Junjie Li

List of Publications by Year in descending order

		87888	88630
187	6,318	38	70
papers	citations	h-index	g-index

191	191	191	6632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymorphic Pb14O8I12 and Pb7O4I6 oxyhalides featuring unprecedented [O8Pb14] clusters with broad IR transparency. Science China Materials, 2022, 65, 773-779.	6.3	7
2	Partial congener substitution induced centrosymmetric to noncentrosymmetric structural transformation and nonlinear optical properties of PbSnSiS4. Journal of Alloys and Compounds, 2022, 899, 163366.	5.5	5
3	Two new tellurite halides with cationic layers: syntheses, structures, and characterizations of CdPb₂Te₃O₈Cl₂ and Cd₁₃Pb₈Te₁₄O₄₂Cl₁₄. Inorganic Chemistry Frontiers, 2022, 9, 1023-1030.	6.0	9
4	Microstructure, mechanical properties, and cytotoxicity of low Youngâ€™s modulus Tiâ€“Nbâ€“Feâ€“Sn alloys. Journal of Materials Science, 2022, 57, 5634-5644.	3.7	6
5	Toward the Rational Design of Midâ€Infrared Nonlinear Optical Materials with Targeted Properties via a Multiâ€Level Dataâ€Driven Approach. Advanced Functional Materials, 2022, 32, .	14.9	58
6	Boosting acidic water oxidation performance by constructing arrays-like nanoporous IrxRu1â^'xO2 with abundant atomic steps. Nano Research, 2022, 15, 5933-5939.	10.4	25
7	Site-specific insertion of endonuclease recognition sites into amplicons to improve post-PCR analysis sensitivity of gene mutation. Biosensors and Bioelectronics, 2022, 208, 114191.	10.1	2
8	The Combination of Structure Prediction and Experiment for the Exploration of Alkaliâ€Earth Metalâ€Contained Chalcopyriteâ€Like IR Nonlinear Optical Material. Advanced Science, 2022, 9, e2106120.	11.2	44
9	An integrated fluorescence biosensor for microRNA detection based on exponential amplification reaction-triggered three-dimensional bipedal DNA walkers. Analytica Chimica Acta, 2021, 1143, 157-165.	5.4	28
10	microRNA-21, via the HIF-1Î±/VEGF signaling pathway, is involved in arsenite-induced hepatic fibrosis through aberrant cross-talk of hepatocytes and hepatic stellate cells. Chemosphere, 2021, 266, 129177.	8.2	39
11	LncRNA H19-mediated M2 polarization of macrophages promotes myofibroblast differentiation in pulmonary fibrosis induced by arsenic exposure. Environmental Pollution, 2021, 268, 115810.	7.5	44
12	Ba2BS3Cl and Ba5B2S8Cl2: First alkaline-earth metal thioborate halides with [BS3] units. Chemical Communications, 2021, 57, 6440-6443.	4.1	18
13	RbPb8O4Cl9: the first alkali metal lead oxyhalide with distorted [PbO3Cl3] and [PbOCl5] mixed-anion groups. Dalton Transactions, 2021, 50, 14038-14043.	3.3	4
14	A review on the recently developed promising infrared nonlinear optical materials. Dalton Transactions, 2021, 50, 3155-3160.	3.3	59
15	Synthesis, characterization and theoretical investigation of a new chalcohalide, Ba₄GaS₄F₃. Dalton Transactions, 2021, 50, 6315-6320.	3.3	9
16	Atomic-Step Enriched Rutheniumâ€“Iridium Nanocrystals Anchored Homogeneously on MOF-Derived Support for Efficient and Stable Oxygen Evolution in Acidic and Neutral Media. ACS Catalysis, 2021, 11, 3402-3413.	11.2	87
17	Na₆MQ₄ (M=Zn, Cd; Q=S, Se): Promising New Ternary Infrared Nonlinear Optical Materials. Chemistry - A European Journal, 2021, 27, 6538-6544.	3.3	16
18	An enzyme-powered, three-dimensional lame DNA walker. Biosensors and Bioelectronics, 2021, 177, 112981.	10.1	33

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19	The planar instability during unidirectional freezing of a macromolecular polymer solution: Diffusion-controlled or not?. Physica B: Condensed Matter, 2021, 610, 412923.	2.7	4
20	Quantitative determination of tip undercooling of faceted sea ice with in situ experiments. Journal of Physics Condensed Matter, 2021, 33, 36LT01.	1.8	3
21	Simulation-assisted investigation on the formation of layer bands and the microstructural evolution in directed energy deposition of Ti6Al4V blocks. Virtual and Physical Prototyping, 2021, 16, 387-403.	10.4	16
22	Evolutionary Generative Adversarial Networks with Crossover Based Knowledge Distillation. , 2021, , .		6
23	Hg₃P₂S₈: A New Promising Infrared Nonlinear Optical Material with a Large Second-Harmonic Generation and a High Laser-Induced Damage Threshold. Chemistry of Materials, 2021, 33, 6514-6521.	6.7	74
24	Remelting induced fully-equiaxed microstructures with anomalous eutectics in the additive manufactured Ni32Co30Cr10Fe10Al18 eutectic high-entropy alloy. Scripta Materialia, 2021, 201, 113952.	5.2	41
25	Heterogeneous microstructure of the bonding zone and its dependence on preheating in hybrid manufactured Ti-6Al-4V. Materials Research Letters, 2021, 9, 422-428.	8.7	10
26	Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. Angewandte Chemie, 2021, 133, 24333-24338.	2.0	14
27	Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap. Angewandte Chemie - International Edition, 2021, 60, 24131-24136.	13.8	130
28	Proximity ligation assay mediated rolling circle amplification strategy for in situ amplified imaging of glycosylated PD-L1. Analytical and Bioanalytical Chemistry, 2021, 413, 6929-6939.	3.7	10
29	InnenrÃ¼cktitelbild: Li₄MgGe₂S₇: The First Alkali and Alkalineâ€Earth Diamondâ€Like Infrared Nonlinear Optical Material with Exceptional Large Band Gap (Angew. Chem.) Tj ETQq1 1 0.784314 rgBT /Ove	7.8	0
30	miR-21 in EVs from pulmonary epithelial cells promotes myofibroblast differentiation via glycolysis in arsenic-induced pulmonary fibrosis. Environmental Pollution, 2021, 286, 117259.	7.5	22
31	miRâ€21â€regulated M2 polarization of macrophage is involved in arsenicosisâ€induced hepatic fibrosis through the activation of hepatic stellate cells. Journal of Cellular Physiology, 2021, 236, 6025-6041.	4.1	29
32	A nanoprobe for fluorescent monitoring of microRNA and targeted delivery of drugs. RSC Advances, 2021, 11, 8871-8878.	3.6	15
33	A new broad-band infrared window material CdPbOCl2 with excellent comprehensive properties. Dalton Transactions, 2021, 50, 16401-16405.	3.3	4
34	Syntheses, Structures and Properties of Alkali and Alkaline Earth Metal Diamond-Like Compounds Li2MgMSe4 (M = Ge, Sn). Materials, 2021, 14, 6166.	2.9	6
35	A neural-network based framework of developing cross interaction in alloy embedded-atom method potentials: application to Zrâ€“Nb alloy. Journal of Physics Condensed Matter, 2021, 33, 084004.	1.8	2
36	HSP90 and HSP70 Families in Lateolabrax maculatus: Genome-Wide Identification, Molecular Characterization, and Expression Profiles in Response to Various Environmental Stressors. Frontiers in Physiology, 2021, 12, 784803.	2.8	10

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37	Uncovering the eutectics design by machine learning in the Alâ€“Coâ€“Crâ€“Feâ€“Ni high entropy system. Acta Materialia, 2020, 182, 278-286.	7.9	143
38	A review of the AI2B^{II}C^{IV}DVI4 family as infrared nonlinear optical materials: the effect of each site on the structure and optical properties. Chemical Communications, 2020, 56, 11565-11576.	4.1	46
39	Microstructure, Mechanical Properties, and Springback of Ti-Nb Alloys Modified by Mo Addition. Journal of Materials Engineering and Performance, 2020, 29, 5366-5373.	2.5	1
40	Low Youngâ€™s Modulus and High Strength Obtained in Ti-Nb-Zr-Cr Alloys by Optimizing Zr Content. Journal of Materials Engineering and Performance, 2020, 29, 2871-2878.	2.5	6
41	MircoRNA-143-3p regulating ARL6 is involved in the cadmium-induced inhibition of osteogenic differentiation in human bone marrow mesenchymal stem cells. Toxicology Letters, 2020, 331, 159-166.	0.8	17
42	Stable overall water splitting in an asymmetric acid/alkaline electrolyzer comprising a bipolar membrane sandwiched by bifunctional cobaltâ€nickel phosphide nanowire electrodes. , 2020, 2, 646-655.		79
43	Applying CRISPR-Cas12a as a Signal Amplifier to Construct Biosensors for Non-DNA Targets in Ultralow Concentrations. ACS Sensors, 2020, 5, 970-977.	7.8	117
44	In situ generation of sub-10 nm silver nanowires under electron beam irradiation in a TEM. Chemical Communications, 2020, 56, 4765-4768.	4.1	11
45	Effect of secondary arm orientation on unusual overgrowth at converging grain boundary during directional solidification in 3D. Computational Materials Science, 2020, 176, 109531.	3.0	3
46	A fluorometric assay for rapid enrichment and determination of bacteria by using zirconium-metal organic frameworks as both capture surface and signal amplification tag. Mikrochimica Acta, 2020, 187, 188.	5.0	16
47	Tuning the specificity of DNA probes using bulge-loops for low-abundance SNV detection. Biosensors and Bioelectronics, 2020, 154, 112092.	10.1	9
48	LiBa₄Ga₅Q₁₂ (Q = S, Se): Noncentrosymmetric Metal Chalcogenides with a Cesium Chloride Topological Structure Displaying a Remarkable Laser Damage Threshold. Inorganic Chemistry, 2020, 59, 5674-5682.	4.0	25
49	Ultrafine-Grained Porous Ir-Based Catalysts for High-Performance Overall Water Splitting in Acidic Media. ACS Applied Energy Materials, 2020, 3, 3736-3744.	5.1	26
50	Mille-CrÃªpe-like Metal Phosphide Nanocrystals/Carbon Nanotube Film Composites as High-Capacitance Negative Electrodes in Asymmetric Supercapacitors. ACS Applied Energy Materials, 2020, 3, 4580-4588.	5.1	19
51	FOXO1A promotes neuropeptide FF transcription subsequently regulating the expression of feeding-related genes in spotted sea bass (Lateolabrax maculatus). Molecular and Cellular Endocrinology, 2020, 517, 110871.	3.2	13
52	Phase-field study on the effect of initial particle aggregation on the transient coarsening behaviors. Modelling and Simulation in Materials Science and Engineering, 2020, 28, 075007.	2.0	1
53	Effect of Nb Content on Microstructures and Mechanical Properties of Ti-xNb-2Fe Alloys. Journal of Materials Engineering and Performance, 2019, 28, 5501-5508.	2.5	15
54	Interactions between Nanoparticles and Polymers in the Diffusion Boundary Layer during Freezing Colloidal Suspensions. Langmuir, 2019, 35, 10446-10452.	3.5	5

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55	Atomic-scale dynamic observation reveals temperature-dependent multistep nucleation pathways in crystallization. Nanoscale Horizons, 2019, 4, 1302-1309.	8.0	17
56	Yielding and jerky plasticity of tilt grain boundaries in high-temperature graphene. Carbon, 2019, 153, 242-256.	10.3	8
57	High-Performance Flexible Solid-State Asymmetric Supercapacitors Based on Bimetallic Transition Metal Phosphide Nanocrystals. ACS Nano, 2019, 13, 10612-10621.	14.6	214
58	LiBa₂M^{III}Q₄ (M^{III} = Al, Ga, In; Q = S, Se): A Series of Metal Chalcogenides with a Structural Transition. Inorganic Chemistry, 2019, 58, 12859-12866.	4.0	10
59	Direct laser deposited bulk CoCrFeNiNbx high entropy alloys. Intermetallics, 2019, 114, 106592.	3.9	45
60	Migration mechanisms of interphase boundaries with irrational orientation relationships in massive transformations: A phase-field crystal study. Computational Materials Science, 2019, 159, 420-427.	3.0	2
61	Molecular dynamics investigation of the local structure in iron melts and its role in crystal nucleation during rapid solidification. Physical Chemistry Chemical Physics, 2019, 21, 4122-4135.	2.8	29
62	A casting eutectic high entropy alloy with superior strength-ductility combination. Materials Letters, 2019, 253, 268-271.	2.6	109
63	Andrographolide antagonizes the cigarette smoke-induced epithelial-mesenchymal transition and pulmonary dysfunction through anti-inflammatory inhibiting HOTAIR. Toxicology, 2019, 422, 84-94.	4.2	36
64	Large-Scale Fabrication of Hollow Pt₃Al Nanoboxes and Their Electrocatalytic Performance for Hydrogen Evolution Reaction. ACS Sustainable Chemistry and Engineering, 2019, 7, 9842-9847.	6.7	14
65	The incredible excess entropy in high entropy alloys. Scripta Materialia, 2019, 168, 19-22.	5.2	22
66	Development of low-Youngâ€™s modulus Tiâ€“Nb-based alloys with Cr addition. Journal of Materials Science, 2019, 54, 8675-8683.	3.7	22
67	In Situ Atomicâ€Scale Observation of Kinetic Pathways of Sublimation in Silver Nanoparticles. Advanced Science, 2019, 6, 1802131.	11.2	27
68	Atomic packing and size effect on the Hume-Rothery rule. Intermetallics, 2019, 109, 139-144.	3.9	33
69	Low Springback and Low Youngâ€™s Modulus in Tiâ€“29Nbâ€“13Taâ€“4.6Zr Alloy Modified by Mo Addition. Materials Transactions, 2019, 60, 1755-1762.	1.2	5
70	Effects of Fe on Microstructures and Mechanical Properties of Tiâ€“15Nbâ€“25Zrâ€“(0, 2, 4, 8)Fe Alloys Prepared by Spark Plasma Sintering. Materials Transactions, 2019, 60, 1763-1768.	1.2	5
71	Ba₄(BS₃S)₂S₄: a new thioborate with unprecedented [BS₃-S] and [S₄] fundamental building blocks. Chemical Communications, 2019, 55, 14793-14796.	4.1	16
72	Grouping strategy in eutectic multi-principal-component alloys. Materials Chemistry and Physics, 2019, 221, 138-143.	4.0	27

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73	Polyvinylpyrrolidone-Assisted Hydrothermal Synthesis of CuCoO₂ Nanoplates with Enhanced Oxygen Evolution Reaction Performance. ACS Sustainable Chemistry and Engineering, 2019, 7, 1493-1501.	6.7	48
74	Fewâ€Layer Bismuthene with Anisotropic Expansion for Highâ€Arealâ€Capacity Sodiumâ€Ion Batteries. Advanced Materials, 2019, 31, e1807874.	21.0	165
75	Atomic structures and migration mechanisms of interphase boundaries during body- to face-centered cubic phase transformations. Journal of Applied Crystallography, 2019, 52, 1176-1188.	4.5	3
76	Rationally engineered amorphous TiOx/Si/TiOx nanomembrane as an anode material for high energy lithium ion battery. Energy Storage Materials, 2018, 12, 23-29.	18.0	38
77	Finite element analysis and experimental validation of the thermomechanical behavior in laser solid forming of Ti-6Al-4V. Additive Manufacturing, 2018, 21, 30-40.	3.0	81
78	Trends in activity for the oxygen evolution reaction on transition metal (M = Fe, Co, Ni) phosphide pre-catalysts. Chemical Science, 2018, 9, 3470-3476.	7.4	443
79	Boosting the hydrogen evolution performance of ruthenium clusters through synergistic coupling with cobalt phosphide. Energy and Environmental Science, 2018, 11, 1819-1827.	30.8	350
80	Direct Atomic-Scale Observation of Intermediate Pathways of Melting and Crystallization in Supported Bi Nanoparticles. Journal of Physical Chemistry Letters, 2018, 9, 961-969.	4.6	22
81	Magnetic Phase Transition in Spark-Produced Ternary LaFeSi Nanoalloys. ACS Applied Materials & Interfaces, 2018, 10, 6073-6078.	8.0	29
82	Speed-dependent ice bandings in freezing colloidal suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 543, 126-132.	4.7	4
83	Atomic-Scale Understanding of Gold Cluster Growth on Different Substrates and Adsorption-Induced Structural Change. Journal of Physical Chemistry C, 2018, 122, 1753-1760.	3.1	18
84	Coupling eutectic nucleation mechanism investigated by phase field crystal model. Acta Materialia, 2018, 145, 175-185.	7.9	22
85	Abnormal Î³â€³ - Îµ phase transformation in the CoCrFeNiNb0.25 high entropy alloy. Scripta Materialia, 2018, 146, 281-285.	5.2	43
86	Active Capacitor Voltage-Balancing Methods Based on the Dynamic Model for a Five-Level Nested Neutral-Point Piloted Converter. IEEE Transactions on Power Electronics, 2018, 33, 6567-6581.	7.9	35
87	Advanced Electron Microscopy Techniques Toward the Understanding of Metal Nanoparticles and Clusters. , 2018, , 219-287.		3
88	The intrinsic mechanism of corrosion resistance for FCC high entropy alloys. Science China Technological Sciences, 2018, 61, 189-196.	4.0	48
89	Hollow cobalt phosphide octahedral pre-catalysts with exceptionally high intrinsic catalytic activity for electro-oxidation of water and methanol. Journal of Materials Chemistry A, 2018, 6, 20646-20652.	10.3	95
90	In-Situ Atomic-Scale Observation of Intermediate Pathways of Melting and Crystallization of Supported Bi-Nanoparticles in the TEM. Microscopy and Microanalysis, 2018, 24, 1654-1655.	0.4	0

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91	On the roughening transition of solid/liquid interface in multicomponent alloys. Journal of Crystal Growth, 2018, 502, 30-34.	1.5	1
92	Strengthening Porous PVA with TiO ₂ Structure by an Ice-Templating Method. Chinese Physics Letters, 2018, 35, 088101.	3.3	0
93	Two-way design of alloys for advanced ultra supercritical plants based on machine learning. Computational Materials Science, 2018, 155, 331-339.	3.0	37
94	Direct Atomic-Scale Observation of Droplets Coalescence Driven Nucleation and Growth of Supported Bismuth Nanocrystal in the TEM. Microscopy and Microanalysis, 2018, 24, 1702-1703.	0.4	0
95	Non-uniplanar competitive growth of columnar dendritic grains during directional solidification in quasi-2D and 3D configurations. Materials and Design, 2018, 151, 141-153.	7.0	23
96	In situ observation of the unstable lens growth in freezing colloidal suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 553, 681-688.	4.7	7
97	Tuning the defects in face centered cubic high entropy alloy via temperature-dependent stacking fault energy. Scripta Materialia, 2018, 155, 134-138.	5.2	41
98	Detection of Carbendazim Residues in Aqueous Samples by Fluorescent Quenching of Plant Esterase. Journal of Applied Spectroscopy, 2018, 85, 535-542.	0.7	5
99	Revealing the Selection of Ïƒ and Î¼ Phases in CoCrFeNiMox High Entropy Alloys by CALPHAD. Journal of Phase Equilibria and Diffusion, 2018, 39, 446-453.	1.4	25
100	Solid solubility, precipitates, and stacking fault energy of micro-alloyed CoCrFeNi high entropy alloys. Journal of Alloys and Compounds, 2018, 769, 490-502.	5.5	46
101	High Entropy Alloys: From Bulk Metallic Materials to Nanoparticles. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 4986-4990.	2.2	23
102	In Situ Atomicâ€Scale Study of Particleâ€Mediated Nucleation and Growth in Amorphous Bismuth to Nanocrystal Phase Transformation. Advanced Science, 2018, 5, 1700992.	11.2	74
103	Atomic-layer-deposited ultrafine MoS₂nanocrystals on cobalt foam for efficient and stable electrochemical oxygen evolution. Nanoscale, 2017, 9, 2711-2717.	5.6	88
104	Solid solution island of the Co-Cr-Fe-Ni high entropy alloy system. Scripta Materialia, 2017, 131, 42-46.	5.2	81
105	Interfacial defects induced electronic property transformation at perovskite SrVO₃/SrTiO₃ and LaCrO₃/SrTiO₃ heterointerfaces. Physical Chemistry Chemical Physics, 2017, 19, 6945-6951.	2.8	9
106	Highly Selective and Sensitive Colorimetric Sensor for Aminotriazole Residues in Vegetables and Fruits Using Glutathione Functionalized Gold Nanoparticles. Journal of Nanoscience and Nanotechnology, 2017, 17, 4733-4739.	0.9	1
107	Atomistic investigation of homogeneous nucleation in undercooled liquid. Philosophical Magazine, 2017, 97, 2255-2267.	1.6	0
108	In Situ Atomic-Scale Observation of Droplet Coalescence Driven Nucleation and Growth at Liquid/Solid Interfaces. ACS Nano, 2017, 11, 5590-5597.	14.6	34

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109	Uncoupling Growth Mechanisms of Binary Eutectics during Rapid Solidification. Journal of Physical Chemistry C, 2017, 121, 8204-8210.	3.1	5
110	Understanding alloy structure and composition in sinter-resistant AgPd@SiO₂ encapsulated catalysts and their effect on catalytic properties. New Journal of Chemistry, 2017, 41, 14652-14658.	2.8	6
111	Elastic strain response in the modified phase-field-crystal model. Chinese Physics B, 2017, 26, 090702.	1.4	5
112	Description of order-disorder transitions based on the phase-field-crystal model. Physical Review E, 2017, 95, 043307.	2.1	2
113	Dynamic particle packing in freezing colloidal suspensions. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 531, 93-98.	4.7	15
114	Branching-induced grain boundary evolution during directional solidification of columnar dendritic grains. Acta Materialia, 2017, 136, 148-163.	7.9	37
115	Phase-field-crystal investigation of the morphology of a steady-state dendrite tip on the atomic scale. Physical Review E, 2017, 95, 062803.	2.1	7
116	Size effects of shear deformation response for nano-single crystals examined by the phase-field-crystal model. Computational Materials Science, 2017, 127, 121-127.	3.0	5
117	A Space Vector Pulse Width Modulation for Five-Level Nested Neutral Point Piloted Converter. IEEE Transactions on Power Electronics, 2017, 32, 5991-6004.	7.9	42
118	Phase separation of metastable CoCrFeNi high entropy alloy at intermediate temperatures. Scripta Materialia, 2017, 126, 15-19.	5.2	212
119	Material microstructures analyzed by using gray level Co-occurrence matrices. Chinese Physics B, 2017, 26, 098104.	1.4	4
120	Fast finite control set model predictive control for three-phase five-level nested neutral point piloted converter. , 2017, , .		2
121	Interfacial undercooling in solidification of colloidal suspensions: analyses with quantitative measurements. Scientific Reports, 2016, 6, 28434.	3.3	28
122	Kinetic ways of tailoring phases in high entropy alloys. Scientific Reports, 2016, 6, 34628.	3.3	29
123	A colorimetric multilayer sensor for discriminating red wine and green tea by measurement of antioxidant activity. Analytical Methods, 2016, 8, 3345-3352.	2.7	10
124	Interfacial free energy adjustable phase field crystal model for homogeneous nucleation. Soft Matter, 2016, 12, 4666-4673.	2.7	20
125	Stability of lamellar structures in CoCrFeNiNbx eutectic high entropy alloys at elevated temperatures. Materials and Design, 2016, 104, 259-264.	7.0	128
126	Manipulating the Interfacial Energetics of n-type Silicon Photoanode for Efficient Water Oxidation. Journal of the American Chemical Society, 2016, 138, 13664-13672.	13.7	121

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127	Kinetic Pathways and Mechanisms of Two-Step Nucleation in Crystallization. Journal of Physical Chemistry Letters, 2016, 7, 5008-5014.	4.6	50
128	Real-Time Dynamical Observation of Lattice Induced Nucleation and Growth in Interfacial Solidâ€“Solid Phase Transitions. Crystal Growth and Design, 2016, 16, 7256-7262.	3.0	19
129	Existence and forming mechanism of metastable phase in crystallization. Computational Materials Science, 2016, 122, 167-176.	3.0	3
130	Strengthening the CoCrFeNiNb0.25 high entropy alloy by FCC precipitate. Journal of Alloys and Compounds, 2016, 667, 53-57.	5.5	106
131	Designing eutectic high entropy alloys of CoCrFeNiNb x. Journal of Alloys and Compounds, 2016, 656, 284-289.	5.5	340
132	Modified phase-field-crystal model for solid-liquid phase transitions. Physical Review E, 2015, 92, 013309.	2.1	16
133	Effects of a disconnection dipole on the shear-coupled grain boundary migration. Computational Materials Science, 2015, 109, 253-257.	3.0	3
134	Atomic-scale observation of dynamical fluctuation and three-dimensional structure of gold clusters. Journal of Applied Physics, 2015, 117, .	2.5	22
135	Atomic investigation of steady-state dendrite tips by using phase-field crystal method. IOP Conference Series: Materials Science and Engineering, 2015, 84, 012070.	0.6	1
136	A dewetting route to grow heterostructured nanoparticles based on thin film heterojunctions. Nanoscale, 2015, 7, 19977-19984.	5.6	5
137	Precisely detecting atomic position of atomic intensity images. Ultramicroscopy, 2015, 150, 74-78.	1.9	3
138	AgAl alloy electrode for efficient perovskite solar cells. RSC Advances, 2015, 5, 56037-56044.	3.6	23
139	Effects of surfactant on capillary evaporation process with thick films. International Journal of Heat and Mass Transfer, 2015, 88, 406-410.	4.8	8
140	The phase stability of Ni2CrFeMox multi-principal-component alloys with medium configurational entropy. Materials and Design, 2015, 85, 1-6.	7.0	29
141	Preparation of poly (Lâ€lactic acid) with aligned structures by unidirectional freezing. Polymers for Advanced Technologies, 2015, 26, 606-612.	3.2	20
142	Synthesis and photocatalysis of mesoporous titania templated by natural rubber latex. RSC Advances, 2015, 5, 21480-21486.	3.6	19
143	Strain mapping in nanocrystalline grains simulated by phase field crystal model. Philosophical Magazine, 2015, 95, 973-984.	1.6	11
144	Effect of initial particle size distribution on the dynamics of transient Ostwald ripening: A phase field study. Acta Materialia, 2015, 90, 10-26.	7.9	43

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145	Two-dimensional electron gas at the Ti-diffused BiFeO3/SrTiO3 interface. Applied Physics Letters, 2015, 107, .	3.3	38
146	In situ observation the interface undercooling of freezing colloidal suspensions with differential visualization method. Review of Scientific Instruments, 2015, 86, 084901.	1.3	21
147	Plant Esteraseâ€“Chitosan/Gold Nanoparticlesâ€“Graphene Nanosheet Composite-Based Biosensor for the Ultrasensitive Detection of Organophosphate Pesticides. Journal of Agricultural and Food Chemistry, 2015, 63, 10319-10326.	5.2	88
148	Quasi-two-dimensional equilibrium solid/liquid interface of colloids at low osmotic pressure. Journal of Crystal Growth, 2014, 385, 106-110.	1.5	1
149	Phase-field-crystal simulation of nonequilibrium crystal growth. Physical Review E, 2014, 89, 012405.	2.1	38
150	Anomalous overgrowth of converging dendrites during directional solidification. Journal of Crystal Growth, 2014, 402, 210-214.	1.5	28
151	Interfacial defect complex at the MgO/SrTiO₃heterojunction and its electronic impact. RSC Advances, 2014, 4, 51002-51007.	3.6	11
152	GPU-accelerated phase field simulation of directional solidification. Science China Technological Sciences, 2014, 57, 1191-1197.	4.0	5
153	Microstructure Evolution of Mg–4.3Zn–0.7Y–0.6Zr Alloy during Solution Heat Treatment. Materials Transactions, 2014, 55, 264-269.	1.2	5
154	Atomic-Scale Observation of Migration and Coalescence of Au Nanoclusters on YSZ Surface by Aberration-Corrected STEM. Scientific Reports, 2014, 4, 5521.	3.3	27
155	Discrimination of Lung Cancer Related Volatile Organic Compounds with a Colorimetric Sensor Array. Analytical Letters, 2013, 46, 2048-2059.	1.8	14
156	Wet chemical route to the synthesis of kesterite Cu2ZnSnS4 nanocrystals and their applications in lithium ion batteries. Materials Letters, 2013, 92, 330-333.	2.6	30
157	Interactions between grain boundary and compositional domain boundary during spinodal decomposition in nanocrystalline alloys. Philosophical Magazine, 2013, 93, 2122-2132.	1.6	6
158	Non-isothermal crystallization kinetics and fragility of (Cu46Zr47Al7)97Ti3 bulk metallic glass investigated by differential scanning calorimetry. Thermochimica Acta, 2013, 565, 132-136.	2.7	42
159	Fabrication and Evaluation of Low-cost Cu2ZnSn(S,Se)4 Counter Electrodes for Dye-sensitized Solar Cells. Nano-Micro Letters, 2013, 5, 281-288.	27.0	18
160	Unique visualization of multiply oriented lattice structures using a continuous wavelet transform. Computer Physics Communications, 2013, 184, 2489-2493.	7.5	8
161	RESEARCH ON DIVERGED BI-CRYSTAL COMPETITIVE GROWTH IN DIRECTIONAL SOLIDIFICATION. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 58.	0.3	1
162	Phase field investigation on the selection of initial sidebranch spacing in directional solidification. IOP Conference Series: Materials Science and Engineering, 2012, 27, 012009.	0.6	0

#	Article	IF	Citations
163	Competitive grain growth in directional solidification investigated by phase field simulation. IOP Conference Series: Materials Science and Engineering, 2012, 33, 012098.	0.6	1
164	Crystal structure and electronic structure of quaternary semiconductors Cu2ZnTiSe4 and Cu2ZnTiS4 for solar cell absorber. Journal of Applied Physics, 2012, 112, .	2.5	19
165	Phase-field study of competitive dendritic growth of converging grains during directional solidification. Acta Materialia, 2012, 60, 1478-1493.	7.9	131
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167	Synthesis, crystal structure and properties of a new lead fluoride borate, Pb3OBO3F. Materials Research Bulletin, 2012, 47, 947-951.	5.2	17
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