

Jin-Shan Li

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	An Approach to Obtaining Homogeneously Dispersed Carbon Nanotubes in Al Powders for Preparing Reinforced Al-Matrix Composites. <i>Advanced Materials</i> , 2007, 19, 1128-1132.	11.1	321
2	Enhanced plastic strain in Zr-based bulk amorphous alloys. <i>Physical Review B</i> , 2001, 64, .	1.1	255
3	Effect of aging temperature on microstructure and properties of AlCoCrCuFeNi high-entropy alloy. <i>Intermetallics</i> , 2009, 17, 266-269.	1.8	214
4	Strengthening of nanoprecipitations in an annealed Al _{0.5} CoCrFeNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 671, 82-86.	2.6	158
5	Characterization of hot deformation behavior of a new near beta titanium alloy: Ti-7333. <i>Materials & Design</i> , 2013, 49, 945-952.	5.1	140
6	Deformation and dynamic recrystallization behavior of a high Nb containing TiAl alloy. <i>Journal of Alloys and Compounds</i> , 2013, 552, 363-369.	2.8	120
7	Precipitation behavior of grain boundary M ₂₃ C ₆ and its effect on tensile properties of Ni-Cr-W based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 548, 83-88.	2.6	119
8	Reducing deformation anisotropy to achieve ultrahigh strength and ductility in Mg at the nanoscale. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13289-13293.	3.3	111
9	Hot deformation mechanism and microstructure evolution of a new near β^2 titanium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 584, 121-132.	2.6	103
10	Characterization of BCC phases in AlCoCrFeNiTi _x high entropy alloys. <i>Materials Letters</i> , 2015, 138, 78-80.	1.3	103
11	Enhanced mechanical properties of a CoCrFeNi high entropy alloy by supercooling method. <i>Materials and Design</i> , 2016, 95, 183-187.	3.3	99
12	Dynamic recrystallization and texture evolution of Ti-22Al-25Nb alloy during plane-strain compression. <i>Journal of Alloys and Compounds</i> , 2018, 749, 844-852.	2.8	88
13	Integrating data mining and machine learning to discover high-strength ductile titanium alloys. <i>Acta Materialia</i> , 2021, 202, 211-221.	3.8	85
14	Integrated computational materials engineering for advanced materials: A brief review. <i>Computational Materials Science</i> , 2019, 158, 42-48.	1.4	84
15	The interrelationship of fracture toughness and microstructure in a new near β^2 titanium alloy Ti-7Mo-3Nb-3Cr-3Al. <i>Materials Characterization</i> , 2014, 96, 93-99.	1.9	82
16	Composite structure of β' phase in metastable β^2 Ti alloys induced by lattice strain during β^2 to β' phase transformation. <i>Acta Materialia</i> , 2017, 132, 307-326.	3.8	80
17	Effect of temperature on tensile behavior of Ni-Cr-W based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1974-1978.	2.6	79
18	Microstructural evolution of a ductile metastable β^2 titanium alloy with combined TRIP/TWIP effects. <i>Journal of Alloys and Compounds</i> , 2017, 699, 775-782.	2.8	76

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19	Characterization of hot deformation microstructure of a near beta titanium alloy Ti-5553. <i>Journal of Alloys and Compounds</i> , 2014, 615, 531-537.	2.8	75
20	Characterization of hot deformation behavior of Haynes230 by using processing maps. <i>Journal of Materials Processing Technology</i> , 2009, 209, 4020-4026.	3.1	74
21	Influence of solution treatment on microstructure and mechanical properties of a near β^2 titanium alloy Ti-7333. <i>Materials and Design</i> , 2015, 83, 499-507.	3.3	74
22	Microstructure and properties of bulk Al _{0.5} CoCrFeNi high-entropy alloy by cold rolling and subsequent annealing. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 141-148.	2.6	74
23	High temperature tribological behavior of a Ti-46Al-2Cr-2Nb intermetallics. <i>Intermetallics</i> , 2012, 31, 120-126.	1.8	67
24	Texture evolution and dynamic recrystallization in a beta titanium alloy during hot-rolling process. <i>Journal of Alloys and Compounds</i> , 2015, 618, 146-152.	2.8	67
25	Effect of TiB ₂ on dry-sliding tribological properties of TiAl intermetallics. <i>Tribology International</i> , 2013, 62, 91-99.	3.0	66
26	Microstructure and mechanical property correlation and property optimization of a near β^2 titanium alloy Ti-7333. <i>Journal of Alloys and Compounds</i> , 2016, 682, 517-524.	2.8	66
27	Hydrogenation thermodynamics of melt-spun magnesium rich Mg-Ni nanocrystalline alloys with the addition of multiwalled carbon nanotubes and TiF ₃ . <i>Journal of Power Sources</i> , 2016, 306, 437-447.	4.0	66
28	Deformation characteristics of as-received Haynes230 nickel base superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 497, 283-289.	2.6	65
29	Deformation behavior of hot-rolled IN718 superalloy under plane strain compression at elevated temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 606, 24-30.	2.6	65
30	Flow characteristics and constitutive modeling for elevated temperature deformation of a high Nb containing TiAl alloy. <i>Intermetallics</i> , 2014, 49, 23-28.	1.8	65
31	The effect of M ₂₃ C ₆ carbides on the formation of grain boundary serrations in a wrought Ni-based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 536, 37-44.	2.6	64
32	Atomic and electronic basis for the serrations of refractory high-entropy alloys. <i>Npj Computational Materials</i> , 2017, 3, .	3.5	64
33	Hot forging design and microstructure evolution of a high Nb containing TiAl alloy. <i>Intermetallics</i> , 2015, 58, 7-14.	1.8	62
34	Microstructure control of Ti 45Al 8.5Nb (W, B, Y) alloy during the solidification process. <i>Acta Materialia</i> , 2016, 112, 121-131.	3.8	62
35	The characteristics of serration in Al _{0.5} CoCrFeNi high entropy alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 96-103.	2.6	62
36	Microstructure and hydrogen storage properties of Mg-Ni-Ce alloys with a long-period stacking ordered phase. <i>Journal of Power Sources</i> , 2017, 338, 91-102.	4.0	62

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37	Mg-Gd-Y system phase diagram calculation and experimental clarification. <i>Journal of Alloys and Compounds</i> , 2008, 450, 446-451.	2.8	61
38	Effect of thermal exposure on the stability of carbides in Ni-Cr-W based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 2339-2344.	2.6	61
39	Tribological Behavior of AlCoCrFeNi(Ti0.5) High Entropy Alloys under Oil and MACs Lubrication. <i>Journal of Materials Science and Technology</i> , 2016, 32, 470-476.	5.6	61
40	The FCC to BCC phase transformation kinetics in an Al _{0.5} CoCrFeNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2017, 710, 144-150.	2.8	59
41	Effect of strain rate on compressive behavior of Ti-based bulk metallic glass at room temperature. <i>Journal of Alloys and Compounds</i> , 2009, 472, 214-218.	2.8	57
42	Mechanical properties of porous titanium with different distributions of pore size. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 2317-2322.	1.7	57
43	Microstructure and mechanical properties of non-equilibrium solidified CoCrFeNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2018, 210, 192-196.	2.0	57
44	Interfacial in-situ Al ₂ O ₃ nanoparticles enhance load transfer in carbon nanotube (CNT)-reinforced aluminum matrix composites. <i>Journal of Alloys and Compounds</i> , 2019, 789, 25-29.	2.8	57
45	Understanding the role of carbon atoms on microstructure and phase transformation of high Nb containing TiAl alloys. <i>Materials Characterization</i> , 2017, 124, 1-7.	1.9	55
46	Tensile properties and fracture behavior of in-situ synthesized Ti ₂ AlN/Ti ₄₈ Al ₂ Cr ₂ Nb composites at room and elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 679, 7-13.	2.6	55
47	A multivariate relationship for the impact sensitivities of energetic N-nitrocompounds based on bond dissociation energy. <i>Journal of Hazardous Materials</i> , 2010, 174, 728-733.	6.5	53
48	Evolution of the secondary β phase morphologies during isothermal heat treatment in Ti-7333 alloy. <i>Journal of Alloys and Compounds</i> , 2013, 577, 516-522.	2.8	53
49	Hydrogen desorption performance of high-energy ball milled Mg ₂ NiH ₄ catalyzed by multi-walled carbon nanotubes coupling with TiF ₃ . <i>International Journal of Hydrogen Energy</i> , 2014, 39, 19672-19681.	3.8	51
50	Nanophase precipitation and strengthening in a dual-phase Al _{0.5} CoCrFeNi high-entropy alloy. <i>Journal of Materials Science and Technology</i> , 2021, 72, 1-7.	5.6	51
51	Microstructure and Tribological Properties of AlCoCrFeNiTi _{0.5} High-Entropy Alloy in Hydrogen Peroxide Solution. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 201-207.	1.1	49
52	Microstructure and abrasive wear characteristics of in situ vanadium carbide particulate-reinforced iron matrix composites. <i>Materials & Design</i> , 2014, 54, 564-569.	5.1	49
53	Phase transformation in TC21 alloy during continuous heating. <i>Journal of Alloys and Compounds</i> , 2009, 472, 252-256.	2.8	48
54	Experiments and crystal plasticity finite element simulations of nanoindentation on Ti-6Al-4V alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 625, 28-35.	2.6	47

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55	Grain refinement of superalloy K4169 by addition of refiners: cast structure and refinement mechanisms. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 394, 1-8.	2.6	46
56	An experimental study on the mechanism of texture evolution during hot-rolling process in a β^2 titanium alloy. <i>Journal of Alloys and Compounds</i> , 2014, 603, 23-27.	2.8	46
57	Local lattice distortion mediated formation of stacking faults in Mg alloys. <i>Acta Materialia</i> , 2019, 170, 231-239.	3.8	45
58	Diffusion Research in BCC Ti-Al-Mo Ternary Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 1647-1652.	1.1	44
59	Superplastic deformation mechanisms of high Nb containing TiAl alloy with $(\beta^2 + \beta^3)$ microstructure. <i>Intermetallics</i> , 2016, 75, 62-71.	1.8	44
60	A quantitative relationship for the shock sensitivities of energetic compounds based on $X \in \{NO_2 (X=C), Tj ETQq0 0 0 rgBT / Overlock 10$	8.9	43
61	Microstructure and hydrogenation thermokinetics of ZrTi _{0.2} V _{1.8} alloy. <i>International Journal of Hydrogen Energy</i> , 2010, 35, 11981-11985.	3.8	43
62	Hydrogen absorption properties of Zr(V _{1-x} Fe _x) ₂ intermetallic compounds. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 2328-2335.	3.8	42
63	Dependence of mechanical properties on the microstructure characteristics of a near β^2 titanium alloy Ti-7333. <i>Journal of Materials Science and Technology</i> , 2019, 35, 48-54.	5.6	41
64	Improved tensile properties of Al _{0.5} CoCrFeNi high-entropy alloy by tailoring microstructures. <i>Rare Metals</i> , 2021, 40, 1-6.	3.6	41
65	Static recrystallization simulations by coupling cellular automata and crystal plasticity finite element method using a physically based model for nucleation. <i>Journal of Materials Science</i> , 2014, 49, 3253-3267.	1.7	40
66	De/hydrogenation kinetics against air exposure and microstructure evolution during hydrogen absorption/desorption of Mg-Ni-Ce alloys. <i>Renewable Energy</i> , 2017, 113, 1399-1407.	4.3	40
67	Microstructural characteristics and dynamic recrystallization behavior of β^2 - β^3 TiAl based alloy during high temperature deformation. <i>Intermetallics</i> , 2018, 97, 52-57.	1.8	40
68	Atomic and electronic basis for solutes strengthened (010) anti-phase boundary of L1 ₂ Co ₃ (Al, TM): A comprehensive first-principles study. <i>Acta Materialia</i> , 2018, 145, 30-40.	3.8	40
69	Tribological behavior of AlCoCrCuFeNi and AlCoCrFeNiTi _{0.5} high entropy alloys under hydrogen peroxide solution against different counterparts. <i>Tribology International</i> , 2015, 92, 203-210.	3.0	39
70	Cellular automata modeling of static recrystallization based on the curvature driven subgrain growth mechanism. <i>Journal of Materials Science</i> , 2013, 48, 7142-7152.	1.7	37
71	Influence of nitrogen on the microstructure and solidification behavior of high Nb containing TiAl alloys. <i>Materials and Design</i> , 2016, 103, 100-105.	3.3	37
72	Characterization of the elevated temperature compressive deformation behavior of high Nb containing TiAl alloys with two microstructures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 725, 466-478.	2.6	37

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73	Hot working characteristic of as-cast and homogenized Ni-Cr-W superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 508, 141-147.	2.6	36
74	On the poisoning effect of O ₂ and N ₂ for the Zr _{0.9} Ti _{0.1} V ₂ hydrogen storage alloy. <i>Journal of Power Sources</i> , 2012, 202, 217-224.	4.0	36
75	Microstructure and hydrogen storage properties of non-stoichiometric Zr-Ti-V Laves phase alloys. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 14675-14684.	3.8	36
76	Microstructure and tailoring hydrogenation performance of Y-doped Mg ₂ Ni alloys. <i>Journal of Power Sources</i> , 2014, 245, 808-815.	4.0	36
77	Study on the formation mechanism of β lamellae in a near β titanium alloy. <i>Progress in Natural Science: Materials International</i> , 2016, 26, 385-390.	1.8	36
78	Microstructural evolution and FCC twinning behavior during hot deformation of high temperature titanium alloy Ti65. <i>Journal of Materials Science and Technology</i> , 2020, 49, 56-69.	5.6	36
79	Influence of solution temperature on phase transformation of TC21 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 508, 76-82.	2.6	35
80	Crystallization kinetics of Cu ₃₈ Zr ₄₆ Ag ₈ Al ₈ bulk metallic glass in different heating conditions. <i>Journal of Non-Crystalline Solids</i> , 2014, 404, 7-12.	1.5	35
81	Mechanical properties and pore structure deformation behaviour of biomedical porous titanium. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 1543-1550.	1.7	35
82	Characteristics of a hot-rolled near β titanium alloy Ti-7333. <i>Materials Characterization</i> , 2017, 129, 135-142.	1.9	35
83	Microstructure evolution and mechanical properties of diffusion bonding high Nb containing TiAl alloy to Ti ₂ AlNb alloy. <i>Vacuum</i> , 2019, 164, 140-148.	1.6	34
84	Effect of strong magnetic field on the microstructure and mechanical-magnetic properties of AlCoCrFeNi high-entropy alloy. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153407.	2.8	34
85	Hydrogenation thermokinetics and activation behavior of non-stoichiometric Zr-based Laves alloys with enhanced hydrogen storage capacity. <i>Journal of Alloys and Compounds</i> , 2017, 694, 300-308.	2.8	33
86	β -Assisted refinement of α phase and its effect on the tensile properties of a near β titanium alloy. <i>Journal of Materials Science and Technology</i> , 2020, 44, 24-30.	5.6	33
87	Precipitation of α phase and its morphological evolution during continuous heating in a near β titanium alloy Ti-7333. <i>Materials Characterization</i> , 2017, 132, 199-204.	1.9	32
88	Correlation between imposed deformation and transformation lattice strain on α variant selection in a metastable β -Ti alloy under isothermal compression. <i>Acta Materialia</i> , 2018, 161, 150-160.	3.8	32
89	Corrosive and tribological behaviors of AlCoCrFeNi-M high entropy alloys under 90 wt. % H ₂ O ₂ solution. <i>Tribology International</i> , 2019, 131, 24-32.	3.0	32
90	Phase precipitation behavior during isothermal deformation in β -quenched near beta titanium alloy Ti-7333. <i>Journal of Alloys and Compounds</i> , 2016, 671, 381-388.	2.8	31

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91	Diffusional mobility for fcc phase of Al-Mg-Zn system and its applications. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2008, 32, 602-607.	0.7	30
92	Microstructure and texture of commercially pure titanium in cold deep drawing. Transactions of Nonferrous Metals Society of China, 2012, 22, 496-502.	1.7	30
93	Elements segregation and phase precipitation behavior at grain boundary in a Ni-Cr-W based superalloy. Materials Characterization, 2016, 122, 189-196.	1.9	30
94	Liquid-phase separation in undercooled CoCrCuFeNi high entropy alloy. Intermetallics, 2017, 86, 110-115.	1.8	30
95	Crystallography and asymmetry of tensile and compressive stress-induced martensitic transformation in metastable β_2 titanium alloy Ti-7Mo-3Nb-3Cr-3Al. Journal of Alloys and Compounds, 2019, 809, 151762.	2.8	30
96	Microstructure and electrochemical hydrogenation/dehydrogenation performance of melt-spun La-doped Mg ₂ Ni alloys. Materials Characterization, 2015, 106, 163-174.	1.9	29
97	Strong work-hardening behavior induced by the solid solution strengthening of dendrites in TiZr-based bulk metallic glass matrix composites. Journal of Alloys and Compounds, 2015, 624, 9-16.	2.8	29
98	Grain boundary character correlated carbide precipitation and mechanical properties of Ni-20Cr-18W-1Mo superalloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 667, 391-401.	2.6	29
99	Phase transformation mechanisms in a quenched Ti-45Al-8.5Nb-0.2W-0.2B-0.02Y alloy after subsequent annealing at 800°C. Journal of Alloys and Compounds, 2017, 691, 60-66.	2.8	29
100	Revealing the local lattice strains and strengthening mechanisms of Ti alloys. Computational Materials Science, 2018, 152, 169-177.	1.4	29
101	Homogeneous deformation of Ti _{41.5} Cu _{37.5} Ni _{7.5} Zr _{2.5} Hf ₅ Sn ₅ Si ₁ bulk metallic glass in the supercooled liquid region. Intermetallics, 2011, 19, 48-53.	1.8	28
102	Tribological properties of Ti ₄₀ Zr ₂₅ Ni ₈ Cu ₉ Be ₁₈ bulk metallic glasses under different conditions. Materials & Design, 2011, 32, 4573-4579.	5.1	28
103	Kinetics of the β phase transformation of Ti-7333 titanium alloy during continuous heating. Journal of Materials Science, 2013, 48, 1966-1972.	1.7	28
104	Computational study of atomic mobility for bcc phase in Ti-Al-Fe system. Calphad: Computer Coupling of Phase Diagrams and Thermochemistry, 2014, 46, 205-212.	0.7	28
105	Strain-rate-dependent deformation behavior in a Ti-based bulk metallic glass composite upon dynamic deformation. Journal of Alloys and Compounds, 2015, 639, 131-138.	2.8	28
106	Hot deformation behavior originated from dislocation activity and β_2 to β_1 phase transformation in a metastable β_2 titanium alloy. International Journal of Plasticity, 2019, 119, 200-214.	4.1	28
107	Synthesis of 3 or 3,3'-substituted BINOL ligands and their application in the asymmetric addition of diethylzinc to aromatic aldehydes. Tetrahedron: Asymmetry, 2005, 16, 3667-3671.	1.8	27
108	Assessment of Atomic Mobilities for bcc Phase of Ti-Al-V System. Journal of Phase Equilibria and Diffusion, 2010, 31, 135-143.	0.5	27

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109	Non-isothermal phase transformation kinetics of β phase in TB-13 titanium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 5100-5104.	2.6	27
110	Kinetics of orthorhombic martensite decomposition in TC21 alloy under isothermal conditions. <i>Journal of Materials Science</i> , 2012, 47, 521-529.	1.7	27
111	Role of Ni addition on hydrogen storage characteristics of ZrV ₂ Laves phase compounds. <i>International Journal of Hydrogen Energy</i> , 2016, 41, 10391-10404.	3.8	27
112	Liquid-liquid structure transition and nucleation in undercooled Co-B eutectic alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	27
113	Texture evolution and the recrystallization behavior in a near β^2 titanium alloy Ti-7333 during the hot-rolling process. <i>Materials Characterization</i> , 2020, 159, 109999.	1.9	27
114	Assessment of diffusion mobility for the bcc phase of the Ti-Al-Cr system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2011, 35, 384-390.	0.7	26
115	Deformation behavior of a Ti-based bulk metallic glass composite with excellent cryogenic mechanical properties. <i>Materials & Design</i> , 2014, 53, 737-740.	5.1	26
116	Hot Deformation Behavior of As-Cast and Homogenized Al _{0.5} CoCrFeNi High Entropy Alloys. <i>Metals</i> , 2016, 6, 277.	1.0	26
117	Role of milling time and Ni content on dehydrogenation behavior of MgH ₂ /Ni composite. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 569-577.	1.7	26
118	Effect of β^2/β phase on cavitation behavior during superplastic deformation of TiAl alloys. <i>Journal of Alloys and Compounds</i> , 2017, 693, 749-759.	2.8	26
119	Dynamic recrystallization behavior of the Ti-48Al-2Cr-2Nb alloy during isothermal hot deformation. <i>Progress in Natural Science: Materials International</i> , 2019, 29, 587-594.	1.8	26
120	Compressive deformation behaviors of tungsten fiber reinforced Zr-based metallic glass composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 486, 308-312.	2.6	25
121	Role of defect structure on hydrogenation properties of Zr _{0.9} Ti _{0.1} V ₂ alloy. <i>International Journal of Hydrogen Energy</i> , 2011, 36, 9318-9323.	3.8	25
122	Tribological behavior of CNTs-Cu and graphite-Cu composites with electric current. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 78-84.	1.7	25
123	Hydrogen storage properties of non-stoichiometric Zr _{0.9} Ti _{0.1} V ₂ melt-spun ribbons. <i>Energy</i> , 2016, 114, 1147-1154.	4.5	25
124	Precipitation behavior of β^2 phase during aging treatment in a β^2 -quenched Ti-7333. <i>Materials Characterization</i> , 2018, 140, 275-280.	1.9	25
125	Evolution of microstructure and hardness in a dual-phase Al _{0.5} CoCrFeNi high-entropy alloy with different grain sizes. <i>Rare Metals</i> , 2020, 39, 156-161.	3.6	25
126	Enhanced hydrogen absorption kinetics by introducing fine eutectic and long-period stacking ordered structure in ternary eutectic Mg-Ni-Y alloy. <i>Journal of Alloys and Compounds</i> , 2020, 820, 153187.	2.8	25

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127	Enhancing mechanical properties of Al _{0.25} CoCrFeNi high-entropy alloy via cold rolling and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154645.	2.8	25
128	Effects of Ti and Cu on the Microstructure Evolution of AlCoCrFeNi High-Entropy Alloy During Heat Treatment. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1077-1090.	1.5	25
129	Deformation and recrystallization textures in straight-rolled and pseudo cross-rolled AA 3105 aluminum alloy. <i>Journal of Alloys and Compounds</i> , 2010, 491, 301-307.	2.8	24
130	On the amorphization behavior and hydrogenation performance of high-energy ball-milled Mg ₂ Ni alloys. <i>Materials Characterization</i> , 2013, 80, 21-27.	1.9	24
131	General features of high temperature deformation kinetics for $\hat{1}^3$ -TiAl-based alloys with DP/NG microstructures: Part I. A survey of mechanical data and development of unified rate-equations. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 678, 389-401.	2.6	24
132	Fully Recrystallized Al _{0.5} CoCrFeNi High-Entropy Alloy Strengthened by Nanoscale Precipitates. <i>Metals and Materials International</i> , 2019, 25, 1145-1150.	1.8	24
133	Influence of high magnetic field on the liquid-liquid phase separation behavior of an undercooled Cu-Co immiscible alloy. <i>Journal of Alloys and Compounds</i> , 2020, 842, 155502.	2.8	24
134	The microstructures and superconducting properties of MgB ₂ bulks prepared by a high-energy milling method. <i>Physica C: Superconductivity and Its Applications</i> , 2007, 467, 38-42.	0.6	23
135	Precipitation behavior and strengthening-toughening mechanism of hot rolled sheet of Ti65 titanium alloy during aging process. <i>Journal of Alloys and Compounds</i> , 2020, 831, 154786.	2.8	23
136	Anab initio study of intermolecular interactions of nitromethane dimer and nitromethane trimer. <i>Journal of Computational Chemistry</i> , 2003, 24, 345-352.	1.5	22
137	Synthesis and application of 3-substituted (<i>S</i>)-BINOL as chiral ligands for the asymmetric ethylation of aldehydes. <i>Chirality</i> , 2010, 22, 820-826.	1.3	22
138	Electrochemical corrosion properties of Zr- and Ti-based bulk metallic glasses. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 552-557.	1.7	22
139	Effect of electrical current on tribological property of Cu matrix composite reinforced by carbon nanotubes. <i>Transactions of Nonferrous Metals Society of China</i> , 2011, 21, 2237-2241.	1.7	22
140	Stress induced deformation in the solidification of undercooled Co ₈₀ Pd ₂₀ alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 973-977.	2.6	22
141	$\hat{1}^2$ phase transformation kinetics in Ti60 alloy during continuous cooling. <i>Journal of Alloys and Compounds</i> , 2013, 576, 108-113.	2.8	22
142	Characteristics of metadynamic recrystallization of a high Nb containing TiAl alloy. <i>Materials Letters</i> , 2013, 92, 430-432.	1.3	22
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