

Fumitaka Takeiri

List of Publications by Year in descending order

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37
papers

985
citations

394421

19
h-index

434195

31
g-index

40
all docs

40
docs citations

40
times ranked

985
citing authors

#	ARTICLE	IF	CITATIONS
1	A labile hydride strategy for the synthesis of heavily nitrized BaTiO ₃ . Nature Chemistry, 2015, 7, 1017-1023.	13.6	118
2	Superconductivity in BaTi ₂ Sb ₂ O with a <i>1 × 1</i> Square Lattice. Journal of the Physical Society of Japan, 2012, 81, 103706.	1.6	85
3	Oxyhydrides of (Ca,Sr,Ba)TiO ₃ Perovskite Solid Solutions. Inorganic Chemistry, 2012, 51, 11371-11376.	4.0	78
4	Chemical Pressure-Induced Anion Order-Disorder Transition in LnHO Enabled by Hydride Size Flexibility. Journal of the American Chemical Society, 2018, 140, 11170-11173.	13.7	65
5	Hydride Conductivity in an Anion-Ordered Fluorite Structure LnHO with an Enlarged Bottleneck. Chemistry of Materials, 2019, 31, 7360-7366.	6.7	52
6	Recent Progress on Mixed-Anion Materials for Energy Applications. Bulletin of the Chemical Society of Japan, 2022, 95, 26-37.	3.2	51
7	Topochemical Nitridation with Anion Vacancy-Assisted N ³⁻ /O ²⁻ Exchange. Journal of the American Chemical Society, 2016, 138, 3211-3217.	13.7	47
8	Synthesis and Physical Properties of the New Oxybismuthides BaTi ₂ Bi ₂ O and (SrF) ₂ Ti ₂ Bi ₂ O with a <i>1 × 1</i> Square Net. Journal of the Physical Society of Japan, 2013, 82, 013703.	1.6	43
9	Ba ₂ ScHO ₃ : H ⁻ Conductive Layered Oxyhydride with H ⁻ Site Selectivity. Inorganic Chemistry, 2019, 58, 4431-4436.	4.0	41
10	Two Superconducting Phases in the Isovalent Solid Solutions BaTi ₂ $\langle i \rangle \text{Pn} \langle /i \rangle \text{O}$ ($\langle i \rangle \text{Pn} \langle /i \rangle = \text{As, Sb, and Bi}$). Journal of the Physical Society of Japan, 2013, 82, 033705.	1.6	39
11	Anion ordering enables fast H ⁺ conduction at low temperatures. Science Advances, 2021, 7, .	10.3	32
12	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. Angewandte Chemie - International Edition, 2016, 55, 9667-9670.	13.8	31
13	Synthesis and H ⁺ conductivity of a new oxyhydride Ba ₂ YHO ₃ with anion-ordered rock-salt layers. Chemical Communications, 2020, 56, 10373-10376.	4.1	30
14	ZnTaO ₂ N: Stabilized High-Temperature LiNbO ₃ -type Structure. Journal of the American Chemical Society, 2016, 138, 15950-15955.	13.7	26
15	Hydride-ion-conducting K ₂ NiF ₄ -type Ba ⁻ Li oxyhydride solid electrolyte. Nature Materials, 2022, 21, 325-330.	27.5	26
16	Luminescent ionic liquid formed from a melted rhenium(<i>scpv</i>) cluster. Chemical Communications, 2020, 56, 7957-7960.	4.1	22
17	AgFeOF ₂ : A Fluorine-Rich Perovskite Oxyfluoride. Inorganic Chemistry, 2018, 57, 6686-6691.	4.0	20
18	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923.	12.8	20

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19	High-Pressure Polymorphs of LaHO with Anion Coordination Reversal. Journal of the American Chemical Society, 2019, 141, 8717-8720.	13.7	19
20	Tc Enhancement by Aliovalent Anionic Substitution in Superconducting BaTi ₂ (Sb _{1-x} Sn _x) ₂ O. Journal of the Physical Society of Japan, 2013, 82, 074707.	1.6	18
21	Promoted Hydride/Oxide Exchange in SrTiO ₃ by Introduction of Anion Vacancy via Aliovalent Cation Substitution. Inorganic Chemistry, 2017, 56, 13035-13040.	4.0	16
22	Hypervalent Bismuthides La ₃ MBi ₅ (M = Ti, Zr, Hf) and Related Antimonides: Absence of Superconductivity. Inorganic Chemistry, 2017, 56, 5041-5045.	4.0	15
23	High-Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. Angewandte Chemie, 2016, 128, 9819-9822.	2.0	11
24	High-pressure synthesis of the layered iron oxyselenide BaFe ₂ Se ₂ O with strong magnetic anisotropy. Physical Review B, 2016, 94, .	3.2	11
25	Theoretical band structure of the superconducting antiperovskite oxide $Sr_{1-x}Ca_xFe_2Se_2O$. <i>Physical Review B: Condensed Matter</i> , 2018, 536, 752-756.	2.7	11
26	Single Crystal Growth of Sillars Aurivillius Perovskite Oxyhalides Bi ₄ NbO ₈ X (X = Cl, Br). Inorganics, 2018, 6, 41.	2.7	10
27	Superconductivity in the Hypervalent Compound Ba ₂ Bi(Sb _{1-x} Bi _x) ₂ with a Square-Honeycomb Lattice. Journal of the Physical Society of Japan, 2014, 83, 073705.	1.6	7
28	Suppression of H ₂ O exchange by incorporated nitride anions in the perovskite lattice. Journal of Solid State Chemistry, 2017, 256, 33-37.	2.9	7
29	Direct synthesis of barium titanium oxyhydride for use as a hydrogen permeable electrode. Journal of Materials Chemistry A, 2021, 9, 20371-20374.	10.3	7
30	Trihalide Mixing by Size-Flexible H ⁺ Ions in Layered Ba ₂ H ₃ (Cl, Br). <i>Journal of Materials Chemistry A</i> , 2021, 9, 20371-20374.	8.7	7
31	Topochemical anion insertion into one-dimensional Bi channels in Bi ₂ PdO ₄ . Journal of Solid State Chemistry, 2020, 286, 121273.	2.9	5
32	Effects of mechanical grinding on the phase behavior and anhydrous proton conductivity of imidazolium hydrogen succinate. Solid State Ionics, 2021, 372, 115775.	2.7	4
33	Mixed-Anion Compounds: A New Trend in Solid State Chemistry. Nihon Kessho Gakkaishi, 2018, 60, 240-245.	0.0	3
34	Exploring the Gas Chemistry of Old Submarine Technologies Using Plastic Bottles as Reaction Vessels and Models. Journal of Chemical Education, 2016, 93, 1411-1414.	2.3	2
35	Illustrating the Basic Functioning of Mass Analyzers in Mass Spectrometers with Ball-Rolling Mechanisms. Journal of Chemical Education, 2017, 94, 1502-1506.	2.3	2
36	ToF inelastic neutron scattering studies on quantum spin systems (CuCl)LaB ₂ O ₇ (B= Nb, Ta). Journal of Physics: Conference Series, 2011, 320, 012037.	0.4	0

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37	O ²⁺ -to-F ⁺ substitution on the quasi-two-dimensional quantum antiferromagnet (CuCl)LaNb ₂ O ₇ . Journal of Physics: Conference Series, 2011, 320, 012036.	0.4	0