

Jincheng Wang

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143
papers

2,445
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25
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148
ext. papers

3,186
ext. citations

4
avg, IF

5.39
L-index

#	Paper	IF	Citations
143	Atomic-size effect and solid solubility of multicomponent alloys. <i>Scripta Materialia</i> , 2015 , 94, 28-31	5.6	226
142	Designing eutectic high entropy alloys of CoCrFeNiNb x. <i>Journal of Alloys and Compounds</i> , 2016 , 656, 284-289	5.7	222
141	Phase separation of metastable CoCrFeNi high entropy alloy at intermediate temperatures. <i>Scripta Materialia</i> , 2017 , 126, 15-19	5.6	165
140	Phase-field study of competitive dendritic growth of converging grains during directional solidification. <i>Acta Materialia</i> , 2012 , 60, 1478-1493	8.4	103
139	Stability of lamellar structures in CoCrFeNiNb _x eutectic high entropy alloys at elevated temperatures. <i>Materials and Design</i> , 2016 , 104, 259-264	8.1	88
138	Strengthening the CoCrFeNiNb _{0.25} high entropy alloy by FCC precipitate. <i>Journal of Alloys and Compounds</i> , 2016 , 667, 53-57	5.7	80
137	Design of D022 superlattice with superior strengthening effect in high entropy alloys. <i>Acta Materialia</i> , 2019 , 167, 275-286	8.4	75
136	Solid solution island of the Co-Cr-Fe-Ni high entropy alloy system. <i>Scripta Materialia</i> , 2017 , 131, 42-46	5.6	59
135	Uncovering the eutectics design by machine learning in the AlCoCrFeNi high entropy system. <i>Acta Materialia</i> , 2020 , 182, 278-286	8.4	55
134	A casting eutectic high entropy alloy with superior strength-ductility combination. <i>Materials Letters</i> , 2019 , 253, 268-271	3.3	50
133	A study of the effect of Y on the mechanical properties, damping properties of high damping Mg _{0.6} Zr based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 517, 114-117	5.3	46
132	Kinetic Pathways and Mechanisms of Two-Step Nucleation in Crystallization. <i>Journal of Physical Chemistry Letters</i> , 2016 , 7, 5008-5014	6.4	42
131	Nanoindentation characterized initial creep behavior of a high-entropy-based alloy CoFeNi. <i>Intermetallics</i> , 2014 , 53, 183-186	3.5	40
130	Phase field modeling the selection mechanism of primary dendritic spacing in directional solidification. <i>Acta Materialia</i> , 2012 , 60, 1957-1964	8.4	39
129	Damping properties of Mg ₂ Al binary alloys. <i>Physica B: Condensed Matter</i> , 2008 , 403, 2438-2442	2.8	37
128	On the stagnation of grain growth in nanocrystalline materials. <i>Scripta Materialia</i> , 2009 , 60, 945-948	5.6	33
127	Synergistic effect of Ti and Al on L12-phase design in CoCrFeNi-based high entropy alloys. <i>Intermetallics</i> , 2019 , 110, 106476	3.5	32

126	Effect of initial particle size distribution on the dynamics of transient Ostwald ripening: A phase field study. <i>Acta Materialia</i> , 2015 , 90, 10-26	8.4	32
125	Phase-field simulation of microstructure development involving nucleation and crystallographic orientations in alloy solidification. <i>Journal of Crystal Growth</i> , 2007 , 309, 65-69	1.6	31
124	Three-dimensional phase-field crystal modeling of fcc and bcc dendritic crystal growth. <i>Journal of Crystal Growth</i> , 2011 , 334, 146-152	1.6	30
123	Tuning the defects in face centered cubic high entropy alloy via temperature-dependent stacking fault energy. <i>Scripta Materialia</i> , 2018 , 155, 134-138	5.6	29
122	Solid solubility, precipitates, and stacking fault energy of micro-alloyed CoCrFeNi high entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018 , 769, 490-502	5.7	28
121	Orientation selection process during the early stage of cubic dendrite growth: A phase-field crystal study. <i>Acta Materialia</i> , 2012 , 60, 5501-5507	8.4	28
120	Phase-field-crystal simulation of nonequilibrium crystal growth. <i>Physical Review E</i> , 2014 , 89, 012405	2.4	27
119	Direct laser deposited bulk CoCrFeNiNbx high entropy alloys. <i>Intermetallics</i> , 2019 , 114, 106592	3.5	26
118	Branching-induced grain boundary evolution during directional solidification of columnar dendritic grains. <i>Acta Materialia</i> , 2017 , 136, 148-163	8.4	25
117	The phase stability of Ni ₂ CrFeMox multi-principal-component alloys with medium configurational entropy. <i>Materials and Design</i> , 2015 , 85, 1-6	8.1	24
116	Kinetic ways of tailoring phases in high entropy alloys. <i>Scientific Reports</i> , 2016 , 6, 34628	4.9	24
115	The intrinsic mechanism of corrosion resistance for FCC high entropy alloys. <i>Science China Technological Sciences</i> , 2018 , 61, 189-196	3.5	24
114	Abnormal β - β' phase transformation in the CoCrFeNiNb _{0.25} high entropy alloy. <i>Scripta Materialia</i> , 2018 , 146, 281-285	5.6	23
113	Interfacial undercooling in solidification of colloidal suspensions: analyses with quantitative measurements. <i>Scientific Reports</i> , 2016 , 6, 28434	4.9	23
112	Quantitative determination of the lattice constant in high entropy alloys. <i>Scripta Materialia</i> , 2019 , 162, 468-471	5.6	23
111	Onset of initial planar instability with surface-tension anisotropy during directional solidification. <i>Physical Review E</i> , 2009 , 80, 052603	2.4	20
110	In situ observation the interface undercooling of freezing colloidal suspensions with differential visualization method. <i>Review of Scientific Instruments</i> , 2015 , 86, 084901	1.7	19
109	Design of high entropy alloys based on the experience from commercial superalloys. <i>Philosophical Magazine Letters</i> , 2015 , 95, 1-6	1	19

108	Precipitation and responding damping behavior of heat-treated AZ31 magnesium alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2009 , 22, 1-6	2.5	19
107	Grouping strategy in eutectic multi-principal-component alloys. <i>Materials Chemistry and Physics</i> , 2019 , 221, 138-143	4.4	19
106	Non-uniplanar competitive growth of columnar dendritic grains during directional solidification in quasi-2D and 3D configurations. <i>Materials and Design</i> , 2018 , 151, 141-153	8.1	19
105	Molecular dynamics investigation of the local structure in iron melts and its role in crystal nucleation during rapid solidification. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 4122-4135	3.6	17
104	Revealing the Selection of β and β' Phases in CoCrFeNiMox High Entropy Alloys by CALPHAD. <i>Journal of Phase Equilibria and Diffusion</i> , 2018 , 39, 446-453	1	17
103	Phase-field simulation with the CALPHAD method for the microstructure evolution of multi-component Ni-base superalloys. <i>Intermetallics</i> , 2008 , 16, 239-245	3.5	17
102	Interfacial free energy adjustable phase field crystal model for homogeneous nucleation. <i>Soft Matter</i> , 2016 , 12, 4666-73	3.6	17
101	Two-way design of alloys for advanced ultra supercritical plants based on machine learning. <i>Computational Materials Science</i> , 2018 , 155, 331-339	3.2	17
100	Tailoring nanoprecipitates for ultra-strong high-entropy alloys via machine learning and prestrain aging. <i>Journal of Materials Science and Technology</i> , 2021 , 69, 156-167	9.1	16
99	Coupling eutectic nucleation mechanism investigated by phase field crystal model. <i>Acta Materialia</i> , 2018 , 145, 175-185	8.4	15
98	Predicting growth direction of tilted dendritic arrays during directional solidification. <i>Journal of Crystal Growth</i> , 2011 , 328, 108-113	1.6	15
97	Quantitative investigation of cellular growth in directional solidification by phase-field simulation. <i>Physical Review E</i> , 2011 , 84, 041604	2.4	15
96	Phase-field modeling of isothermal dendritic coarsening in ternary alloys. <i>Acta Materialia</i> , 2008 , 56, 4585-4592	8.4	15
95	Atomic packing and size effect on the Hume-Rothery rule. <i>Intermetallics</i> , 2019 , 109, 139-144	3.5	14
94	Controls on microstructural features during solidification of colloidal suspensions. <i>Acta Materialia</i> , 2018 , 157, 288-297	8.4	12
93	High Entropy Alloys: From Bulk Metallic Materials to Nanoparticles. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 4986-4990	2.3	12
92	Modified phase-field-crystal model for solid-liquid phase transitions. <i>Physical Review E</i> , 2015 , 92, 013309	2.4	12
91	Phase field investigation on cellular tip splitting during directional solidification. <i>Scripta Materialia</i> , 2009 , 61, 915-918	5.6	12

90	Remelting induced fully-equiaxed microstructures with anomalous eutectics in the additive manufactured Ni ₃₂ Co ₃₀ Cr ₁₀ Fe ₁₀ Al ₁₈ eutectic high-entropy alloy. <i>Scripta Materialia</i> , 2021 , 201, 113952	5.6	12
89	Strain partitioning enables excellent tensile ductility in precipitated heterogeneous high-entropy alloys with gigapascal yield strength. <i>International Journal of Plasticity</i> , 2021 , 144, 103022	7.6	12
88	Fourier synthesis predicting onset of the initial instability during directional solidification. <i>Applied Physics Letters</i> , 2009 , 94, 061920	3.4	11
87	Phase-field investigation of effects of surface-tension anisotropy on deterministic sidebranching in solutal dendritic growth. <i>Physical Review E</i> , 2008 , 78, 042601	2.4	11
86	Mechanical relaxation and fracture of phase field crystals. <i>Physical Review E</i> , 2019 , 99, 013302	2.4	10
85	Phase field crystal modeling of grain rotation with small initial misorientations in nanocrystalline materials. <i>Computational Materials Science</i> , 2014 , 88, 163-169	3.2	10
84	Dynamic particle packing in freezing colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017 , 531, 93-98	5.1	10
83	Effect of pickling processes on the microstructure and properties of electroless NiB coating on Mg ₇₅ Li ₁₀ Zn ₁₀ Y alloy. <i>Progress in Natural Science: Materials International</i> , 2014 , 24, 655-662	3.6	10
82	The incredible excess entropy in high entropy alloys. <i>Scripta Materialia</i> , 2019 , 168, 19-22	5.6	9
81	Interface instability modes in freezing colloidal suspensions: revealed from onset of planar instability. <i>Scientific Reports</i> , 2016 , 6, 23358	4.9	9
80	Single Ice Crystal Growth with Controlled Orientation during Directional Freezing. <i>Journal of Physical Chemistry B</i> , 2021 , 125, 970-979	3.4	9
79	Strain mapping in nanocrystalline grains simulated by phase field crystal model. <i>Philosophical Magazine</i> , 2015 , 95, 973-984	1.6	8
78	A precipitation-strengthened high-entropy alloy for additive manufacturing. <i>Additive Manufacturing</i> , 2020 , 35, 101410	6.1	8
77	Phase field modeling the growth of Ni ₃ Al layer in the γ -diffusion couple of Ni ₃ Al binary system. <i>Intermetallics</i> , 2011 , 19, 229-233	3.5	8
76	Microstructure and mechanical properties of an Al ₈₀ Ni ₂₀ Co intermetallics reinforced Al matrix composite. <i>Journal of Materials Science</i> , 2009 , 44, 3420-3427	4.3	8
75	Unique visualization of multiply oriented lattice structures using a continuous wavelet transform. <i>Computer Physics Communications</i> , 2013 , 184, 2489-2493	4.2	7
74	Investigation into microsegregation during solidification of a binary alloy by phase-field simulations. <i>Journal of Crystal Growth</i> , 2009 , 311, 1217-1222	1.6	7
73	Effects of surfactant on capillary evaporation process with thick films. <i>International Journal of Heat and Mass Transfer</i> , 2015 , 88, 406-410	4.9	6

72	Yielding and jerky plasticity of tilt grain boundaries in high-temperature graphene. <i>Carbon</i> , 2019 , 153, 242-256	10.4	6
71	Phase-field-crystal investigation of the morphology of a steady-state dendrite tip on the atomic scale. <i>Physical Review E</i> , 2017 , 95, 062803	2.4	6
70	Interactions between grain boundary and compositional domain boundary during spinodal decomposition in nanocrystalline alloys. <i>Philosophical Magazine</i> , 2013 , 93, 2122-2132	1.6	6
69	Anomalous effect of lattice misfit on the coarsening behavior of multicomponent L12 phase. <i>Scripta Materialia</i> , 2020 , 183, 111-116	5.6	6
68	Elastic strain response in the modified phase-field-crystal model. <i>Chinese Physics B</i> , 2017 , 26, 090702	1.2	5
67	Size effects of shear deformation response for nano-single crystals examined by the phase-field-crystal model. <i>Computational Materials Science</i> , 2017 , 127, 121-127	3.2	5
66	Three-dimensional Phase Field Modeling of the Faceted Cellular Growth. <i>ISIJ International</i> , 2010 , 50, 1901-1907	1.7	5
65	Dislocation nucleation from Zr/Nb bimetal interfaces cooperating with the dynamic evolution of interfacial dislocations. <i>International Journal of Plasticity</i> , 2020 , 135, 102830	7.6	5
64	A microstructure-informatic strategy for Vickers hardness forecast of austenitic steels from experimental data. <i>Materials and Design</i> , 2021 , 201, 109497	8.1	5
63	Implementing continuous freeze-casting by separated control of thermal gradient and solidification rate. <i>International Journal of Heat and Mass Transfer</i> , 2019 , 133, 986-993	4.9	5
62	Elemental partitioning as a route to design precipitation-hardened high entropy alloys. <i>Journal of Materials Science and Technology</i> , 2021 , 72, 52-60	9.1	5
61	Uncoupling Growth Mechanisms of Binary Eutectics during Rapid Solidification. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 8204-8210	3.8	4
60	Interactions between Nanoparticles and Polymers in the Diffusion Boundary Layer during Freezing Colloidal Suspensions. <i>Langmuir</i> , 2019 , 35, 10446-10452	4	4
59	Phase field simulation of grain growth with grain boundary segregation. <i>International Journal of Materials Research</i> , 2010 , 101, 555-559	0.5	4
58	Atomistic Mechanism Underlying Nucleation in AlCu Alloys with Different Compositions and Cooling Rates. <i>Journal of Physical Chemistry C</i> , 2021 , 125, 3480-3494	3.8	4
57	In situ observation of the unstable lens growth in freezing colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 553, 681-688	5.1	4
56	Effect of secondary arm orientation on unusual overgrowth at converging grain boundary during directional solidification in 3D. <i>Computational Materials Science</i> , 2020 , 176, 109531	3.2	3
55	Speed-dependent ice bandings in freezing colloidal suspensions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018 , 543, 126-132	5.1	3

54	Existence and forming mechanism of metastable phase in crystallization. <i>Computational Materials Science</i> , 2016 , 122, 167-176	3.2	3
53	GPU-accelerated phase field simulation of directional solidification. <i>Science China Technological Sciences</i> , 2014 , 57, 1191-1197	3.5	3
52	Microstructure Evolution of Mg–4.3Zn–0.7Y–0.6Zr Alloy during Solution Heat Treatment. <i>Materials Transactions</i> , 2014 , 55, 264-269	1.3	3
51	Precisely detecting atomic position of atomic intensity images. <i>Ultramicroscopy</i> , 2015 , 150, 74-78	3.1	3
50	Three-dimensional multi-phase field simulation of the lamellar growth stability in a directionally solidified hypereutectic CBr4□2Cl6 alloy. <i>Journal of Crystal Growth</i> , 2009 , 311, 2496-2500	1.6	3
49	Phase field simulation of the interface morphology evolution and its stability during directional solidification of binary alloys. <i>Science in China Series D: Earth Sciences</i> , 2008 , 51, 362-370		3
48	Phase-Field Simulation of Ni-Al-Cr System with Chemical Free Energy Using CALPHAD Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2006 , 70, 682-685	0.4	3
47	Migration mechanisms of interphase boundaries with irrational orientation relationships in massive transformations: A phase-field crystal study. <i>Computational Materials Science</i> , 2019 , 159, 420-427	3.2	2
46	Description of order-disorder transitions based on the phase-field-crystal model. <i>Physical Review E</i> , 2017 , 95, 043307	2.4	2
45	Effects of a disconnection dipole on the shear-coupled grain boundary migration. <i>Computational Materials Science</i> , 2015 , 109, 253-257	3.2	2
44	Atomic scale modeling of vicinal surface growth from melts using the phase-field crystal method. <i>Journal of Crystal Growth</i> , 2013 , 374, 11-17	1.6	2
43	Interfacial reaction between Al ₇₂ Ni ₁₂ Co ₁₆ decagonal quasicrystalline particles and liquid aluminium. <i>Journal of Materials Science</i> , 2010 , 45, 1438-1442	4.3	2
42	Atomic structures and migration mechanisms of interphase boundaries during body- to face-centered cubic phase transformations. <i>Journal of Applied Crystallography</i> , 2019 , 52, 1176-1188	3.8	2
41	The formation mechanism of special globular surface grain during the solidification of laser surface remelted near □titanium alloys. <i>Computational Materials Science</i> , 2021 , 191, 110353	3.2	2
40	Design Fe-based Eutectic Medium-Entropy Alloys Fe ₂ NiCrNbx. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 1103-1108	2.5	2
39	Effect of Re and Ru on the phase stability and coarsening kinetics of L1 ₂ phase in a Ni ₂₉ Co ₂₇ Fe ₂₇ Cr ₃ Al ₇ Ti ₇ high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 866, 158904	5.7	2
38	Quantitative determination of tip undercooling of faceted sea ice with experiments. <i>Journal of Physics Condensed Matter</i> , 2021 , 33,	1.8	2
37	Phase-field study of spinodal decomposition under effect of grain boundary*. <i>Chinese Physics B</i> , 2021 , 30, 088101	1.2	2

36	Eutectic dual-phase microstructure modulated porous high-entropy alloys as high-performance bifunctional electrocatalysts for water splitting. <i>Journal of Materials Chemistry A</i> ,	13	2
35	Phase-field simulation of microstructure evolution in electron beam additive manufacturing. <i>European Physical Journal E</i> , 2020 , 43, 35	1.5	1
34	An atomic scale study of two-dimensional quasicrystal nucleation controlled by multiple length scale interactions. <i>Soft Matter</i> , 2020 , 16, 5718-5726	3.6	1
33	Two-dimensional liquid crystalline growth within a phase-field-crystal model. <i>Physical Review E</i> , 2015 , 92, 012504	2.4	1
32	Atomic investigation of steady-state dendrite tips by using phase-field crystal method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015 , 84, 012070	0.4	1
31	Thermodynamic modelling and Gulliver-Scheil simulation of multi-component Al alloys. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 27, 012082	0.4	1
30	Phase field modeling for dendritic morphology transition and micro-segregation in multi-component alloys. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 344-351		1
29	Three-Dimensional Multiphase Field Modeling of the Effect of Lamellar Thickness on the Eutectic Growth. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2009 , 40, 1670-1674	2.3	1
28	Competitive grain growth in directional solidification investigated by phase field simulation. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 33, 012098	0.4	1
27	Phase-field simulation of the effect of interactions between ordered domains on transformation kinetics in precipitation. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2008 , 16, 025004 ²		1
26	Phase-Field Simulation of the Elastic Effect on the Transformation Kinetics in Precipitation. <i>Materials Transactions</i> , 2008 , 49, 133-138	1.3	1
25	Global-Oriented Strategy for Searching Ultrastrength Martensitic Stainless Steels. <i>Advanced Theory and Simulations</i> , 2100411	3.5	1
24	Atomic-scale investigation of coarsening kinetics by the phase-field crystal model. <i>Europhysics Letters</i> , 2021 , 135, 56002	1.6	1
23	Phase-field study on the effect of initial particle aggregation on the transient coarsening behaviors. <i>Modelling and Simulation in Materials Science and Engineering</i> , 2020 , 28, 075007	2	1
22	Competitive growth of diverging columnar grains during directional solidification: A three-dimensional phase-field study. <i>Computational Materials Science</i> , 2021 , 111061	3.2	1
21	Crossover from lamellar to intersected ice morphologies within a single ice crystal during unidirectional freezing of an aqueous solution. <i>Journal of Crystal Growth</i> , 2022 , 577, 126398	1.6	1
20	The planar instability during unidirectional freezing of a macromolecular polymer solution: Diffusion-controlled or not?. <i>Physica B: Condensed Matter</i> , 2021 , 610, 412923	2.8	1
19	Distinct Recrystallization Kinetics in Ni ₄₀ Co ₁₀ Ir ₁₀ Be-Based Single-Phase High-Entropy Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021 , 52, 3799-3810 ^{2,3}		1

18	On the roughening transition of solid/liquid interface in multicomponent alloys. <i>Journal of Crystal Growth</i> , 2018 , 502, 30-34	1.6	1
17	An atomistic investigation of branching mechanism during lamellar eutectic solidification. <i>Computational Materials Science</i> , 2021 , 196, 110536	3.2	1
16	On Ti6Al4V Microsegregation in Electron Beam Additive Manufacturing with Multiphase-Field Simulation Coupled with Thermodynamic Data. <i>Acta Metallurgica Sinica (English Letters)</i> ,1	2.5	1
15	Novel B2-strengthening NiTiCrAl medium-entropy alloys with prominent mechanical performance. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022 , 840, 142856	5.3	1
14	Quasi-two-dimensional equilibrium solid/liquid interface of colloids at low osmotic pressure. <i>Journal of Crystal Growth</i> , 2014 , 385, 106-110	1.6	0
13	A neural-network based framework of developing cross interaction in alloy embedded-atom method potentials: application to Zr-Nb alloy. <i>Journal of Physics Condensed Matter</i> , 2021 , 33, 084004	1.8	0
12	Tilting Behavior of Lamellar Ice Tip during Unidirectional Freezing of Aqueous Solutions. <i>Langmuir</i> , 2021 , 37, 10579-10587	4	0
11	Molecular-Level Insights into the Nucleation Mechanism of One-Component Soft Matter Icosahedral Quasicrystal Studied by Phase-Field Crystal Simulations. <i>Crystal Growth and Design</i> , 2022 , 22, 2637-2643	3.5	0
10	Non-monotonous effect of pre-strain on the precipitates and strengthening mechanisms of high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2022 , 906, 164338	5.7	0
9	Connections between structural characteristics and crystal nucleation of Al ₈₀ glasses near glass transition temperature. <i>Journal of Non-Crystalline Solids</i> , 2022 , 588, 121637	3.9	0
8	Phase selection of BCC/B2 phases for the improvement of tensile behaviors in FeNiCrAl medium entropy alloy. <i>Journal of Alloys and Compounds</i> , 2022 , 165382	5.7	0
7	Atomistic investigation of homogeneous nucleation in undercooled liquid. <i>Philosophical Magazine</i> , 2017 , 97, 2255-2267	1.6	
6	SOLUTE FIELD ACROSS DIFFUSE INTERFACE DURING TRANSIENT PROCESS OF BINARY ALLOYS SOLIDIFICATION IN PHASE FIELD MODE. <i>International Journal of Modern Physics B</i> , 2010 , 24, 2768-2773	1.1	
5	Phase field investigation on the selection of initial sidebranch spacing in directional solidification. <i>IOP Conference Series: Materials Science and Engineering</i> , 2012 , 27, 012009	0.4	
4	One-dimensional ledges and migration mechanism of incoherent interphase boundaries. <i>Journal of Applied Crystallography</i> , 2021 , 54, 211-216	3.8	
3	Strengthening Porous PVA with TiO ₂ Structure by an Ice-Templating Method. <i>Chinese Physics Letters</i> , 2018 , 35, 088101	1.8	
2	A phase-field study on interaction process of moving grain boundary and spinodal decomposition. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2022 , 71, 078101	0.6	
1	Deformation Behaviors of an Additive-Manufactured Ni ₃₂ Co ₃₀ Cr ₁₀ Fe ₁₀ Al ₁₈ Eutectic High Entropy Alloy at Ambient and Elevated Temperatures. <i>Acta Metallurgica Sinica (English Letters)</i> ,1	2.5	

