Kunio Yubuta

List of Publications by Year
in descending order

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	High-Entropy Alloys with a Hexagonal Close-Packed Structure Designed by Equi-Atomic Alloy Strategy and Binary Phase Diagrams. Jom, 2014, 66, 1984-1992.	1.9	275
2	Bulk-Nanoporous-Silicon Negative Electrode with Extremely High Cyclability for Lithium-Ion Batteries Prepared Using a Top-Down Process. Nano Letters, 2014, 14, 4505-4510.	9.1	208
3	Demonstration of ultrahigh thermoelectric efficiency of â^¼7.3% in Mg3Sb2/MgAgSb module for low-temperature energy harvesting. Joule, 2021, 5, 1196-1208.	24.0	205
4	FeSiBPCu Nanocrystalline Soft Magnetic Alloys with High <I>B</I>_s of 1.9 Tesla Produced by Crystallizing Hetero-Amorphous Phase. Materials Transactions, 2009, 50, 204-209.	1.2	201
5	Dealloying by metallic melt. Materials Letters, 2011, 65, 1076-1078.	2.6	193
6	Positron confinement in ultrafine embedded particles: Quantum-dot-like state in an Fe-Cu alloy. Physical Review B, 2000, 61, 6574-6578.	3.2	191
7	In-doped multifilled n-type skutterudites with ZT= 1.8. Acta Materialia, 2015, 95, 201-211.	7.9	146
8	New Fe-metalloids based nanocrystalline alloys with high Bs of 1.9T and excellent magnetic softness. Journal of Applied Physics, 2009, 105, .	2.5	144
9	Facet effect on the photoelectrochemical performance of a WO3/BiVO4 heterojunction photoanode. Applied Catalysis B: Environmental, 2019, 245, 227-239.	20.2	141
10	Modulated crystal structure of chimney-ladder higher manganese silicides<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>MnSi</mml:mtext></mml:mrow><mml:mi>Î³</mml:mi></mml:ms xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>Î³</mml:mi><mml:mo>â^¼</mml:mo><mml:r Physical Review B, 2008, 78, .	3.2	133
11	Low core losses and magnetic properties of Fe85-86Si1-2B8P4Cu1 nanocrystalline alloys with high <i>B</i> for power applications (invited). Journal of Applied Physics, 2011, 109, .	2.5	132
12	New Excellent Soft Magnetic FeSiBPCu Nanocrystallized Alloys With High B_{s} of 1.9 T From Nanohetero-Amorphous Phase. IEEE Transactions on Magnetics, 2009, 45, 4302-4305.	2.1	118
13	A Simple, General Synthetic Route toward Nanoscale Transition Metal Borides. Advanced Materials, 2018, 30, e1704181.	21.0	101
14	Entropies in Alloy Design for High-Entropy and Bulk Glassy Alloys. Entropy, 2013, 15, 3810-3821.	2.2	100
15	NH₃-Assisted Flux Growth of Cube-like BaTaO₂N 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
16	Characterization of β′ Precipitate Phase in Mg-2 at%Y Alloy Aged to Peak Hardness Condition by High-Angle Annular Detector Dark-Field Scanning Transmission Electron Microscopy (HAADF-STEM). Materials Transactions, 2007, 48, 84-87.	1.2	93
17	Nano- to submicro-porous Î²-Ti alloy prepared from dealloying in a metallic melt. Scripta Materialia, 2011, 65, 532-535.	5.2	93
18	Novel gâ€C₃N₄ nanosheets/CDs/BiOCl photocatalysts with exceptional activity under visible light. Journal of the American Ceramic Society, 2019, 102, 1435-1453.	3.8	81

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19	Molybdate flux growth of idiomorphic Li(Ni_{1/3}Co_{1/3}Mn_{1/3})O₂ single crystals and characterization of their capabilities as cathode materials for lithium-ion batteries. Journal of Materials Chemistry A, 2016, 4, 7289-7296.	10.3	76
20	Integration of carbon dots and polyaniline with TiO2 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
21	Optimizing niobium dealloying with metallic melt to fabricate porous structure for electrolytic capacitors. Acta Materialia, 2015, 84, 497-505.	7.9	72
22	Soft magnetic FeSiBPCu heteroamorphous alloys with high Fe content. Journal of Applied Physics, 2009, 105, .	2.5	71
23	The effect of Cu on the plasticity of Feâ€“Siâ€“Bâ€“P-based bulk metallic glass. Scripta Materialia, 2009, 60, 277-280.	5.2	69
24	Well-Formed One-Dimensional Hydroxyapatite Crystals Grown by an Environmentally Friendly Flux Method. Crystal Growth and Design, 2009, 9, 2937-2940.	3.0	65
25	SnO2@ZnS photocatalyst with enhanced photocatalytic activity for the degradation of selected pharmaceuticals and personal care products in model wastewater. Journal of Alloys and Compounds, 2020, 827, 154339.	5.5	64
26	Fabrication of TiO2/CoMoO4/PANI nanocomposites with enhanced photocatalytic performances for removal of organic and inorganic pollutants under visible light. Materials Chemistry and Physics, 2019, 224, 10-21.	4.0	63
27	Interactions of uranium with bacteria and kaolinite clay. Chemical Geology, 2005, 220, 237-243.	3.3	61
28	Flux Growth of Highly Crystalline NaYF₄:Ln (Ln = Yb, Er, Tm) Crystals with Upconversion Fluorescence. Crystal Growth and Design, 2011, 11, 995-999.	3.0	60
29	Environmentally Friendly Growth of Highly Crystalline Photocatalytic Na₂Ti₆O₁₃ Whiskers from a NaCl Flux. Crystal Growth and Design, 2008, 8, 465-469.	3.0	56
30	Three-dimensional bicontinuous porous graphite generated in low temperature metallic liquid. Carbon, 2016, 96, 403-410.	10.3	56
31	NH₃-Assisted Flux-Mediated Direct Growth of LaTiO₂N Crystallites for Visible-Light-Induced Water Splitting. Journal of Physical Chemistry C, 2015, 119, 15896-15904.	3.1	55
32	Excellent Thermal Stability and Bulk Glass Forming Ability of Fe-B-Nb-Y Soft Magnetic Metallic Glass. Materials Transactions, 2008, 49, 506-512.	1.2	52
33	Environmentally Friendly Growth of Well-Developed LiCoO₂ Crystals for Lithium-Ion Rechargeable Batteries Using a NaCl Flux. Crystal Growth and Design, 2010, 10, 4471-4475.	3.0	51
34	Construction of Spatial Charge Separation Facets on BaTaO₂N Crystals by Flux Growth Approach for Visible-Light-Driven H₂ Production. ACS Applied Materials & Interfaces, 2019, 11, 22264-22271.	8.0	51
35	The cross-substitution effect of tantalum on the visible-light-driven water oxidation activity of BaNbO₂N crystals grown directly by an NH₃-assisted flux method. Journal of Materials Chemistry A, 2016, 4, 12807-12817.	10.3	50
36	New Dionâ€“Jacobson Phase Three-Layer Perovskite CsBa₂Ta₃O₁₀ and Its Conversion to Nitrided Ba₂Ta₃O₁₀ Nanosheets via a Nitridationâ€“Protonationâ€“Intercalationâ€“Exfoliation Route for Water Splitting. Crystal Growth and Design, 2016, 16, 2302-2308.	3.0	47

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37	Effect of Cu and P on the Crystallization Behavior of Fe-Rich Hetero-Amorphous FeSiB Alloy. Materials Transactions, 2009, 50, 2515-2520.	1.2	46
38	Chloride Flux Growth of La₂TiO₅ Crystals and Nontopotactic Solid-State Transformation to LaTiO₂N Crystals by Nitridation Using NH₃. Crystal Growth and Design, 2015, 15, 333-339.	3.0	46
39	Evolution of a bicontinuous nanostructure via a solid-state interfacial dealloying reaction. Scripta Materialia, 2016, 118, 33-36.	5.2	46
40	Dual HCP structures formed in senary ScYLaTiZrHf multi-principal-element alloy. Intermetallics, 2016, 69, 103-109.	3.9	46
41	Nanoporous magnesium. Nano Research, 2018, 11, 6428-6435.	10.4	46
42	Influence of nanoprecipitation on strength of Cu60Zr30Ti10 glass containing Î¼m-ZrC particle reinforcements. Scripta Materialia, 2004, 51, 577-581.	5.2	45
43	Elucidating the impact of A-site cation change on photocatalytic H₂ and O₂ evolution activities of perovskite-type LnTaON₂ (Ln = La and Pr). Physical Chemistry Chemical Physics, 2017, 19, 22210-22220.	2.8	44
44	Effect of Cu on nanocrystallization and plastic properties of FeSiBPCu bulk metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2598-2602.	5.6	42
45	Enhanced Thermoelectric Performance of a Chimney-Ladder (Mn_{1-x}Cr_x)Si_{Î³} (Î³â^¼1.7) Solid Solution. Japanese Journal of Applied Physics, 2012, 51, 085801.	1.5	42
46	Current status of ductile tungsten alloy development by mechanical alloying. Journal of Nuclear Materials, 2004, 329-333, 775-779.	2.7	41
47	Fabrication of La₂Ti₂O₇ Crystals Using an Alkali-Metal Molybdate Flux Growth Method and Their Nitridability To Form LaTiO₂N Crystals under a High-Temperature NH₃ Atmosphere. Inorganic Chemistry, 2015, 54, 3237-3244.	4.0	41
48	Fabrication of LiCoO₂ Crystal Layers Using a Flux Method and Their Application for Additive-Free Lithium-Ion Rechargeable Battery Cathodes. Crystal Growth and Design, 2014, 14, 1882-1887.	3.0	40
49	Synergistic effect of g-C3N4, Ni(OH)2 and halloysite in nanocomposite photocatalyst on efficient photocatalytic hydrogen generation. Renewable Energy, 2019, 138, 434-444.	8.9	40
50	Oxygen-rich TiO2 decorated with C-Dots: Highly efficient visible-light-responsive photocatalysts in degradations of different contaminants. Advanced Powder Technology, 2019, 30, 1183-1196.	4.1	39
51	Growth of Well-Developed Li₄Ti₅O₁₂ Crystals by the Cooling of a Sodium Chloride Flux. Crystal Growth and Design, 2011, 11, 4401-4405.	3.0	38
52	Binary flux-promoted formation of trigonal ZnIn₂S₄ layered crystals using ZnS-containing industrial waste and their photocatalytic performance for H₂ production. Green Chemistry, 2018, 20, 3845-3856.	9.0	38
53	Abundant Vanadium Diboride with Graphene-like Boron layers for Hydrogen Evolution. ACS Applied Energy Materials, 2019, 2, 176-181.	5.1	35
54	Highly Crystalline, Idiomorphic Na₂Ti₆O₁₃ Whiskers Grown from a NaCl Flux at a Relatively Low Temperature. European Journal of Inorganic Chemistry, 2010, 2010, 2936-2940.	2.0	34

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55	Unusual compressive plasticity of a centimeter-diameter Zr-based bulk metallic glass with high Zr content. Journal of Alloys and Compounds, 2010, 504, S2-S5.	5.5	34
56	Flux growth of Sr2Ta2O7 crystals and subsequent nitridation to form SrTaO2N crystals. CrystEngComm, 2013, 15, 8133.	2.6	34
57	Protonated Oxide, Nitrided, and Reoxidized K₂La₂Ti₃O₁₀ Crystals: Visible-Light-Induced Photocatalytic Water Oxidation and Fabrication of Their Nanosheets. ACS Sustainable Chemistry and Engineering, 2017, 5, 232-240.	6.7	34
58	Reduced graphene oxide-modified Bi2WO6/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
59	Growth of well-developed sodium tantalate crystals from a sodium chloride flux. CrystEngComm, 2010, 12, 2871.	2.6	33
60	Brittle metallic glass deforms plastically at room temperature in glassy multilayers. Physical Review B, 2009, 80, .	3.2	32
61	Al_{0.5}TiZrPdCuNi High-Entropy (H-E) Alloy Developed through Ti₂₀Zr₂₀Pd₂₀Cu₂₀Ni<sub>20</s H-E Glassy Alloy Comprising Inter-Transition Metals. Materials Transactions, 2013, 54, 776-782.	1.2	32
62	Thermal conductivity of layered borides: The effect of building defects on the thermal conductivity of TmAlB4 and the anisotropic thermal conductivity of AlB2. APL Materials, 2014, 2, .	5.1	32
63	Septenary Zrâ€“Hfâ€“Tiâ€“Alâ€“Coâ€“Niâ€“Cu high-entropy bulk metallic glasses with centimeter-scale glass-forming ability. Materialia, 2019, 7, 100372.	2.7	32
64	Fabrication of Single-Crystalline BaTaO₂N from Chloride Fluxes for Photocatalytic H₂ Evolution under Visible Light. Crystal Growth and Design, 2020, 20, 255-261.	3.0	32
65	Direct fabrication and nitridation of a high-quality NaTaO3 crystal layer onto a tantalum substrate. CrystEngComm, 2012, 14, 7178.	2.6	31
66	Thermal vacancy behavior analysis through thermal expansion, lattice parameter and elastic modulus measurements of B2-type FeAl. Acta Materialia, 2014, 64, 382-390.	7.9	31
67	Alloy Designs of High-Entropy Crystalline and Bulk Glassy Alloys by Evaluating Mixing Enthalpy and Delta Parameter for Quinary to Decimal Equi-Atomic Alloys. Materials Transactions, 2014, 55, 165-170.	1.2	31
68	Two-step synthesis and visible-light-driven photocatalytic water oxidation activity of AW(O,N)3 (A= Sr,) Tj ETQq0 0 0 rgBT /Overlock 10	6.2	31
69	High-ZT half-Heusler thermoelectrics, Ti0.5Zr0.5NiSn and Ti0.5Zr0.5NiSn0.98Sb0.02: Physical properties at low temperatures. Acta Materialia, 2019, 166, 466-483.	7.9	31
70	Preparation and Thermoelectric Properties of a Chimney-Ladder (Mn_{1-x}Fe_x)Si_{Î³} (Î³â^¼1.7) Solid Solution. Japanese Journal of Applied Physics, 2011, 50, 035804.	1.5	30
71	KCl flux-induced growth of isometric crystals of cadmium-containing early transition-metal (Ti 4+ ,) Tj ETQq1 1 0.784314 rgBT /Overlock atmosphere for water splitting application. Applied Catalysis B: Environmental, 2016, 182, 626-635.	20.2	30
72	In situ TEM observation of dislocation movement through the ultrafine obstacles in an Fe alloy. Journal of Nuclear Materials, 2002, 307-311, 946-950.	2.7	29

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73	Crystal growth and characterization of Ce:Gd3(Ga,Al)5O12 single crystal using floating zone method in different O2 partial pressure. Optical Materials, 2013, 35, 1882-1886.	3.6	29
74	Nanostructured coreâ€"shell metal boridesâ€"oxides as highly efficient electrocatalysts for photoelectrochemical water oxidation. Nanoscale, 2020, 12, 3121-3128.	5.6	29
75	Selective Growth of Calcium Molybdate Whiskers by Rapid Cooling of a Sodium Chloride Flux. Crystal Growth and Design, 2006, 6, 1598-1601.	3.0	28
76	Improvement of soft magnetic properties by simultaneous addition of P and Cu for nanocrystalline FeNbB alloys. Journal of Applied Physics, 2007, 101, 09N117.	2.5	28
77	Scintillation properties of Ce:(La,Gd)2Si2O7 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
78	Thermal conductivity of PrRh4.8B2, a layered boride compound. APL Materials, 2017, 5, 126103.	5.1	28
79	Crystal Structure and Thermoelectric Properties of Lightly Vanadium-Substituted Higher Manganese	2.2	28
80	Fabrication and photocatalytic performance of highly crystalline nanosheets derived from flux-grown KNb₃O₈crystals. CrystEngComm, 2012, 14, 987-992.	2.6	27
81	Chloride Flux Growth of La₂Ti₂O₇ Crystals and Subsequent Nitridation To Form LaTiO₂N Crystals. Crystal Growth and Design, 2015, 15, 124-128.	3.0	27
82	Pressure effect on the magnetic properties of the half-metallic Heusler alloy <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: Physical Review B, 2018, 97, .	3.2	27
83	Flux Growth and Characterization of Photocatalytic Na2Ti6O13Whiskers. Bulletin of the Chemical Society of Japan, 2006, 79, 1725-1728.	3.2	26
84	Preparation and Thermoelectric Properties of a Chimney-Ladder (Mn_{1-<i>x</i>}Fe_{<i>x</i>})Si_{Î³}(Î³â^¼1.7) Solid Solution. Japanese Journal of Applied Physics, 2011, 50, 035804.	1.5	26
85	Amount of tungsten dopant influencing the photocatalytic water oxidation activity of LaTiO₂N crystals grown directly by an NH₃-assisted flux method. Catalysis Science and Technology, 2016, 6, 5389-5396.	4.1	25
86	NH₃-assisted chloride flux-coating method for direct fabrication of visible-light-responsive SrNbO₂N crystal layers. CrystEngComm, 2017, 19, 5532-5541.	2.6	25
87	Transport properties of the layered Rh oxide K0.49RhO2. Journal of Physics Condensed Matter, 2010, 22, 115603.	1.8	24
88	The contrasting effect of the Ta/Nb ratio in (111)-layered B-site deficient hexagonal perovskite Ba₅Nb_{4â^'x}Ta_xO₁₅ crystals on visible-light-induced photocatalytic water oxidation activity of their oxynitride derivatives. Dalton Transactions, 2016, 45, 12559-12568.	3.3	24
89	Amorphous Fe2O3 nanoparticles embedded into hypercrosslinked porous polymeric matrix for designing an easily separable and recyclable photocatalytic system. Applied Surface Science, 2019, 466, 837-846.	6.1	24
90	Effective photocatalytic removal of selected pharmaceuticals and personal care products by elsmoreite/tungsten oxide@ZnS photocatalyst. Journal of Environmental Management, 2020, 270, 110870.	7.8	24

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91	Environmentally Friendly Growth of Layered K4Nb6O17 Crystals from a KCl Flux. European Journal of Inorganic Chemistry, 2007, 2007, 4687-4692.	2.0	23
92	Low-Temperature Flux Growth and Upconversion Fluorescence of the Idiomorphic Hexagonal-System NaYF4and NaYF4:Ln (Ln = Yb, Er, Tm) Crystals. Crystal Growth and Design, 2011, 11, 4825-4830.	3.0	23
93	Elastic Properties of As-Solidified Ti-Zr Binary Alloys for Biomedical Applications. Materials Transactions, 2016, 57, 1986-1992.	1.2	23
94	High-resolution electron microscopy of Alâ€“Niâ€“Fe decagonal quasicrystal. Journal of Materials Research, 1996, 11, 1702-1705.	2.6	22
95	Structure, Thermal Stability and Mechanical Properties of Zr₆₅Al_{7.5}Ni₁₀Cu_{17.5} Glassy Alloy Rod with a Diameter of 16 mm Produced by Tilt Casting. Materials Transactions, 2008, 49, 2141-2146.	1.2	22
96	Understanding the effect of partial N3âˆ’-to-O2âˆ’ substitution and H+-to-K+ exchange on photocatalytic water reduction activity of Ruddlesdenâ€“Popper layered perovskite KLaTiO4. Molecular Catalysis, 2017, 432, 250-258.	2.0	22
97	Multiple-wavelength neutron holography with pulsed neutrons. Science Advances, 2017, 3, e1700294.	10.3	22
98	Sustainable and simple processing technique for n-type skutterudites with high ZT and their analysis. Acta Materialia, 2019, 173, 9-19.	7.9	22
99	Morphologically Controlled Fibrous Spherulites of an Apatite Precursor Biocrystal. Crystal Growth and Design, 2009, 9, 650-652.	3.0	21
100	Application of Flux Method to the Fabrication of Ba₅Ta₄O₁₅, Sr₅Ta₄O₁₅, Sr₂Ta₂O₇, and BaTaO₂N Polycrystalline Films on Ta Substrates. Crystal Growth and Design, 2017, 17, 1583-1588.	3.0	21
101	Environmentally Friendly Growth of Calcium Chlorapatite Whiskers from a Sodium Chloride Flux. Crystal Growth and Design, 2006, 6, 2538-2542.	3.0	20
102	Direct observation of the microstructure in cluster glass compound U2IrSi3. Journal of Physics Condensed Matter, 2006, 18, 6109-6116.	1.8	20
103	Structural characterization of ZnO nano-chains studied by electron microscopy. Journal of Alloys and Compounds, 2007, 436, 396-399.	5.5	20
104	Growth of ultralong potassium titanate whiskers by the KCl flux method with metallic titanium materials. CrystEngComm, 2012, 14, 4176.	2.6	20
105	Flux growth of hexagonal cylindrical LiCoO₂crystals surrounded by Li-ion conducting preferential facets and their electrochemical properties studied by single-particle measurements. Journal of Materials Chemistry A, 2015, 3, 17016-17021.	10.3	20
106	Structure and properties of nanoporous FePt fabricated by dealloying a melt-spun Fe60Pt20B20 alloy and subsequent annealing. Journal of Materials Science and Technology, 2020, 36, 128-133.	10.7	20
107	Spin-glass behavior in CeCu2-type uranium compound U2AuGa3. Applied Physics Letters, 2005, 87, 142505.	3.3	19
108	Fe-Rich Soft Magnetic FeSiBPCu Hetero-Amorphous Alloys with High Saturation Magnetization. Materials Transactions, 2009, 50, 1330-1333.	1.2	19

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109	Topological Dirac nodal loops in nonsymmorphic hydrogenated monolayer boron. Physical Review B, 2020, 101, .	3.2	19
110	The crystal structure of a new crystalline phase in the Al-Pd-Cr alloy system, studied by high-resolution electron microscopy. The Philosophical Magazine: Physics of Condensed Matter B, Statistical Mechanics, Electronic, Optical and Magnetic Properties, 1995, 71, 71-80.	0.6	18
111	Highly crystalline niobium oxide converted from flux-grown K4Nb6O17 crystals. CrystEngComm, 2009, 11, 2326.	2.6	18
112	Formation, Thermal Stability and Mechanical Properties of Bulk Glassy Alloys with a Diameter of 20 mm in Zr-(Ti,Nb)-Al-Ni-Cu System. Materials Transactions, 2009, 50, 388-394.	1.2	18
113	Synthesis and visible-light-induced sacrificial photocatalytic water oxidation of quinary oxynitride BaNb0.5Ta0.5O2N crystals. Journal of Energy Chemistry, 2018, 27, 1415-1421.	12.9	18
114	Noncrystalline atomic arrangements computationally created from crystalline compound by treating groups of atoms as hypothetical clusters. Intermetallics, 2008, 16, 283-292.	3.9	17
115	High-Quality Ultralong Hydroxyapatite Nanowhiskers Grown Directly on Titanium Surfaces by Novel Low-Temperature Flux Coating Method. Crystal Growth and Design, 2012, 12, 4890-4896.	3.0	17
116	Alloy design for high-entropy alloys based on Pettifor map for binary compounds with 1:1 stoichiometry. Intermetallics, 2015, 66, 56-66.	3.9	17
117	Exceptional Flux Growth and Chemical Transformation of Metastable Orthorhombic LiMnO2 Cuboids into Hierarchically-Structured Porous H1.6Mn1.6O4 Rods as Li Ion Sieves. Crystal Growth and Design, 2016, 16, 6178-6185.	3.0	17
118	Effects of Alkali Cations and Sulfate/Chloride Anions on the Flux Growth of {001}-Faceted Î²-Li₂TiO₃ Crystals. Crystal Growth and Design, 2017, 17, 1118-1124.	3.0	17
119	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
120	Crystal Structure of Thermoelectric Compound [Bi1.79Sr1.98Oy]0.63[RhO2]. Japanese Journal of Applied Physics, 2005, 44, 8557-8561.	1.5	16
121	Boron nonstoichiometry, hardness and oxidation resistance of perovskite-type CeRh3Bx (x=0â€“1). Journal of Alloys and Compounds, 2006, 426, 304-307.	5.5	16
122	Synthesis of Feâ€“Ptâ€“B nanocomposite magnets with high coercivity by rapid solidification. Journal of Applied Physics, 2006, 99, 08E914.	2.5	16
123	Disorder-order transitions in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mtext>Na</mml:mtext></mml:mrow><mml:mi>x</mml:mi></mml:msub xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mo>(</mml:mo><mml:mrow><mml:mi>x</mml:mi><mml:mo>â^¼</mml:mo><mml Physical Review B, 2008, 78, .	3.2	16
124	Direct observation of the intergrown Î±-phase in Î²-TmAlB4 via high-resolution electron microscopy. Materials Research Bulletin, 2009, 44, 1743-1746.	5.2	16
125	Evaluation of glass-forming ability of binary metallic glasses with liquidus temperature, crystallographic data from binary phase diagrams and molecular dynamics simulations. Journal of Alloys and Compounds, 2009, 483, 102-106.	5.5	16
126	Improved plasticity of iron-based high-strength bulk metallic glasses by copper-induced nanocrystallization. Journal of Non-Crystalline Solids, 2011, 357, 3002-3005.	3.1	16

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127	Facile Morphological Modification of Ba₅Nb₄O₁₅ Crystals Using Chloride Flux and in Situ Growth Investigation. Crystal Growth and Design, 2016, 16, 3954-3960.	3.0	16
128	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
129	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
130	A new crystalline phase related to decagonal quasicrystals with non-central symmetry in Al-Co-Pd alloys. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1997, 75, 273-284.	0.6	15
131	Synthesis of zinc oxide fibers from precursor bis(acetylacetonato)zinc. Journal of Alloys and Compounds, 2007, 439, 227-231.	5.5	15
132	ZnS-containing industrial waste: Antibacterial activity and effects of thermal treatment temperature and atmosphere on photocatalytic activity. Journal of Alloys and Compounds, 2019, 791, 971-982.	5.5	15
133	Ordering kinetics of nanoporous FeCo during liquid metal dealloying and the development of nanofacets. Scripta Materialia, 2020, 177, 38-43.	5.2	15
134	Platy BaTaO₂N Crystals Fabricated from K₂CO₃â€“KCl Binary Flux for Photocatalytic H₂ Evolution. ACS Applied Energy Materials, 2020, 3, 10669-10675.	5.1	15
135	The Structure of an Al-Co-Ni Crystalline Approximant with an Ordered Arrangement of Atomic Clusters with Pentagonal Symmetry. Materials Transactions, 2001, 42, 897-900.	1.2	14
136	Crystal Structure of Misfit-Layered Compound [Bi1.94Ba1.83Oy]0.56[RhO2]. Japanese Journal of Applied Physics, 2006, 45, 179-185.	1.5	14
137	Phase transition ofMnF2driven by shock compression at pressure of up to33GPa. Physical Review B, 2007, 76, .	3.2	14
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