

# Kunio Yubuta

## List of Publications by Year in descending order

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300  
papers

7,354  
citations

66343

42  
h-index

88630

70  
g-index

308  
all docs

308  
docs citations

308  
times ranked

6839  
citing authors

#	ARTICLE	IF	CITATIONS
1	Critical Behavior of the Magnetization in Heusler Alloy $\text{Co}_{1-x}\text{Ti}_x\text{Ga}_{1-y}\text{Sn}_y$ . IEEE Transactions on Magnetics, 2022, 58, 1-4.	2.1	0
2	Redetermination of the crystal structures of rare-earth trirhodium diboride $\text{RE}_3\text{Rh}_3\text{B}_2$ ( $\text{RE} = \text{Pr}, \text{Nd}$ and $\text{Sm}$ ) from single-crystal X-ray data. Acta Crystallographica Section E: Crystallographic Communications, 2022, 78, 76-79.	0.5	2
3	Detoxifying SARS-CoV-2 antiviral drugs from model and real wastewaters by industrial waste-derived multiphase photocatalysts. Journal of Hazardous Materials, 2022, 429, 128300.	12.4	16
4	Elucidating the enhanced photoelectrochemical performance of zinc-blende ZnS/wurtzite ZnO heterojunction and adsorption of water molecules by molecular dynamics simulations. Materials Science in Semiconductor Processing, 2022, 142, 106494.	4.0	8
5	Eliciting the contribution of TiN to photoelectrochemical performance enhancement of Imma-LaTiO <sub>2</sub> N at neutral pH. Materials Today Energy, 2022, 27, 101053.	4.7	5
6	HPT production of large bulk skutterudites. Journal of Alloys and Compounds, 2021, 854, 156678.	5.5	12
7	Influence of shear strain on HPT-processed n-type skutterudites yielding ZT=2.1. Journal of Alloys and Compounds, 2021, 855, 157409.	5.5	17
8	Spinifex-like textured metaperidotites from the Higo Metamorphic Rocks, Japan, a possible high-pressure dehydration product of antigorite serpentinite. Island Arc, 2021, 30, e12382.	1.1	2
9	Demonstration of ultrahigh thermoelectric efficiency of $\sim 147.3\%$ in $\text{Mg}_3\text{Sb}_2/\text{MgAgSb}$ module for low-temperature energy harvesting. Joule, 2021, 5, 1196-1208.	24.0	205
10	Incommensurately modulated crystal structure of $\text{R}_2\text{O}_2$ -type sodium cobalt oxide $\text{Na}_x\text{Co}_2\text{O}_{2+x}$ ( $x \sim 0.78$ ). Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2021, 77, 371-377.	1.1	0
11	$\text{Nb}_6\text{Mn}_4\text{B}_8$ ( $x = 0.25$ ): A Ferrimagnetic Boride Containing Planar B <sub>6</sub> Rings Interacting with Ferromagnetic Mn Chains. Journal of Physical Chemistry C, 2021, 125, 13635-13640.	3.1	1
12	Electronic structure of a borophene layer in rare-earth aluminum/chromium boride and its hydrogenated derivative borophane. Physical Review Materials, 2021, 5, .	2.4	13
13	Time-Retrenched Synthesis of $\text{BaTaO}_2\text{N}$ by Localizing an $\text{NH}_3$ Delivery System for Visible-Light-Driven Photoelectrochemical Water Oxidation at Neutral pH: Solid-State Reaction or Flux Method?. ACS Applied Energy Materials, 2021, 4, 9315-9327.	5.1	11
14	Local structure investigations of Sn and Mn doped in $\text{I}^2\text{-Ga}_2\text{O}_3$ by X-ray absorption spectroscopy. Journal of Crystal Growth, 2021, 570, 126223.	1.5	6
15	Structure and properties of nanoporous FePt fabricated by dealloying a melt-spun $\text{Fe}_{60}\text{Pt}_{20}\text{B}_{20}$ alloy and subsequent annealing. Journal of Materials Science and Technology, 2020, 36, 128-133.	10.7	20
16	Ordering kinetics of nanoporous FeCo during liquid metal dealloying and the development of nanofacets. Scripta Materialia, 2020, 177, 38-43.	5.2	15
17	Optimization of the structure and soft magnetic properties of a $\text{Fe}_{87}\text{B}_{13}$ nanocrystalline alloy by additions of Cu and Nb. Journal of Magnetism and Magnetic Materials, 2020, 497, 166001.	2.3	13
18	Nanostructured core-shell metal borides/oxides as highly efficient electrocatalysts for photoelectrochemical water oxidation. Nanoscale, 2020, 12, 3121-3128.	5.6	29

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19	Fabrication of Single-Crystalline BaTaO <sub>2</sub> N from Chloride Fluxes for Photocatalytic H <sub>2</sub> Evolution under Visible Light. <i>Crystal Growth and Design</i> , 2020, 20, 255-261.	3.0	32
20	Prismatic Ta <sub>3</sub> N <sub>5</sub> -composed spheres produced by self-sacrificial template-like conversion of Ta particles via Na <sub>2</sub> CO <sub>3</sub> flux. <i>CrystEngComm</i> , 2020, 22, 5122-5129.	2.6	2
21	Growth of dispersed hydroxyapatite crystals highly intertwined with TEMPO-oxidized cellulose nanofiber. <i>CrystEngComm</i> , 2020, 22, 4933-4941.	2.6	4
22	Platy BaTaO <sub>2</sub> N Crystals Fabricated from K <sub>2</sub> CO <sub>3</sub> KCl Binary Flux for Photocatalytic H <sub>2</sub> Evolution. <i>ACS Applied Energy Materials</i> , 2020, 3, 10669-10675.	5.1	15
23	Flux Growth of Single-Crystalline Hollandite-Type Potassium Ferrotitanate Microrods From KCl Flux. <i>Frontiers in Chemistry</i> , 2020, 8, 714.	3.6	3
24	Nanostructure with diffuse streaks in ScRh <sub>3</sub> B <sub>0.6</sub> compound studied by electron microscopy. <i>Solid State Sciences</i> , 2020, 102, 106177.	3.2	1
25	Topological Dirac nodal loops in nonsymmorphic hydrogenated monolayer boron. <i>Physical Review B</i> , 2020, 101, .	3.2	19
26	Fabrication of plate-like Ta <sub>3</sub> N <sub>5</sub> crystals through evaporation-deposition-re-evaporation of alkali halide fluxes onto tantalum substrates. <i>CrystEngComm</i> , 2020, 22, 5723-5730.	2.6	0
27	Effective photocatalytic removal of selected pharmaceuticals and personal care products by elmoreite/tungsten oxide@ZnS photocatalyst. <i>Journal of Environmental Management</i> , 2020, 270, 110870.	7.8	24
28	SnO <sub>2</sub> @ZnS photocatalyst with enhanced photocatalytic activity for the degradation of selected pharmaceuticals and personal care products in model wastewater. <i>Journal of Alloys and Compounds</i> , 2020, 827, 154339.	5.5	64
29	Novel g-C <sub>3</sub> N <sub>4</sub> nanosheets/CDs/BiOCl photocatalysts with exceptional activity under visible light. <i>Journal of the American Ceramic Society</i> , 2019, 102, 1435-1453.	3.8	81
30	Alkali Metal Chloride Flux Growth of Ilmenite-Type ZnTiO <sub>3</sub> and Subsequent Nitrogen Doping for Visible-Light-Driven Water Oxidation Catalysis. <i>ACS Applied Energy Materials</i> , 2019, 2, 7762-7771.	5.1	10
31	Crystal Growth and some Properties of Tm(Al <sub>1-x</sub> Mo <sub>x</sub> )B <sub>4</sub> Synthesized by Al-Flux. <i>Solid State Phenomena</i> , 2019, 289, 65-70.	0.3	1
32	High-ZT half-Heusler thermoelectrics, Ti <sub>0.5</sub> Zr <sub>0.5</sub> NiSn and Ti <sub>0.5</sub> Zr <sub>0.5</sub> NiSn <sub>0.98</sub> Sb <sub>0.02</sub> : Physical properties at low temperatures. <i>Acta Materialia</i> , 2019, 166, 466-483.	7.9	31
33	Crystal Growth and Physical Properties of Lu(Al <sub>1-x</sub> T <sub>x</sub> )B <sub>4</sub> (T = Fe, Cr) by Al-Self Flux. <i>Solid State Phenomena</i> , 2019, 289, 120-126.	0.3	3
34	A trial for distinguish of Mn <sup>3+</sup> and Mn <sup>4+</sup> ions in LiMn <sub>2</sub> O <sub>4</sub> by anomalous powder x-ray diffraction with focused beam flat sample method. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	1
35	Synergistic effect of g-C <sub>3</sub> N <sub>4</sub> , Ni(OH) <sub>2</sub> and halloysite in nanocomposite photocatalyst on efficient photocatalytic hydrogen generation. <i>Renewable Energy</i> , 2019, 138, 434-444.	8.9	40
36	Critically Percolated States in High-Entropy Alloys with Exact Equi-Atomicity. <i>Materials Transactions</i> , 2019, 60, 330-337.	1.2	11

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37	Scintillation properties of Y-Admixed Gd <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> scintillator. <i>Radiation Measurements</i> , 2019, 126, 106123.	1.4	1
38	Growth of Millimeter-sized Platy Single Crystals of NaTaO <sub>3</sub> from Na <sub>2</sub> MoO <sub>4</sub> Flux. <i>Crystal Growth and Design</i> , 2019, 19, 3607-3611.	3.0	6
39	Septenary Zr-Hf-Ti-Al-Co-Ni-Cu high-entropy bulk metallic glasses with centimeter-scale glass-forming ability. <i>Materialia</i> , 2019, 7, 100372.	2.7	32
40	Construction of Spatial Charge Separation Facets on BaTaO <sub>2</sub> N Crystals by Flux Growth Approach for Visible-Light-Driven H <sub>2</sub> Production. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 22264-22271.	8.0	51
41	Sustainable and simple processing technique for n-type skutterudites with high ZT and their analysis. <i>Acta Materialia</i> , 2019, 173, 9-19.	7.9	22
42	Oxygen-rich TiO <sub>2</sub> decorated with C-Dots: Highly efficient visible-light-responsive photocatalysts in degradations of different contaminants. <i>Advanced Powder Technology</i> , 2019, 30, 1183-1196.	4.1	39
43	ZnS-containing industrial waste: Antibacterial activity and effects of thermal treatment temperature and atmosphere on photocatalytic activity. <i>Journal of Alloys and Compounds</i> , 2019, 791, 971-982.	5.5	15
44	Abundant Vanadium Diboride with Graphene-like Boron layers for Hydrogen Evolution. <i>ACS Applied Energy Materials</i> , 2019, 2, 176-181.	5.1	35
45	Facet effect on the photoelectrochemical performance of a WO <sub>3</sub> /BiVO <sub>4</sub> heterojunction photoanode. <i>Applied Catalysis B: Environmental</i> , 2019, 245, 227-239.	20.2	141
46	Nanoporous L10-FePt with high coercivity. <i>Scripta Materialia</i> , 2019, 162, 5-8.	5.2	0
47	Fabrication of TiO <sub>2</sub> /CoMoO <sub>4</sub> /PANI nanocomposites with enhanced photocatalytic performances for removal of organic and inorganic pollutants under visible light. <i>Materials Chemistry and Physics</i> , 2019, 224, 10-21.	4.0	63
48	Amorphous Fe <sub>2</sub> O <sub>3</sub> nanoparticles embedded into hypercrosslinked porous polymeric matrix for designing an easily separable and recyclable photocatalytic system. <i>Applied Surface Science</i> , 2019, 466, 837-846.	6.1	24
49	Syntheses and Properties of Yb(Al <sub>x</sub> T <sub>x</sub> ) <sub>4</sub> (x = Cr, Tj ETQq1 1 0.784314 rgBT 0.2 2 <i>Metallurgy</i> , 2019, 66, 525-529.		
50	A Simple, General Synthetic Route toward Nanoscale Transition Metal Borides. <i>Advanced Materials</i> , 2018, 30, e1704181.	21.0	101
51	Thin and Dense Solid-solid Heterojunction Formation Promoted by Crystal Growth in Flux on a Substrate. <i>Scientific Reports</i> , 2018, 8, 96.	3.3	3
52	Pressure effect on the magnetic properties of the half-metallic Heusler alloy $\text{Co}_{1-x}\text{Mn}_x$ . <i>Physical Review B</i> , 2018, 97, .	3.2	27
53	Partially-devitrified icosahedral quasicrystalline phase in Ti <sub>33.33</sub> Zr <sub>33.33</sub> Hf <sub>13.33</sub> Ni <sub>20</sub> and Zr <sub>30</sub> Hf <sub>30</sub> Ni <sub>15</sub> Cu <sub>10</sub> Ti <sub>15</sub> amorphous alloys with near equi-atomic compositions. <i>Materials Chemistry and Physics</i> , 2018, 210, 245-250.	4.0	7
54	Synthesis and visible-light-induced sacrificial photocatalytic water oxidation of quinary oxynitride BaNb <sub>0.5</sub> Ta <sub>0.5</sub> O <sub>2</sub> N crystals. <i>Journal of Energy Chemistry</i> , 2018, 27, 1415-1421.	12.9	18

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55	Growth of {100}-faceted NaFeTiO <sub>4</sub> crystals with a tunable aspect ratio from a NaCl–Na <sub>2</sub> SO <sub>4</sub> binary flux. CrystEngComm, 2018, 20, 873-878.	2.6	7
56	Temperature dependence of differential conductance in Co-based Heusler alloy Co <sub>2</sub> TiSn and superconductor Pb junctions. Physica B: Condensed Matter, 2018, 536, 289-292.	2.7	3
57	One-Dimensional Growth of Li <sub>2</sub> NiPO <sub>4</sub> F Single Crystals from Intermediate LiNiPO <sub>4</sub> Crystal Surface Using KCl–KI Fluxes. Crystal Growth and Design, 2018, 18, 6777-6785.	3.0	11
58	Nanoporous magnesium. Nano Research, 2018, 11, 6428-6435.	10.4	46
59	Flux-Mediated Topochemical Growth of Platelet-Shaped Perovskite LiNbO <sub>3</sub> Single Crystals from Layered Potassium Niobate Crystals. Crystal Growth and Design, 2018, 18, 4111-4116.	3.0	3
60	Temperature-dependent local atomic structures in the traditional Fe <sub>65</sub> Ni <sub>35</sub> Invar alloy by X-ray fluorescence holography. Surface and Interface Analysis, 2018, 50, 790-794.	1.8	9
61	Binary flux-promoted formation of trigonal ZnIn <sub>2</sub> S <sub>4</sub> layered crystals using ZnS-containing industrial waste and their photocatalytic performance for H <sub>2</sub> production. Green Chemistry, 2018, 20, 3845-3856.	9.0	38
62	Chloride Flux Growth of Idiomorphic AWO <sub>4</sub> (A = Sr, Ba) Single Microcrystals. Crystal Growth and Design, 2018, 18, 5301-5310.	3.0	8
63	Reduced graphene oxide-modified Bi <sub>2</sub> WO <sub>6</sub> /BiOI composite for the effective photocatalytic removal of organic pollutants and molecular modeling of adsorption. Journal of Molecular Liquids, 2018, 268, 715-727.	4.9	34
64	Integration of carbon dots and polyaniline with TiO <sub>2</sub> nanoparticles: Substantially enhanced photocatalytic activity to removal various pollutants under visible light. Journal of Photochemistry and Photobiology A: Chemistry, 2018, 367, 94-104.	3.9	76
65	Effects of Alkali Cations and Sulfate/Chloride Anions on the Flux Growth of {001}-Faceted Li <sub>2</sub> TiO <sub>3</sub> Crystals. Crystal Growth and Design, 2017, 17, 1118-1124.	3.0	17
66	Application of Flux Method to the Fabrication of Ba <sub>5</sub> Ta <sub>4</sub> O <sub>15</sub> , Sr <sub>5</sub> Ta <sub>4</sub> O <sub>15</sub> , Sr <sub>2</sub> Ta <sub>2</sub> O <sub>7</sub> , and BaTaO <sub>2</sub> N Polycrystalline Films on Ta Substrates. Crystal Growth and Design, 2017, 17, 1583-1588.	3.0	21
67	Fabrication and electrocatalytic properties of ferromagnetic nanoporous PtFe by dealloying an amorphous Fe 60 Pt 10 B 30 alloy. Journal of Alloys and Compounds, 2017, 706, 215-219.	5.5	16
68	Understanding the effect of partial N <sup>3+</sup> -to-O <sup>2+</sup> substitution and H <sup>+</sup> -to-K <sup>+</sup> exchange on photocatalytic water reduction activity of Ruddlesden–Popper layered perovskite KLaTiO <sub>4</sub> . Molecular Catalysis, 2017, 432, 250-258.	2.0	22
69	Perovskite Sr <sub>1-x</sub> Ba <sub>x</sub> W <sub>1-y</sub> Ta <sub>y</sub> (O,N) <sub>3</sub> : synthesis by thermal ammonolysis and photocatalytic oxygen evolution under visible light. Materials for Renewable and Sustainable Energy, 2017, 6, 1.	3.6	11
70	NH <sub>3</sub> -assisted chloride flux-coating method for direct fabrication of visible-light-responsive SrNbO <sub>2</sub> N crystal layers. CrystEngComm, 2017, 19, 5532-5541.	2.6	25
71	Engaging the flux-grown La <sub>1-x</sub> Sr <sub>x</sub> Fe <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> crystals in visible-light-driven photocatalytic hydrogen generation. International Journal of Hydrogen Energy, 2017, 42, 27024-27033.	7.1	14
72	Multiple-wavelength neutron holography with pulsed neutrons. Science Advances, 2017, 3, e1700294.	10.3	22

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73	Elucidating the impact of A-site cation change on photocatalytic H <sub>2</sub> and O <sub>2</sub> evolution activities of perovskite-type LnTaO <sub>N</sub> (Ln = La and Pr). <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 22210-22220.	2.8	44
74	Thermal conductivity of PrRh <sub>4</sub> B <sub>2</sub> , a layered boride compound. <i>APL Materials</i> , 2017, 5, 126103.	5.1	28
75	Protonated Oxide, Nitrided, and Reoxidized K <sub>2</sub> La <sub>2</sub> Ti <sub>3</sub> O <sub>10</sub> Crystals: Visible-Light-Induced Photocatalytic Water Oxidation and Fabrication of Their Nanosheets. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 232-240.	6.7	34
76	Magnetization and Spin Polarization of Heusler Alloys Co <sub>2</sub> TiSn and Co <sub>2</sub> TiGa <sub>0.5</sub> Sn <sub>0.5</sub> . <i>IEEE Magnetics Letters</i> , 2017, 8, 1-4.	1.1	4
77	Crystal Structure and Thermoelectric Properties of Lightly Vanadium-Substituted Higher Manganese	2.2	28
78	Thermal deformation effects on thermoelectric properties for Bi <sub>0.82</sub> Sb <sub>0.18</sub> alloys. <i>Journal of Alloys and Compounds</i> , 2017, 692, 563-568.	5.5	6
79	Unexpected Trend Deviation in Isoelectronic Transition Metal Borides <i>A</i> <sub>3</sub> <i>T</i> <sub>5</sub> B <sub>2</sub> (<i>A</i> = group 4, <i>T</i> = group 9): Ti <sub>3</sub> Co <sub>5</sub> B <sub>2</sub> vs. Perovskite-Type Studied by Experiments and DFT Calculations. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 1551-1556.	1.2	7
80	The cross-substitution effect of tantalum on the visible-light-driven water oxidation activity of BaNbO <sub>2</sub> N crystals grown directly by an NH <sub>3</sub> -assisted flux method. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12807-12817.	10.3	50
81	High-Entropy Alloys Including 3d, 4d and 5d Transition Metals from the Same Group in the Periodic Table. <i>Materials Transactions</i> , 2016, 57, 1197-1201.	1.2	7
82	Molybdate flux growth of idiomorphic Li(Ni <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> )O <sub>2</sub> single crystals and characterization of their capabilities as cathode materials for lithium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7289-7296.	10.3	76
83	Evolution of a bicontinuous nanostructure via a solid-state interfacial dealloying reaction. <i>Scripta Materialia</i> , 2016, 118, 33-36.	5.2	46
84	Two-step synthesis and visible-light-driven photocatalytic water oxidation activity of AW(O,N) <sub>3</sub> (A= Sr, Tj) <small>ETQq0 0 0, rgBT / Overlock 10</small>	6.2	31
85	Exceptional Flux Growth and Chemical Transformation of Metastable Orthorhombic LiMnO <sub>2</sub> Cuboids into Hierarchically-Structured Porous H <sub>1.6</sub> Mn <sub>1.6</sub> O <sub>4</sub> Rods as Li Ion Sieves. <i>Crystal Growth and Design</i> , 2016, 16, 6178-6185.	3.0	17
86	Facile growth of centimeter-order, highly crystalline ZnWO <sub>4</sub> single crystals by the flux evaporation technique using molten NaCl. <i>CrystEngComm</i> , 2016, 18, 8608-8613.	2.6	4
87	The contrasting effect of the Ta/Nb ratio in (111)-layered B-site deficient hexagonal perovskite Ba <sub>5</sub> Nb <sub>4</sub> Ta <sub>x</sub> O <sub>15</sub> crystals on visible-light-induced photocatalytic water oxidation activity of their oxynitride derivatives. <i>Dalton Transactions</i> , 2016, 45, 12559-12568.	3.3	24
88	Elastic Properties of As-Solidified Ti-Zr Binary Alloys for Biomedical Applications. <i>Materials Transactions</i> , 2016, 57, 1986-1992.	1.2	23
89	Facile Morphological Modification of Ba <sub>5</sub> Nb <sub>4</sub> O <sub>15</sub> Crystals Using Chloride Flux and in Situ Growth Investigation. <i>Crystal Growth and Design</i> , 2016, 16, 3954-3960.	3.0	16
90	Flux-Boosted Sulfide Crystal Growth: Growth of CuInS <sub>2</sub> Crystals by NaCl-InCl <sub>3</sub> Evaporation. <i>Crystal Growth and Design</i> , 2016, 16, 1195-1199.	3.0	8



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91	The crystal structures of m,o-Ce <sub>3</sub> Pt <sub>4</sub> Sn <sub>6</sub> and Ce <sub>1-x</sub> Pt <sub>6</sub> Al <sub>13+2x</sub> . Solid State Sciences, 2016, 55, 48-57.	3.2	3
92	New Dionâ€“Jacobson Phase Three-Layer Perovskite CsBa <sub>2</sub> Ta <sub>3</sub> O <sub>10</sub> and Its Conversion to Nitrided Ba <sub>2</sub> Ta <sub>3</sub> O <sub>10</sub> Nanosheets via a Nitridationâ€“Protonationâ€“Intercalationâ€“Exfoliation Route for Water Splitting. Crystal Growth and Design, 2016, 16, 2302-2308.	3.0	47
93	Three-dimensional bicontinuous porous graphite generated in low temperature metallic liquid. Carbon, 2016, 96, 403-410.	10.3	56
94	Amount of tungsten dopant influencing the photocatalytic water oxidation activity of LaTiO <sub>2</sub> N crystals grown directly by an NH <sub>3</sub> -assisted flux method. Catalysis Science and Technology, 2016, 6, 5389-5396.	4.1	25
95	Dual HCP structures formed in senary ScYLaTiZrHf multi-principal-element alloy. Intermetallics, 2016, 69, 103-109.	3.9	46
96	KCl flux-induced growth of isometric crystals of cadmium-containing early transition-metal (Ti <sup>4+</sup> , Tj ETQq 0 0 0 rgBT /Overlock 10 Tf 50 atmosphere for water splitting application. Applied Catalysis B: Environmental, 2016, 182, 626-635.	20.2	30
97	Ordered Arrangement of Co and Ni Atoms of an Al-Co-Ni Crystalline Approximant by Atomic-resolution Energy-dispersive X-ray Spectroscopy. Materia Japan, 2016, 55, 605-605.	0.1	0
98	Crystal Structure Analysis of an Al-Co-Ni Crystalline Approximant by Cs-corrected Scanning Transmission Electron Microscopy. Materia Japan, 2016, 55, 606-606.	0.1	0
99	Luminescence properties of Pr-doped (La,Gd) <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> grown by the floating zone method. Japanese Journal of Applied Physics, 2015, 54, 052401.	1.5	7
100	Chloride Flux Growth of La <sub>2</sub> Ti <sub>5</sub> O <sub>7</sub> Crystals and Nontopotactic Solid-State Transformation to LaTiO <sub>2</sub> N Crystals by Nitridation Using NH <sub>3</sub> . Crystal Growth and Design, 2015, 15, 333-339.	3.0	46
101	Chloride Flux Growth of La <sub>2</sub> Ti <sub>2</sub> O <sub>7</sub> Crystals and Subsequent Nitridation To Form LaTiO <sub>2</sub> N Crystals. Crystal Growth and Design, 2015, 15, 124-128.	3.0	27
102	Luminescence study on Eu or Tb doped lanthanumâ€“gadolinium pyrosilicate crystal. Optical Materials, 2015, 41, 80-83.	3.6	2
103	Scintillation properties of a La, Lu-admix gadolinium pyrosilicate crystal. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 784, 115-118.	1.6	3
104	Scintillation properties of Ce:(La,Gd) <sub>2</sub> Si <sub>2</sub> O <sub>7</sub> at high temperatures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 772, 72-75.	1.6	28
105	NH <sub>3</sub> -Assisted Flux Growth of Cube-like BaTaO <sub>2</sub> N Submicron Crystals in a Completely Ionized Nonaqueous High-Temperature Solution and Their Water Splitting Activity. Crystal Growth and Design, 2015, 15, 4663-4671.	3.0	95
106	NH <sub>3</sub> -Assisted Flux-Mediated Direct Growth of LaTiO <sub>2</sub> N Crystallites for Visible-Light-Induced Water Splitting. Journal of Physical Chemistry C, 2015, 119, 15896-15904.	3.1	55
107	The structure of an Alâ€“Rhâ€“Cu decagonal quasicrystal studied by spherical aberration (Cs)-corrected scanning transmission electron microscopy. Philosophical Magazine, 2015, 95, 1524-1535.	1.6	10
108	In-doped multifilled n-type skutterudites with ZT= 1.8. Acta Materialia, 2015, 95, 201-211.	7.9	146

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109	Alloy design for high-entropy alloys based on Pettifor map for binary compounds with 1:1 stoichiometry. <i>Intermetallics</i> , 2015, 66, 56-66.	3.9	17
110	Optimizing niobium dealloying with metallic melt to fabricate porous structure for electrolytic capacitors. <i>Acta Materialia</i> , 2015, 84, 497-505.	7.9	72
111	Low-temperature growth of idiomorphic cubic-phase $\text{Li}_7\text{La}_3\text{Zr}_2\text{O}_{12}$ crystals using LiOH flux. <i>CrystEngComm</i> , 2015, 17, 3487-3492.	2.6	6
112	Fabrication of $\text{La}_2\text{Ti}_2\text{O}_7$ Crystals Using an Alkali-Metal Molybdate Flux Growth Method and Their Nitridability To Form $\text{LaTiO}_2\text{N}$ Crystals under a High-Temperature $\text{NH}_3$ Atmosphere. <i>Inorganic Chemistry</i> , 2015, 54, 3237-3244.	4.0	41
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