered Sill□Aurivillius Perovskite Oxychlorides for Visible-Light-Driven Water Splitting. *Chemistry of Materials*, **2019**, 31, 3419-3429	9.6	32
62	Highly Correlated Hydride Ion Tracer Diffusion in SrTiOH Oxyhydrides. *Journal of the American Chemical Society*, **2019**, 141, 4653-4659	16.4	12
61	Exploring Structures and Properties through Anion Chemistry. *Bulletin of the Chemical Society of Japan*, **2019**, 92, 1349-1357	5.1	21
60	Realization of interlayer ferromagnetic interaction in MnSbTe toward the magnetic Weyl semimetal state. *Physical Review B*, **2019**, 100,	3.3	41
59	Robust Giant Tetragonal Distortion Coupled with High-Spin Co in Electron-Doped BiCoO. *Inorganic Chemistry*, **2019**, 58, 16059-16064	5.1	6

58	Pressure-Induced Transitions in the 1-Dimensional Vanadium Oxyhydrides SrVOH and SrVOH, and Comparison to 2-Dimensional SrVOH. *Inorganic Chemistry*, **2019**, 58, 15393-15400	5.1	5
57	High-Pressure Synthesis of A NiO Ag Se (A=Sr, Ba) with a High-Spin Ni in Square-Planar Coordination. *Angewandte Chemie - International Edition*, **2019**, 58, 756-759	16.4	16
56	Selective Hydride Occupation in BaVO3□Hx (0.3 □x □0.8) with Face- and Corner-Shared Octahedra. *Chemistry of Materials*, **2018**, 30, 1566-1574	9.6	20
55	High Pressure Synthesis of Hydride-fluoride Pyrochlore NaCaMg2F7□Hx. *Chemistry Letters*, **2018**, 47, 829-832	1.7	
54	AgFeOF: A Fluorine-Rich Perovskite Oxyfluoride. *Inorganic Chemistry*, **2018**, 57, 6686-6691	5.1	15
53	Heavy interstitial hydrogen doping into SrTiO. *Chemical Communications*, **2018**, 54, 12439-12442	5.8	7
52	Metal-Dependent Support Effects of Oxyhydride-Supported Ru, Fe, Co Catalysts for Ammonia Synthesis. *Advanced Energy Materials*, **2018**, 8, 1801772	21.8	65
51	Conical-to-ferromagnetic phase conversion induced by cation order□disorder transition in Hf1□□i MnSb2. *Journal of Solid State Chemistry*, **2018**, 263, 190-194	3.3	
50	Hydride-Enhanced CO2 Methanation: Water-Stable BaTiO2.4H0.6 as a New Support. *Advanced Energy Materials*, **2018**, 8, 1800800	21.8	15
49	Hypervalent Bismuthides LaMBi (M = Ti, Zr, Hf) and Related Antimonides: Absence of Superconductivity. *Inorganic Chemistry*, **2017**, 56, 5041-5045	5.1	12
48	Valence Band Engineering by a Layer Insertion to Sill□□Aurivillius Perovskite Oxyhalides. *Chemistry Letters*, **2017**, 46, 1083-1085	1.7	4
47	Promoted Hydride/Oxide Exchange in SrTiO by Introduction of Anion Vacancy via Aliovalent Cation Substitution. *Inorganic Chemistry*, **2017**, 56, 13035-13040	5.1	13
46	The role of □-blocking hydride ligands in a pressure-induced insulator-to-metal phase transition in SrVOH. *Nature Communications*, **2017**, 8, 1217	17.4	34
45	Suppression of H□O2□exchange by incorporated nitride anions in the perovskite lattice. *Journal of Solid State Chemistry*, **2017**, 256, 33-37	3.3	5
44	On Hydride Diffusion in Transition Metal Perovskite Oxyhydrides Investigated via Deuterium Exchange. *Chemistry of Materials*, **2017**, 29, 8187-8194	9.6	20
43	Cubic lead perovskite PbMoO3 with anomalous metallic behavior. *Physical Review B*, **2017**, 95,	3.3	10
42	Effect of Fe-site Substitution on Pressure-induced Spin Transition in SrFeO2. *Journal of the Physical Society of Japan*, **2017**, 86, 124716	1.5	
41	High-pressure synthesis of the layered iron oxyselenide BaFe2Se2O with strong magnetic anisotropy. *Physical Review B*, **2016**, 94,	3.3	7

40	ZnTaON: Stabilized High-Temperature LiNbO-type Structure. *Journal of the American Chemical Society*, **2016**, 138, 15950-15955	16.4	22
39	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. *Angewandte Chemie - International Edition*, **2016**, 55, 9667-70	16.4	23
38	Impact of Lanthanoid Substitution on the Structural and Physical Properties of an Infinite-Layer Iron Oxide. *Inorganic Chemistry*, **2016**, 55, 12093-12099	5.1	8
37	Pressure-Induced Transitions in Square Planar Coordinate Metal Oxides. *Nihon Kessho Gakkaishi*, **2016**, 58, 261-266	0	
36	Topochemical Nitridation with Anion Vacancy-Assisted N(3-)/O(2-) Exchange. *Journal of the American Chemical Society*, **2016**, 138, 3211-7	16.4	37
35	Nonlinear magnetization dynamics of antiferromagnetic spin resonance induced by intense terahertz magnetic field. *New Journal of Physics*, **2016**, 18, 013045	2.9	40
34	Selective and low temperature transition metal intercalation in layered tellurides. *Nature Communications*, **2016**, 7, 13809	17.4	7
33	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. *Angewandte Chemie*, **2016**, 128, 9819-9822	3.6	10
32	HfMnSb2: A Metal-Ordered NiAs-type Pnictide with a Conical Spin Order. *Angewandte Chemie*, **2016** , 128, 10031-10034	3.6	1
31	HfMnSb2 : A Metal-Ordered NiAs-type Pnictide with a Conical Spin Order. *Angewandte Chemie - International Edition*, **2016**, 55, 9877-80	16.4	2
30	A Nearly Ideal One-Dimensional S = 5/2 Antiferromagnet FeF3(4,4'-bpy) (4,4'-bpy =4,4'-bipyridyl) with Strong Intrachain Interactions. *Journal of the American Chemical Society*, **2015**, 137, 9804-7	16.4	28
29	Interlayer Communication in Aurivillius Vanadate to Enable Defect Structures and Charge Ordering. *Inorganic Chemistry*, **2015**, 54, 10925-33	5.1	6
28	A labile hydride strategy for the synthesis of heavily nitridized BaTiO3. *Nature Chemistry*, **2015**, 7, 1017-23	17.6	87
27	Electrical Properties of Epitaxial Thin Films of Oxyhydrides ATiO3−xHx (A = Ba and Sr). *Chemistry of Materials*, **2015**, 27, 6354-6359	9.6	37
26	MnTaO2N: polar LiNbO3-type oxynitride with a helical spin order. *Angewandte Chemie - International Edition*, **2015**, 54, 516-21	16.4	22
25	MnTaO2N: Polar LiNbO3-type Oxynitride with a Helical Spin Order. *Angewandte Chemie*, **2015**, 127, 526-531	3.6	9
24	Hydride in BaTiO2.5H0.5: A Labile Ligand in Solid State Chemistry. *Journal of the American Chemical Society*, **2015**, 137, 15315-21	16.4	54
23	An antiferro-to-ferromagnetic transition in EuTiO(3-x)H(x) induced by hydride substitution. *Inorganic Chemistry*, **2015**, 54, 1501-7	5.1	43

22	Substrate-induced anion rearrangement in epitaxial thin films of LaSrCoO4□Hx. *CrystEngComm*, **2014**, 16, 9669-9674	3.3	17
21	Antiferromagnetic resonance excitation by terahertz magnetic field resonantly enhanced with split ring resonator. *Applied Physics Letters*, **2014**, 105, 022410	3.4	31
20	Superconductivity in LaPd2As2 with a collapsed 122 structure. *Journal of Alloys and Compounds*, **2014**, 613, 370-374	5.7	10
19	Synthesis and Physical Properties of the New Oxybismuthides BaTi2Bi2O and (SrF)2Ti2Bi2O with ad1Square Net. *Journal of the Physical Society of Japan*, **2013**, 82, 013703	1.5	36
18	Gas phase contributions to topochemical hydride reduction reactions. *Journal of Solid State Chemistry*, **2013**, 207, 190-193	3.3	15
17	Field-Induced Ferromagnetism of Fe4+-Perovskite System, Sr1-xBaxFeO3 (0 □1). *Journal of the Physical Society of Japan*, **2013**, 82, 113702	1.5	8
16	Hydride Reductions of Transition Metal Oxides. *Chemistry Letters*, **2013**, 42, 946-953	1.7	53
15	Quadruple-layered perovskite (CuCl)Ca2NaNb4O13. *Journal of Solid State Chemistry*, **2012**, 185, 10-17	3.3	8
14	Oxyhydrides of (Ca,Sr,Ba)TiO3 perovskite solid solutions. *Inorganic Chemistry*, **2012**, 51, 11371-6	5.1	65
13	(Sr(1-x)Ba(x))FeO2 (0.4 □x □1): a new oxygen-deficient perovskite structure. *Journal of the American Chemical Society*, **2012**, 134, 11444-54	16.4	28
12	B1-to-B2 structural transitions in rock salt intergrowth structures. *Inorganic Chemistry*, **2011**, 50, 11787-94	5.1	12
11	BaFeO3: A Ferromagnetic Iron Oxide. *Angewandte Chemie*, **2011**, 123, 12755-12758	3.6	19
10	BaFeO3: a ferromagnetic iron oxide. *Angewandte Chemie - International Edition*, **2011**, 50, 12547-50	16.4	127
9	Fe-site substitution effect on the structural and magnetic properties in SrFeO2. *Inorganic Chemistry* , **2011**, 50, 3988-95	5.1	42
8	Pressure-induced structural, magnetic, and transport transitions in the two-legged ladder Sr3Fe2O5. *Journal of the American Chemical Society*, **2011**, 133, 6036-43	16.4	27
7	Random fan-out state induced by site-random interlayer couplings. *Physical Review B*, **2011**, 84,	3.3	14
6	Synthesis and thermal stability of the solid solution AFeO2 (A = Ba, Sr, Ca). *Inorganic Chemistry*, **2010**, 49, 5957-62	5.1	23
5	Superconducting state coexisting with a phase-separated static magnetic order in (Ba,K)Fe2As2, (Sr,Na)Fe2As2, and CaFe2As2. *Physical Review B*, **2009**, 80,	3.3	115

4	Muon spin relaxation studies of the frustrated quasi-two-dimensional square-lattice spin system Cu(Cl,Br)La(Nb,Ta)2O7: Evolution from spin-gap to antiferromagnetic state. *Physical Review B*, **2009** , 80,	3.3	24
3	Stability of the infinite layer structure with iron square planar coordination. *Journal of the American Chemical Society*, **2008**, 130, 3764-5	16.4	49
2	Synthesis, structure, and magnetic properties of the two-dimensional quantum antiferromagnets (CuBr)A2B3O10 (A=Ca, Sr, Ba, Pb; B=Nb, Ta) with the 1/3 magnetization plateau. *Physical Review B*, **2008**, 78,	3.3	23
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