Hisanori Yamane

List of Publications by Year
in descending order

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		346980	312153
125	2,157	22	41
papers	citations	h-index	g-index

139	139	139	1656
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Hydrothermal synthesis and crystal structure of a novel double-perovskite-type bismuth oxide with 3â€‰:â€‰1 ordering at the B-site. New Journal of Chemistry, 2022, 46, 3595-3601.	1.4	5
2	Unusual Resistive Transitions in the Nodal-Line Semimetallic Superconductor NaAlSi. Journal of the Physical Society of Japan, 2022, 91, .	0.7	6
3	Synthesis, crystal structure, and photoluminescence of the new nitridoboroaluminosilicate phosphor (Sr0.93Eu0.07)11B2(Al0.275Si0.725)40N59. Journal of Solid State Chemistry, 2022, 312, 123222.	1.4	1
4	Sr₉La₂(WO₆)₄ containing [WO₆] octahedra. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 766-769.	0.2	0
5	Pseudogap Formation in the Nodal-Line Semimetal NaAlGe. Journal of the Physical Society of Japan, 2022, 91, .	0.7	2
6	Synthesis and Characterization of NaCd0.92Sn1.08, Na(Cd0.28Sn0.72)2 and Na2CdSn5 with Three-Dimensional Cd-Sn Frameworks. Inorganics, 2021, 9, 19.	1.2	1
7	Superconductivity in the Topological Nodal-line Semimetal NaAlSi. Journal of the Physical Society of Japan, 2021, 90, 034710.	0.7	14
8	Synthesis, crystal structure, and lithium ion conductivity of Li2.10Sn0.90O2.85. Solid State Ionics, 2021, 364, 115610.	1.3	0
9	Hydrothermal Synthesis and Crystal Structure of a Novel Bismuth Oxide: (K_{0.2}Sr_{0.8})(Na_{0.01}Ca_{0.25}Bi_{0.74})O₃ ACS Omega, 2021, 6, 15975-15980.	1.6	11
10	Structural analyses of Gd3(Al,Ga)5O12 garnet solid solutions via X-ray and UV absorption spectroscopy experiments for Gd atoms. Journal of Alloys and Compounds, 2021, 867, 159055.	2.8	3
11	Seeded Growth of Type-II Na24Si136 Clathrate Single Crystals. Crystals, 2021, 11, 808.	1.0	6
12	Sr7N2Sn3: a layered antiperovskite-type nitride stannide containing zigzag chains of Sn4 polyanions. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	1
13	Identification and characterisation of a new orthorhombic Ti6Sn5O0.9 structure. Materials Today Communications, 2021, 28, 102704.	0.9	0
14	A novel ternary bismuthide, NaMgBi: crystal and electronic structure and electrical properties. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2021, .	0.3	3
15	Li₇Ba₃Al₃O₁₁: a new supertetrahedral oxide. Dalton Transactions, 2021, 50, 17208-17214.	1.6	4
16	Crystal structure of chain silicate Cs₃LuSi₃O₉. Acta Crystallographica Section E: Crystallographic Communications, 2021, 77, 1239-1242.	0.2	0
17	Local structure analysis of Sb, Bi, and Ag dopant atoms in Mg₂Si semiconductor by x-ray absorption spectroscopy and first-principles calculation. Journal of Applied Physics, 2021, 130, 245105.	1.1	1
18	Pyrochlore-type oxide solid solutions: (Bi1â^'xGax)2â^'dTi2O7â^'3d/2. Journal of Materials Chemistry C, 2020, 8, 663-671.	2.7	6

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19	Synthesis, crystal structure, and luminescence properties of new aluminum-silicon-nitride phosphor, (Sr0.98Eu0.02)(Al0.05Si0.95)6N8. Journal of Alloys and Compounds, 2020, 821, 153386.	2.8	2
20	Synthesis, Crystal Structure, and Luminescence Properties of a White-Light-Emitting Nitride Phosphor, Ca_{0.99}Eu_{0.01}AlSi₄N₇. Inorganic Chemistry, 2020, 59, 367-375.	1.9	4
21	Hydrothermal Synthesis and Crystal Structure of a Mixed-Valence Bismuthate, Na₃Bi₃O₈. Inorganic Chemistry, 2020, 59, 4950-4960.	1.9	13
22	Fabrication of Alâ€“Cuâ€“Fe particles containing quasicrystalline i-phase by oxidation of Ï‰-phase in air. Journal of Materials Science, 2020, 55, 12448-12457.	1.7	3
23	Crystal structure of lutetium aluminate (LUAM), Lu₄Al₂O₉. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 752-755.	0.2	3
24	Lu-atom-ordered oxonitridoaluminosilicate Ba_{0.9}Ce_{0.1}LuAl_{0.2}Si_{3.8}N_{6.9}O_{0.1}. Acta Crystallographica Section E: Crystallographic Communications, 2020, 76, 1708-1711.	0.2	1
25	Hydrothermal Synthesis and Crystal Structure of a (Ba_{0.54}K_{0.46})₄Bi₄O₁₂ Double-Perovskite Superconductor with Onset of the Transition T_c â‰ˆ 30 K. Inorganic Chemistry, 2019, 58, 11997-12001.	1.9	24
26	Na₃Pt₁₀Si₅: A Non-Centrosymmetric Superconductor Having Rattling Na Atoms in the Tunnel Framework Structure. Inorganic Chemistry, 2019, 58, 12911-12917.	1.9	2
27	Single crystal growth and structure analysis of type-I (Na/Sr)â€“(Ga/Si) quaternary clathrates. RSC Advances, 2019, 9, 14586-14591.	1.7	3
28	Synthesis, crystal structure and properties of a quaternary oxide with a new structure type, BiGaTi₄O₁₁. Acta Crystallographica Section C, Structural Chemistry, 2019, 75, 702-706.	0.2	1
29	Synthesis, Crystal Structure, and Photoluminescence of the Boronâ€“Aluminumâ€“Silicon Nitride Phosphor Sr₃BAl₅Si₉N₂₀:Eu. Inorganic Chemistry, 2018, 57, 5677-5683.	1.9	6
30	Red-emission over a wide range of wavelengths at various temperatures from tetragonal BaCN₂:Eu²⁺. Journal of Materials Chemistry C, 2018, 6, 6370-6377.	2.7	26
31	Crystal structure of Ce-doped (La,Gd)2Si2O7 grown by the Czochralski process. Journal of Alloys and Compounds, 2018, 748, 404-410.	2.8	5
32	Synthesis, crystal structure, and luminescence properties of a new nitride polymorph, Î²-Sr0.98Eu0.02AlSi4N7. Journal of Solid State Chemistry, 2018, 258, 664-673.	1.4	5
33	Sodium flux synthesis of nitrides. Progress in Solid State Chemistry, 2018, 51, 27-40.	3.9	19
34	Crystal Growth Conditions of Types I and II Naâ€“Si Clathrates by Evaporation of Na from a Naâ€“Siâ€“Sn Solution. Crystal Growth and Design, 2018, 18, 351-355.	1.4	9
35	Naâ€“Gaâ€“Si type-I clathrate single crystals grown via Na evaporation using Naâ€“Ga and Naâ€“Gaâ€“Sn fluxes. RSC Advances, 2018, 8, 40505-40510.	1.7	6
36	Hydrothermal reaction of NaBiO₃Â·<i>n</i>H₂O with transition-metal (Co, Ni, Cu) salts. Journal of the Ceramic Society of Japan, 2018, 126, 1005-1012.	0.5	4

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37	Single crystals of the filled Ti₂N-type Î·-phase Ti₃Zn₃O_x (x = 1.07 and 1.23) prepared using a Bi flux. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 917-922.	0.2	0
38	Crystal structure of Ti8Bi9O0.25 containing interstitial oxygen atoms. Acta Crystallographica Section E: Crystallographic Communications, 2018, 74, 1366-1368.	0.2	3
39	Ternary Suboxides Ti₇Ga₂O₆, Ti₃GaO, and Ti₅Ga₃O. Inorganic Chemistry, 2018, 57, 9941-9948.	1.9	2
40	Synthesis of suboxides, Ti8(Sn Bi1â^')O7 and Ti11.17(Sn0.85Bi0.15)3O10, using a Bi flux and their crystal structures. Journal of Alloys and Compounds, 2017, 701, 967-974.	2.8	6
41	Synthesis and crystal structure of a new aluminum-silicon-nitride phosphor containing boron, Ba 5 B 2 Al 4 Si 32 N 52 :Eu. Journal of Solid State Chemistry, 2017, 251, 43-49.	1.4	4
42	Eu²⁺â€doped strontium aluminum silicon nitrides having Î±â€SiAlON and polytypoid structures. Journal of the American Ceramic Society, 2017, 100, 4276-4287.	1.9	6
43	Thermoelectric Properties of Na2ZnSn5 Dimorphs with Na Atoms Disordered in Tunnels. Chemistry of Materials, 2017, 29, 859-866.	3.2	5
44	Synthesis and Crystal Structure of Suboxide Solid Solutions, Ti_{12â^'Î´}Ga_xBi_{3â€“x}O₁₀. Inorganic Chemistry, 2017, 56, 11610-11618.	1.9	7
45	Frontispiz: É›â€TiO, a Novel Stable Polymorph of Titanium Monoxide. Angewandte Chemie, 2016, 128, .	1.6	0
46	Single crystal growth of type I Naâ€“Si clathrate by using Naâ€“Sn flux. Journal of Crystal Growth, 2016, 450, 164-167.	0.7	11
47	É›â€TiO, a Novel Stable Polymorph of Titanium Monoxide. Angewandte Chemie, 2016, 128, 1684-1689.	1.6	3
48	Synthesis and crystal structure analysis of titanium bismuthide oxide, Ti8BiO7. Journal of Alloys and Compounds, 2016, 675, 377-380.	2.8	7
49	Frontispiece: É›â€TiO, a Novel Stable Polymorph of Titanium Monoxide. Angewandte Chemie - International Edition, 2016, 55, .	7.2	0
50	É›â€TiO, a Novel Stable Polymorph of Titanium Monoxide. Angewandte Chemie - International Edition, 2016, 55, 1652-1657.	7.2	42
51	Synthesis, Crystal Structure, and Thermoelectric Properties of Na_{2+x}Al_{2+x}Sn_{4â€“x} (x = â^'0.38, â€“0.24). Chemistry of Materials, 2016, 28, 601-607.	3.2	7
52	Crystal structure of TiBi₂. Acta Crystallographica Section E: Crystallographic Communications, 2016, 72, 1254-1256.	0.2	4
53	Synthesis of ternary Si clathrates in the Aâ€“Alâ€“Si (A = Na and K) system. Japanese Journal of Applied Physics, 2015, 54, 07JC02.	0.8	6
54	A Thermoelectric Zintl Phase Na_{2+x}Ga_{2+x}Sn_{4â€“x} with Disordered Na Atoms in Helical Tunnels. Advanced Materials, 2015, 27, 4708-4713.	11.1	29

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55	Synthesis and crystal structure of Ba26B12Si5N27 containing [Si2] dumbbells. Journal of Solid State Chemistry, 2015, 230, 390-396.	1.4	7
56	Synthesis, crystal structure and photoluminescence of (Ba0.99Eu0.01)Al3Si4N9. Journal of Solid State Chemistry, 2015, 228, 258-265.	1.4	3
57	Synthesis of NaB5C bulk ceramics by reaction sintering. Solid State Sciences, 2015, 47, 39-42.	1.5	4
58	Synthesis and crystal structure analysis of Li2NaBP2O8 and LiNa2B5P2O14. Journal of Solid State Chemistry, 2015, 225, 65-71.	1.4	18
59	Growth of Bulk Nitrides from a Na Flux. , 2015, , 505-533.		6
60	Synthesis, Crystal Structure, and High-Temperature Phase Transition of the Novel Plumbide Na2MgPb. Inorganic Chemistry, 2014, 53, 5253-5259.	1.9	11
61	Synthesis, crystal structure and lithium ion conduction of Li₃BP₂O₈. Dalton Transactions, 2014, 43, 2294-2300.	1.6	15
62	The crystal structure of Li₂B₃PO₈with the 2D-linkage of BO₃, BO₄and PO₄groups. Dalton Transactions, 2014, 43, 14525-14528.	1.6	19
63	Ba4Mg[Si2N6], Ba3Ca2[Si2N6] and Ba1.6Sr3.4[Si2N6] â€“ Quaternary barium alkaline-earth silicon nitrides containing isolated nitridosilicate anions of [Si2N6]10â¯. Journal of Alloys and Compounds, 2013, 555, 320-324.	2.8	18
64	Synthesis and Crystal Structures of Ca4SiN4 and New Polymorph of Ca5Si2N6. Inorganic Chemistry, 2013, 52, 5559-5563.	1.9	17
65	Low-temperature preparation and thermoelectric properties of CrSi2, MnSi1.7+Î´, and CoSi using a Na flux. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1692-1695.	0.8	5
66	Synthesis of SiC via low-temperature heating of graphite and Si with Na flux. Journal of the Ceramic Society of Japan, 2013, 121, 930-933.	0.5	1
67	Synthesis, Crystal Structure, Chemical Bonding, and Physical Properties of the Ternary Na/Mg Stannide Na₂MgSn. Inorganic Chemistry, 2012, 51, 4810-4816.	1.9	19
68	Powder X-ray diffraction pattern of NbSi1.9 containing planar stacking faults. Intermetallics, 2012, 22, 189-192.	1.8	1
69	Preparation, crystal structure and photoluminescence of lithium magnesium manganese borate solid solutions, LiMg1â¯Mn BO3. Journal of Alloys and Compounds, 2012, 512, 223-229.	2.8	10
70	Synthesis, crystal structure and photoluminescence of a new Eu-doped Sr containing sialon (Sr0.94Eu0.06)(Al0.3Si0.7)4(N0.8O0.2)6. Journal of Solid State Chemistry, 2012, 190, 264-270.	1.4	16
71	Redetermination of synthetic warwickite, Mg3TiO2(BO3)2. Acta Crystallographica Section E: Structure Reports Online, 2011, 67, i18-i19.	0.2	4
72	Low-temperature synthesis of Î±- and Î²-MoSi2 powders using Na. Journal of Alloys and Compounds, 2011, 509, L23-L25.	2.8	10

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73	Low Temperature Synthesis of NbSi2 Powder Using a Na-Si Melt. Funtai Oyobi Fummatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy, 2011, 58, 116-120.	0.1	2
74	Exploration of New Materials and Processing Using Sodium. Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals, 2011, 75, 5-9.	0.2	0
75	Synthesis, crystal structures and photoluminescence properties of new oxyborates, Mg5NbO3(BO3)3 and Mg5TaO3(BO3)3, with novel warwickite-type superstructures. Journal of Solid State Chemistry, 2011, 184, 2466-2471.	1.4	7
76	Preparation, crystal structure and photoluminescence of garnet-type calcium tin titanium aluminates. Journal of Solid State Chemistry, 2011, 184, 965-970.	1.4	7
77	Fabrication of porous SiC ceramics having pores shaped with Si grain templates. Journal of the European Ceramic Society, 2011, 31, 409-413.	2.8	14
78	Photoelectrochemical Properties of Single Crystalline and Polycrystalline GaN Grown by the Na-flux Method. Electrochemistry, 2010, 78, 136-139.	0.6	3
79	Synthesis and photoluminescence of Caâ€“(Sn,Ti)â€“Siâ€“O compounds. Materials Research Bulletin, 2010, 45, 367-372.	2.7	13
80	Synthesis and characterization of manganese and cobalt pyroborates: M2B2O5 (MÂ=ÂMn, Co). Solid State Sciences, 2010, 12, 1419-1421.	1.5	8
81	Doubleâ€Helical Silicon Microtubes. Angewandte Chemie - International Edition, 2010, 49, 3638-3641.	7.2	43
82	Preparation, crystal structure and photoluminescence of Mn2+-doped magnesium pyroborates solid solutions, (Mg1â€“xMnx)2B2O5. Journal of Luminescence, 2010, 130, 2161-2165.	1.5	16
83	Synthesis, Crystal Structure Analysis, and Photoluminescence of Ti⁴⁺-Doped Mg₅SnB₂O₁₀. Chemistry of Materials, 2010, 22, 5937-5944.	3.2	14
84	Synthesis, crystal structure and luminescent properties of titanium(IV)-doped calcium borostannates, CaSn1â”xTix(BO3)2. Journal of Alloys and Compounds, 2010, 490, 443-447.	2.8	17
85	Synthesis and crystal structure of sodium borosilicide, Na8B74.5Si17.5. Dalton Transactions, 2010, 39, 10197.	1.6	13
86	Preparation of Bulk Î²-FeSi2Using a Naâ€“Si Melt. Japanese Journal of Applied Physics, 2009, 48, 100209.	0.8	7
87	Growth of colorless transparent GaN single crystals on prismatic GaN seeds using a Ga melt and Na vapor. Materials Research Bulletin, 2009, 44, 594-599.	2.7	22
88	Preparation of polycrystalline bulk Mg2Si by using NaSi. Journal of Materials Science, 2009, 44, 5688-5691.	1.7	7
89	Synthesis, crystal structure and characterization of iron pyroborate (Fe2B2O5) single crystals. Journal of Solid State Chemistry, 2009, 182, 2004-2009.	1.4	19
90	Effects of stacking fault on the diffraction intensities of Î²-FeSi2. Journal of Alloys and Compounds, 2009, 476, 282-287.	2.8	23

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91	Synthesis and crystal structure of Ba3Si4C2. Journal of Alloys and Compounds, 2009, 486, 70-73.	2.8	5
92	Synthesis of nitrides and silicon carbide using sodium. Journal of the Ceramic Society of Japan, 2009, 117, 1021-1027.	0.5	6
93	Lowâ€Temperature Fabrication of Porous Î²â€SiC Ceramics in Sodium Vapor. Journal of the American Ceramic Society, 2008, 91, 51-55.	1.9	30
94	Preparation, crystal structure, and photoluminescence of Ca2SnO4:Eu3+, Y3+. Journal of Solid State Chemistry, 2008, 181, 2559-2564.	1.4	36
95	Crystal structure and luminescence of Sr0.99Eu0.01AlSiN3. Journal of Solid State Chemistry, 2008, 181, 1848-1852.	1.4	92
96	Low Temperature Synthesis of .BETA.-SiC Powder by the Na Flux Method using Fullerene and Silicon. Journal of the Ceramic Society of Japan, 2007, 115, 74-76.	1.3	21
97	Low-Temperature Synthesis of Î²-FeSi2Powder Using a Sodium Melt. Chemistry of Materials, 2007, 19, 6047-6051.	3.2	18
98	Quaternary Compounds Prepared in a CaO?Y2O3?SnO2System. Journal of the American Ceramic Society, 2007, 90, 1917-1920.	1.9	7
99	Synthesis and crystal structures of CaY2Ge3O10 and CaY2Ge4O12. Journal of Solid State Chemistry, 2006, 179, 289-295.	1.4	30
100	The process of GaN single crystal growth by the Na flux method with Na vapor. Journal of Crystal Growth, 2006, 286, 494-497.	0.7	22
101	Single crystal growth of GaN using a Ga melt in Na vapor. Journal of Crystal Growth, 2005, 281, 242-248.	0.7	17
102	The Indium Subnitrides Ae6In4(InxLiy)N3-z(Ae = Sr and Ba). Inorganic Chemistry, 2005, 44, 6680-6690.	1.9	13
103	Multinary Nitrides and Nitride-Related New Compounds. Nihon Kessho Gakkaishi, 2005, 47, 323-333.	0.0	2
104	Properties of the 3.4 eV Luminescence Band in GaN and its Relation to Stacking Faults. Materials Science Forum, 2004, 457-460, 1613-1616.	0.3	12
105	Ba19In9N9, a subnitride containing isolated [In5]5â^'and [In8]12â^'Zintl anions. Acta Crystallographica Section E: Structure Reports Online, 2004, 60, i120-i123.	0.2	8
106	Single crystal growth of manganese gallium nitride using Mnâ€“Gaâ€“Na melt. Journal of Alloys and Compounds, 2004, 364, 280-282.	2.8	13
107	Single crystal growth of GaN by the temperature gradient Na flux method. Journal of Crystal Growth, 2004, 266, 461-466.	0.7	26
108	Synthesis and crystal structure analysis of Sr8Cu3In4N5 and Sr0.53Ba0.47CuN. Journal of Solid State Chemistry, 2003, 170, 265-272.	1.4	10

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109	Morphology and Polarity of GaN Single Crystals Synthesized by the Na Flux Method. Crystal Growth and Design, 2002, 2, 55-58.	1.4	40
110	Conditions for seeded growth of GaN crystals by the Na flux method. Materials Letters, 2002, 56, 660-664.	1.3	34
111	Synthesis and Structure of Ba8Cu3In4N5 with Nitridocuprate Groups and One-Dimensional Infinite Indium Clusters. Journal of Solid State Chemistry, 2002, 163, 449-454.	1.4	16
112	Ba14Cu2In4N7, a new subnitride with isolated nitridocuprate groups and indium clusters. Acta Crystallographica Section C: Crystal Structure Communications, 2002, 58, i50-i52.	0.4	13
113	GaN single crystal growth using high-purity Na as a flux. Journal of Crystal Growth, 2002, 242, 70-76.	0.7	72
114	Growth of 5 mm GaN Single Crystals at 750 Â°C from an Naâ^'Ga Melt. Crystal Growth and Design, 2001, 1, 119-122.	1.4	34
115	Growth Conditions and Morphology of GaN Single Crystals Fabricated by the Na Flux Method.. Journal of the Ceramic Society of Japan, 2001, 109, 858-862.	1.3	9
116	Growth of GaN single crystals from a Naâ€“Ga melt at 750Â°C and 5MPa of N2. Journal of Crystal Growth, 2000, 218, 7-12.	0.7	68
117	Crystal Growth of GaN from Na-Ga Melt in BN Containers.. Journal of the Ceramic Society of Japan, 1999, 107, 925-929.	1.3	13
118	Morphology and characterization of GaN single crystals grown in a Na flux. Journal of Crystal Growth, 1998, 186, 8-12.	0.7	125
119	CaO-Y₂O₃-SiO₂ Oxides Prepared at 1700K in Air. Journal of the Ceramic Society of Japan, 1998, 106, 1238-1241.	1.3	14
120	Preparation of GaN Single Crystals Using a Na Flux. Chemistry of Materials, 1997, 9, 413-416.	3.2	270
121	Preparation and crystal structure of a new barium silicon nitride, Ba5Si2N6. Journal of Alloys and Compounds, 1996, 240, 33-36.	2.8	102
122	A barium germanium nitride, Ba3Ge2N2, containingx1 | Ge2â^' and GeN24â^' anions. Journal of Alloys and Compounds, 1996, 241, 69-74.	2.8	44
123	High- and low-temperature phases of lithium boron nitride, Li3BN2: Preparation, phase relation, crystal structure, and ionic conductivity. Journal of Solid State Chemistry, 1987, 71, 1-11.	1.4	104
124	Structure of a new polymorph of lithium boron nitride, Li3BN2. Journal of Solid State Chemistry, 1986, 65, 6-12.	1.4	65
125	Electronic structure and optical properties of NaSi. Japanese Journal of Applied Physics, 0, , .	0.8	1