Fumitaka Takeiri

List of Publications by Year
in descending order

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37	985	394421	434195
papers	citations	19	31
		h-index	g-index

40	40	40	985
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent Progress on Mixed-Anion Materials for Energy Applications. Bulletin of the Chemical Society of Japan, 2022, 95, 26-37.	3.2	51
2	Hydride-ion-conducting K2NiF4-type Baâ€“Li oxyhydride solid electrolyte. Nature Materials, 2022, 21, 325-330.	27.5	26
3	Trihalide Mixing by Size-Flexible H^{â€“} Ions in Layered Ba₂H₃ (Cl, Br,) Tj ETQq1 1 0.784314 rgB	6.7	7
4	Anion ordering enables fast H ^{â^’} conduction at low temperatures. Science Advances, 2021, 7, .	10.3	32
5	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
6	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
7	Strain-induced creation and switching of anion vacancy layers in perovskite oxynitrides. Nature Communications, 2020, 11, 5923.	12.8	20
8	Synthesis and H^{â^’} conductivity of a new oxyhydride Ba₂YHO₃ with anion-ordered rock-salt layers. Chemical Communications, 2020, 56, 10373-10376.	4.1	30
9	Luminescent ionic liquid formed from a melted rhenium(<scp>v</scp>) cluster. Chemical Communications, 2020, 56, 7957-7960.	4.1	22
10	Topochemical anion insertion into one-dimensional Bi channels in Bi2PdO4. Journal of Solid State Chemistry, 2020, 286, 121273.	2.9	5
11	Hydride Conductivity in an Anion-Ordered Fluorite Structure LnHO with an Enlarged Bottleneck. Chemistry of Materials, 2019, 31, 7360-7366.	6.7	52
12	High-Pressure Polymorphs of LaHO with Anion Coordination Reversal. Journal of the American Chemical Society, 2019, 141, 8717-8720.	13.7	19
13	Ba₂ScHO₃: H^{â€“} Conductive Layered Oxyhydride with H^{â€“} Site Selectivity. Inorganic Chemistry, 2019, 58, 4431-4436.	4.0	41
14	Theoretical band structure of the superconducting antiperovskite oxide <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si0032.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">S</mml:mi><mml:mi mathvariant="normal">r</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn><mml:mo>â^’</mml:mo><mml:mi>x</mml:mi></ml	2.7	11
15	Physica B: Condensed Matter, 2018, 536, 752-756. Mixed-Anion Compounds: A New Trend in Solid State Chemistry. Nihon Kessho Gakkaishi, 2018, 60, 240-245.	0.0	3
16	Single Crystal Growth of SillÃ©nâ€“Aurivillius Perovskite Oxyhalides Bi4NbO8X (X = Cl, Br). Inorganics, 2018, 6, 41.	2.7	10
17	AgFeOF₂: A Fluorine-Rich Perovskite Oxyfluoride. Inorganic Chemistry, 2018, 57, 6686-6691.	4.0	20
18	Chemical Pressure-Induced Anion Orderâ€“Disorder Transition in LnHO Enabled by Hydride Size Flexibility. Journal of the American Chemical Society, 2018, 140, 11170-11173.	13.7	65

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19	Hypervalent Bismuthides La₃MBi₅ (M = Ti, Zr, Hf) and Related Antimonides: Absence of Superconductivity. Inorganic Chemistry, 2017, 56, 5041-5045.	4.0	15
20	Promoted Hydride/Oxide Exchange in SrTiO₃ by Introduction of Anion Vacancy via Aliovalent Cation Substitution. Inorganic Chemistry, 2017, 56, 13035-13040.	4.0	16
21	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
22	Suppression of Hâ€"/O2â€" exchange by incorporated nitride anions in the perovskite lattice. Journal of Solid State Chemistry, 2017, 256, 33-37.	2.9	7
23	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
24	Highâ€Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. Angewandte Chemie, 2016, 128, 9819-9822.	2.0	11
25	High-pressure synthesis of the layered iron oxyselenide BaFe2Se2O with strong magnetic anisotropy. Physical Review B, 2016, 94, .	3.2	11
26	ZnTaO₂N: Stabilized High-Temperature LiNbO₃-type Structure. Journal of the American Chemical Society, 2016, 138, 15950-15955.	13.7	26
27	Highâ€Pressure Synthesis of Manganese Oxyhydride with Partial Anion Order. Angewandte Chemie - International Edition, 2016, 55, 9667-9670.	13.8	31
28	Topochemical Nitridation with Anion Vacancy-Assisted N^{3â€"}/O^{2â€"} Exchange. Journal of the American Chemical Society, 2016, 138, 3211-3217.	13.7	47
29	A labile hydride strategy for the synthesis of heavily nitridized BaTiO3. Nature Chemistry, 2015, 7, 1017-1023.	13.6	118
30	Superconductivity in the Hypervalent Compound Ba₂Bi(Sb_{1â^'}_xBi_x)₂ with a Square-Honeycomb Lattice. Journal of the Physical Society of Japan, 2014, 83, 073705.	1.6	7
31	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.	1.6	43
32	TcEnhancement by Aliovalent Anionic Substitution in Superconducting BaTi2(Sb1-xSnx)2O. Journal of the Physical Society of Japan, 2013, 82, 074707.	1.6	18
33	Two Superconducting Phases in the Isovalent Solid Solutions BaTi₂Pn₂O (Pn= As, Sb, and Bi). Journal of the Physical Society of Japan, 2013, 82, 033705.	1.6	39
34	Superconductivity in BaTi₂Sb₂O with ad¹Square Lattice. Journal of the Physical Society of Japan, 2012, 81, 103706.	1.6	85
35	Oxyhydrides of (Ca,Sr,Ba)TiO₃ Perovskite Solid Solutions. Inorganic Chemistry, 2012, 51, 11371-11376.	4.0	78
36	ToF inelastic neutron scattering studies on quantum spin systems (CuCl)LaB2O7(B= Nb, Ta). Journal of Physics: Conference Series, 2011, 320, 012037.	0.4	0

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37	O2â^'-to-Fâ^'substitution on the quasi-two-dimensional quantum antiferromagnet (CuCl)LaNb2O7. Journal of Physics: Conference Series, 2011, 320, 012036.	0.4	0