

# Jun Wang

## List of Publications by Year in descending order

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139  
papers

3,866  
citations

186265

28  
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149698

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140  
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140  
docs citations

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times ranked

2641  
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneous precipitation behavior and stacking-fault-mediated deformation in a CoCrNi-based medium-entropy alloy. <i>Acta Materialia</i> , 2017, 138, 72-82.	7.9	553
2	Outstanding tensile properties of a precipitation-strengthened FeCoNiCrTi0.2 high-entropy alloy at room and cryogenic temperatures. <i>Acta Materialia</i> , 2019, 165, 228-240.	7.9	373
3	Pure-Shuffle Nucleation of Deformation Twins in Hexagonal-Close-Packed Metals. <i>Materials Research Letters</i> , 2013, 1, 126-132.	8.7	181
4	Strengthening of nanoprecipitations in an annealed Al0.5CoCrFeNi high entropy alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 671, 82-86.	5.6	158
5	Obligatory and facilitative allelic variation in the DNA methylome within common disease-associated loci. <i>Nature Communications</i> , 2018, 9, 8.	12.8	107
6	Characterization of BCC phases in AlCoCrFeNiTi <sub>x</sub> high entropy alloys. <i>Materials Letters</i> , 2015, 138, 78-80.	2.6	103
7	Enhanced mechanical properties of a CoCrFeNi high entropy alloy by supercooling method. <i>Materials and Design</i> , 2016, 95, 183-187.	7.0	99
8	Integrating data mining and machine learning to discover high-strength ductile titanium alloys. <i>Acta Materialia</i> , 2021, 202, 211-221.	7.9	85
9	Microstructure and properties of bulk Al0.5CoCrFeNi high-entropy alloy by cold rolling and subsequent annealing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 729, 141-148.	5.6	74
10	Effect of a weak transverse magnetic field on solidification structure during directional solidification. <i>Acta Materialia</i> , 2014, 64, 367-381.	7.9	67
11	Anomalous structural dynamics in liquid Al80Cu20: An ab initio molecular dynamics study. <i>Acta Materialia</i> , 2015, 97, 75-85.	7.9	62
12	The characteristics of serration in Al0.5CoCrFeNi high entropy alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 702, 96-103.	5.6	62
13	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.	10.7	61
14	Size-dependent role of S phase in pitting initiation of 2024Al alloy. <i>Corrosion Science</i> , 2016, 105, 183-189.	6.6	60
15	Multiple twins of a decagonal approximant embedded in S-Al2CuMg phase resulting in pitting initiation of a 2024Al alloy. <i>Acta Materialia</i> , 2015, 82, 22-31.	7.9	59
16	The FCC to BCC phase transformation kinetics in an Al0.5CoCrFeNi high entropy alloy. <i>Journal of Alloys and Compounds</i> , 2017, 710, 144-150.	5.5	59
17	Microstructure and mechanical properties of non-equilibrium solidified CoCrFeNi high entropy alloy. <i>Materials Chemistry and Physics</i> , 2018, 210, 192-196.	4.0	57
18	Seaweed eutectic-dendritic solidification pattern in a CoCrFeNiMnPd eutectic high-entropy alloy. <i>Intermetallics</i> , 2017, 85, 74-79.	3.9	55

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19	Nanophase precipitation and strengthening in a dual-phase Al <sub>0.5</sub> CoCrFeNi high-entropy alloy. <i>Journal of Materials Science and Technology</i> , 2021, 72, 1-7.	10.7	51
20	Microstructure and Tribological Properties of AlCoCrFeNiTi <sub>0.5</sub> High-Entropy Alloy in Hydrogen Peroxide Solution. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014, 45, 201-207.	2.2	49
21	Microstructure characterization of CoCrFeNiMnPd eutectic high-entropy alloys. <i>Journal of Alloys and Compounds</i> , 2018, 731, 600-611.	5.5	49
22	Local lattice distortion mediated formation of stacking faults in Mg alloys. <i>Acta Materialia</i> , 2019, 170, 231-239.	7.9	45
23	Tribological behavior of AlCoCrCuFeNi and AlCoCrFeNiTi <sub>0.5</sub> high entropy alloys under hydrogen peroxide solution against different counterparts. <i>Tribology International</i> , 2015, 92, 203-210.	5.9	39
24	Crystallization kinetics of Cu <sub>38</sub> Zr <sub>46</sub> Ag <sub>8</sub> Al <sub>8</sub> bulk metallic glass in different heating conditions. <i>Journal of Non-Crystalline Solids</i> , 2014, 404, 7-12.	3.1	35
25	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.	5.5	34
26	Tailoring mechanical and magnetic properties of AlCoCrFeNi high-entropy alloy via phase transformation. <i>Journal of Materials Science and Technology</i> , 2021, 73, 83-90.	10.7	34
27	Corrosive and tribological behaviors of AlCoCrFeNi-M high entropy alloys under 90% wt. % H <sub>2</sub> O <sub>2</sub> solution. <i>Tribology International</i> , 2019, 131, 24-32.	5.9	32
28	Liquid-phase separation in undercooled CoCrCuFeNi high entropy alloy. <i>Intermetallics</i> , 2017, 86, 110-115.	3.9	30
29	Strain-rate-dependent deformation behavior in a Ti-based bulk metallic glass composite upon dynamic deformation. <i>Journal of Alloys and Compounds</i> , 2015, 639, 131-138.	5.5	28
30	Liquid-liquid structure transition and nucleation in undercooled Co-B eutectic alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	2.3	27
31	Microstructure and Mechanical Properties of CoCrFeMnNiSn <sub>x</sub> High-Entropy Alloys. <i>Metals and Materials International</i> , 2020, 26, 292-301.	3.4	27
32	Optimizing mechanical and magnetic properties of AlCoCrFeNi high-entropy alloy via FCC to BCC phase transformation. <i>Journal of Materials Science and Technology</i> , 2021, 86, 117-126.	10.7	27
33	Deformation behavior of a Ti-based bulk metallic glass composite with excellent cryogenic mechanical properties. <i>Materials &amp; Design</i> , 2014, 53, 737-740.	5.1	26
34	Hot Deformation Behavior of As-Cast and Homogenized Al <sub>0.5</sub> CoCrFeNi High Entropy Alloys. <i>Metals</i> , 2016, 6, 277.	2.3	26
35	Evolution of microstructure and hardness in a dual-phase Al <sub>0.5</sub> CoCrFeNi high-entropy alloy with different grain sizes. <i>Rare Metals</i> , 2020, 39, 156-161.	7.1	25
36	Enhancing mechanical properties of Al <sub>0.25</sub> CoCrFeNi high-entropy alloy via cold rolling and subsequent annealing. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154645.	5.5	25

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37	Fully Recrystallized Al <sub>0.5</sub> CoCrFeNi High-Entropy Alloy Strengthened by Nanoscale Precipitates. <i>Metals and Materials International</i> , 2019, 25, 1145-1150.	3.4	24
38	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.	5.5	24
39	Temperature dependent deformation mechanisms of Al <sub>0.3</sub> CoCrFeNi high-entropy alloy, starting from serrated flow behavior. <i>Journal of Alloys and Compounds</i> , 2018, 757, 39-43.	5.5	22
40	Nucleation of supercooled Co melts under a high magnetic field. <i>Materials Chemistry and Physics</i> , 2019, 225, 133-136.	4.0	22
41	On discussion of the applicability of local Avrami exponent: Errors and solutions. <i>Materials Letters</i> , 2009, 63, 1153-1155.	2.6	20
42	Determination of kinetic parameters during isochronal crystallization of Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>8</sub> Cu <sub>9</sub> Be <sub>18</sub> metallic glass. <i>Journal of Alloys and Compounds</i> , 2009, 479, 835-839.	5.5	20
43	Experimental platform for solidification and <i>in-situ</i> magnetization measurement of undercooled melt under strong magnetic field. <i>Review of Scientific Instruments</i> , 2015, 86, 025102.	1.3	19
44	Strain rate response of a Ti-based metallic glass composite at cryogenic temperature. <i>Materials Letters</i> , 2014, 117, 228-230.	2.6	18
45	Rheological behavior of Cu-Zr-based metallic glass in the supercooled liquid region. <i>Journal of Alloys and Compounds</i> , 2014, 592, 189-195.	5.5	18
46	Magnetic field enhanced phase precipitation in an undercooled Co-Sn alloy. <i>Materials Letters</i> , 2015, 139, 288-291.	2.6	18
47	Tensile deformation mechanisms of an in-situ Ti-based metallic glass matrix composite at cryogenic temperature. <i>Scientific Reports</i> , 2016, 6, 32287.	3.3	18
48	Strong magnetic field effect on the nucleation of a highly undercooled Co-Sn melt. <i>Scientific Reports</i> , 2017, 7, 4958.	3.3	18
49	Coupling effects of high magnetic field and annealing on the microstructure evolution and mechanical properties of additive manufactured Ti <sub>6</sub> Al <sub>4</sub> V. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 824, 141815.	5.6	18
50	Dendrite size dependence of mechanical properties of in-situ Ti-based bulk metallic glass matrix composites. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 704, 77-81.	5.6	17
51	Insight into solid-solution strengthened bulk and stacking faults properties in Ti alloys: a comprehensive first-principles study. <i>Journal of Materials Science</i> , 2018, 53, 7493-7505.	3.7	17
52	Hot Deformation and Subsequent Annealing on the Microstructure and Hardness of an Al <sub>0.3</sub> CoCrFeNi High-entropy Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1527-1536.	2.9	17
53	An integral fitting method for analyzing the isochronal transformation kinetics: Application to the crystallization of a Ti-based amorphous alloy. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 1448-1453.	4.0	16
54	Anomalous magnetism and normal field instability in supercooled liquid cobalt. <i>Applied Physics Letters</i> , 2014, 105, 144101.	3.3	16

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55	Formation of a hexagonal closed-packed phase in Al <sub>0.5</sub> CoCrFeNi high entropy alloy. MRS Communications, 2017, 7, 879-884.	1.8	16
56	When a defect is a pathway to improve stability: a case study of the L1 <sub>2</sub> Co <sub>3</sub> TM superlattice intrinsic stacking fault. Journal of Materials Science, 2019, 54, 13609-13618.	3.7	16
57	Phase Separation and Microstructure Evolution of Zr <sub>48</sub> Cu <sub>36</sub> Ag <sub>8</sub> Al <sub>8</sub> Bulk Metallic Glass in the Supercooled Liquid Region. Rare Metal Materials and Engineering, 2016, 45, 567-570.	0.8	15
58	Numerical Simulation and Process Optimization of Vacuum Investment Casting for Be-Al Alloys. International Journal of Metalcasting, 2019, 13, 74-81.	1.9	15
59	Liquid-liquid structure transition in metallic melt and its impact on solidification: A review. Transactions of Nonferrous Metals Society of China, 2020, 30, 2293-2310.	4.2	15
60	Revealing foundations of the intergranular corrosion of 5XXX and 6XXX Al alloys. Materials Letters, 2020, 271, 127767.	2.6	15
61	Electronic structures and properties of TiAl/Ti <sub>2</sub> AlNb heterogeneous interfaces: A comprehensive first-principles study. Intermetallics, 2021, 133, 107173.	3.9	15
62	Tensile properties and deformation micromechanism of Ti-based metallic glass composite containing impurity elements. Journal of Alloys and Compounds, 2019, 784, 220-230.	5.5	14
63	High-throughput investigations of configurational-transformation-dominated serrations in CuZr/Cu nanolaminates. Journal of Materials Science and Technology, 2020, 53, 192-199.	10.7	14
64	Tailoring the microstructure, magnetic properties and interaction mechanisms of Alnico-Ta alloys by magnetic field treatment. Journal of Alloys and Compounds, 2021, 857, 157586.	5.5	14
65	Kinetic analysis of the isochronal crystallization of Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>8</sub> Cu <sub>9</sub> Be <sub>18</sub> metallic glass. Journal of Non-Crystalline Solids, 2009, 355, 420-424.	3.1	13
66	Deformation behavior of a Ti-based bulk metallic glass composite in the supercooled liquid region. Materials and Design, 2016, 90, 595-600.	7.0	13
67	Effect of liquid-liquid structure transition on the nucleation in undercooled Co-Sn eutectic alloy. Materials Chemistry and Physics, 2016, 170, 261-265.	4.0	13
68	Tune the mechanical properties of Ti-based metallic glass composites by additions of nitrogen. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 694, 93-97.	5.6	13
69	Effect of Cold Rolling on the Phase Transformation Kinetics of an Al <sub>0.5</sub> CoCrFeNi High-Entropy Alloy. Entropy, 2018, 20, 917.	2.2	13
70	Influence of oxygen on microstructure and phase transformation in high Nb containing TiAl alloys. Materials Letters, 2012, 83, 198-201.	2.6	12
71	Overheating dependent undercooling in a hypoeutectic Co-B alloy. Materials Chemistry and Physics, 2015, 149-150, 17-20.	4.0	12
72	Quasi-static and dynamic deformation of an in-situ Ti-based metallic glass composite in supercooled liquid region. Journal of Alloys and Compounds, 2016, 679, 239-246.	5.5	12

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73	Magnetic-field-induced chain-like assemblies of the primary phase during non-equilibrium solidification of a Co-B eutectic alloy: Experiments and modeling. <i>Journal of Alloys and Compounds</i> , 2020, 815, 152446.	5.5	12
74	Reexaminations of the effects of magnetic field on the nucleation of undercooled Cu melt. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 105601.	1.5	11
75	Diffusion Bonding between Zr-Based Metallic Glass and Copper. <i>Rare Metal Materials and Engineering</i> , 2016, 45, 42-45.	0.8	11
76	Liquid-liquid phase separation in immiscible Cu-Co alloy. <i>Materials Letters</i> , 2020, 268, 127585.	2.6	11
77	Microstructure evolution of peritectic Al-18 at.% Ni alloy directionally solidified in high magnetic fields. <i>Journal of Materials Science and Technology</i> , 2021, 76, 51-59.	10.7	11
78	Effect of high magnetic field assisted heat treatment on microstructure and properties of AlCoCrCuFeNi high-entropy alloy. <i>Materials Letters</i> , 2021, 303, 130540.	2.6	11
79	Microstructure, phase and microhardness distribution of laser-deposited Ni-based amorphous coating. <i>International Journal of Surface Science and Engineering</i> , 2010, 4, 296.	0.4	10
80	Evidence for the structure transition in a liquid Co-Sn alloy by in-situ magnetization measurement. <i>Materials Letters</i> , 2015, 145, 261-263.	2.6	10
81	Enhanced mechanical properties of Ti-based metallic glass composites prepared under medium vacuum system. <i>Journal of Non-Crystalline Solids</i> , 2015, 413, 15-19.	3.1	10
82	The Effect of Thermal Cycling Treatments on the Thermal Stability and Mechanical Properties of a Ti-Based Bulk Metallic Glass Composite. <i>Metals</i> , 2016, 6, 274.	2.3	10
83	Temperature-induced structure transition in a liquid Co-B eutectic alloy. <i>Materials Letters</i> , 2019, 234, 351-353.	2.6	10
84	Microstructure and properties of AlCoCrCuFeNi high-entropy alloy solidified under high magnetic field. <i>Materials Letters</i> , 2021, 285, 129182.	2.6	10
85	Crystallization and compressive behaviors of Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>8</sub> Cu <sub>9</sub> Be <sub>18</sub> BMG cast from different liquid states. <i>Intermetallics</i> , 2012, 28, 45-50.	3.9	9
86	Microstructure Evolution of a Ti-Based Bulk Metallic Glass Composite During Deformation. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 748-753.	2.5	9
87	Instability Pattern Formation in a Liquid Metal under High Magnetic Fields. <i>Scientific Reports</i> , 2017, 7, 2248.	3.3	9
88	Transition from hypereutectic to hypoeutectic for rapid solidification in an undercooled Co-B alloy. <i>Journal of Crystal Growth</i> , 2018, 499, 98-105.	1.5	9
89	Effect of Solidification on Microstructure and Properties of FeCoNi(AlSi) <sub>0.2</sub> High-Entropy Alloy Under Strong Static Magnetic Field. <i>Entropy</i> , 2018, 20, 275.	2.2	9
90	The effect of high magnetic field on the microstructure evolution of a Cu-Co alloy during non-equilibrium solidification. <i>Journal of Crystal Growth</i> , 2019, 515, 78-82.	1.5	9

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91	Deformation behaviors of a Ti-based bulk metallic glass composite in the dendrite softening region. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 653, 1-7.	5.6	8
92	A novel strategy for enhancing mechanical performance of Al <sub>0.5</sub> CoCrFeNi high-entropy alloy via high magnetic field. <i>Materials Letters</i> , 2019, 240, 250-252.	2.6	8
93	Composition dependent characteristic transition temperatures of Co-B melts. <i>Journal of Non-Crystalline Solids</i> , 2019, 522, 119583.	3.1	8
94	Interstitial triggered grain boundary embrittlement of Al-X (X = H, N and O). <i>Computational Materials Science</i> , 2019, 163, 241-247.	3.0	8
95	Thermal-Mechanical Processing and Strengthen in Al <sub>x</sub> CoCrFeNi High-Entropy Alloys. <i>Frontiers in Materials</i> , 2021, 7, .	2.4	8
96	Local orders, lattice distortions, and electronic structure dominated mechanical properties of (ZrHfTaM <sub>1</sub> M <sub>2</sub> )C (M = Nb, Ti, V). <i>Journal of the American Ceramic Society</i> , 2022, 105, 4260-4276.	3.8	8
97	Tailoring the magnetic properties and microstructure of Alnico 8 magnets by various Ti contents and processing conditions. <i>Intermetallics</i> , 2022, 143, 107486.	3.9	8
98	Interface characteristics of a Zr-based BMG/copper laminated composite. <i>Surface and Interface Analysis</i> , 2014, 46, 61-64.	1.8	7
99	Microstructure Evolution and Mechanical Properties of a Ti-Based Bulk Metallic Glass Composite. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 2354-2358.	2.5	7
100	Temperature dependent dynamic flow behavior of an in-situ Ti-based bulk metallic glass composite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 627, 21-26.	5.6	7
101	Numerical modeling and experiment of counter-gravity casting for titanium alloys. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 85, 1877-1885.	3.0	7
102	Dry-sliding tribological properties of AlCoCrFeNiTi <sub>0.5</sub> high-entropy alloy. <i>Rare Metals</i> , 2022, 41, 4266-4272.	7.1	7
103	Pitting Corrosion of Natural Aged Al-Mg-Si Extrusion Profile. <i>Materials</i> , 2019, 12, 1081.	2.9	7
104	Correlations between Shear Bands and Plasticity in Ti-Based Bulk Metallic Glass. <i>Rare Metal Materials and Engineering</i> , 2011, 40, 399-402.	0.8	6
105	A new microscopic coordinated deformation model of Ti-based bulk metallic composites during tensile deformation. <i>Scripta Materialia</i> , 2019, 172, 23-27.	5.2	6
106	Solidification of Immiscible Alloys under High Magnetic Field: A Review. <i>Metals</i> , 2021, 11, 525.	2.3	6
107	Effects of an ultra-high magnetic field up to 25 T on the phase transformations of undercooled Co-B eutectic alloy. <i>Journal of Materials Science and Technology</i> , 2021, 93, 79-88.	10.7	6
108	Lattice distortion-enhanced superlubricity of (Mo, X) <sub>2</sub> (X = Al, Ti, Cr and V) with moiré superlattice. <i>Nanoscale</i> , 2021, 13, 16234-16243.	5.6	6

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109	Formation of Stress-Induced Nano Defects in Shear Bands of Metallic Glasses. <i>Rare Metal Materials and Engineering</i> , 2010, 39, 941-944.	0.8	5
110	Thermal Stability and the Matrix Induced Brittleness in a Ti-based Bulk Metallic Glass Composite. <i>Materials Research</i> , 2015, 18, 83-88.	1.3	5
111	Correlation between diffusion and crystallization behaviors in Ni/Zr <sub>48</sub> Cu <sub>36</sub> Ag <sub>8</sub> Al <sub>8</sub> diffusion couple. <i>Journal of Non-Crystalline Solids</i> , 2015, 417-418, 34-38.	3.1	5
112	Effect of strong static magnetic field on the microstructure and transformation temperature of Co-Ni-Al ferromagnetic shape memory alloy. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 19491-19498.	2.2	5
113	Limitation of the Johnson-Mehl-Avrami equation for the kinetic analysis of crystallization in a Ti-based amorphous alloy. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2010, 17, 307-311.	4.9	4
114	Microstructure Changes in Zr-Based Metallic Glass Induced by Ion Milling. <i>Rare Metal Materials and Engineering</i> , 2010, 39, 1693-1696.	0.8	4
115	Structure transitions near liquidus and the nucleation of undercooled melt of Ni-Cr-W superalloy. <i>Physica B: Condensed Matter</i> , 2014, 454, 8-14.	2.7	4
116	Study on Structural Transformation Behavior of a Ti-Based Bulk Metallic Glass by Thermal Expansion Method. <i>Rare Metal Materials and Engineering</i> , 2014, 43, 1047-1050.	0.8	4
117	Phase Transformation Kinetics of a FCC Al <sub>0.25</sub> CoCrFeNi High-Entropy Alloy during Isochronal Heating. <i>Metals</i> , 2018, 8, 1015.	2.3	4
118	Effect of Mn Addition on the Microstructures and Mechanical Properties of CoCrFeNiPd High Entropy Alloy. <i>Entropy</i> , 2019, 21, 288.	2.2	4
119	Effect of long-term aging treatment on the tensile strength and ductility of GH 605 superalloy. <i>Progress in Natural Science: Materials International</i> , 2022, 32, 375-384.	4.4	4
120	Diffusion behavior of Ni in Zr <sub>48</sub> Cu <sub>36</sub> Ag <sub>8</sub> Al <sub>8</sub> bulk metallic glass within supercooled liquid region. <i>Transactions of Nonferrous Metals Society of China</i> , 2015, 25, 1171-1175.	4.2	3
121	Dynamic mechanical properties of a Ti-based metallic glass matrix composite. <i>Journal of Applied Physics</i> , 2015, 117, 155102.	2.5	3
122	Tribological Behavior of 1Cr18Ni9Ti Steel under Hydrogen Peroxide Solution against Different Ceramic Counterparts. <i>Rare Metal Materials and Engineering</i> , 2016, 45, 593-598.	0.8	3
123	The cryogenic mechanical property deviation of Ti-based bulk metallic glass composite induced by interstitial element. <i>Journal of Non-Crystalline Solids</i> , 2020, 542, 120105.	3.1	3
124	Effect of High Strain Rate on Adiabatic Shearing of $\beta+\beta'$ Dual-Phase Ti Alloy. <i>Materials</i> , 2021, 14, 2044.	2.9	3
125	Liquid state dependent solidification of a Co-B eutectic alloy under a high magnetic field. <i>Journal of Materials Science and Technology</i> , 2022, 116, 58-71.	10.7	3
126	Effect of the kinetic model on parameter distortions in non-isothermal transformations. <i>Journal of Alloys and Compounds</i> , 2009, 479, L22-L25.	5.5	2



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127	Deformation Micromechanisms of a Ti-Based Metallic Glass Composite with Excellent Mechanical Properties. <i>Materials Science Forum</i> , 0, 745-746, 809-814.	0.3	2
128	Revealing the Local Microstates of Fe-Mn-Al Medium Entropy Alloy: A Comprehensive First-principles Study. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 1492-1502.	2.9	2
129	Formation of core-shell structure in immiscible CoCrCuFe1.5Ni0.5 high-entropy alloy. <i>Materials Letters</i> , 2022, , 132452.	2.6	2
130	Enthalpy recovery and its effect on homogeneous flow stress during supercooled liquid region for Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>8</sub> Cu <sub>9</sub> Be <sub>18</sub> bulk metallic glass. <i>Journal of Non-Crystalline Solids</i> , 2011, 357, 3049-3052.	3.1	1
131	Diffusion Bonding of Fe-Based Amorphous Ribbon to Crystalline Cu. <i>Materials Science Forum</i> , 2013, 745-746, 788-792.	0.3	1
132	Relationship between grain boundary diffusion in nanocrystals and amorphous microstructure. <i>Surface and Interface Analysis</i> , 2016, 48, 1341-1344.	1.8	1
133	Soldering of Zr-based bulk metallic glass and copper by Au-12Ge eutectic alloy. <i>Rare Metals</i> , 2019, 38, 52-58.	7.1	1
134	Investigation of atomic diffusion at Ni/Zr 48 Cu 36 Ag 8 Al 8 interfaces in the glass transition temperature. <i>Surface and Interface Analysis</i> , 2021, 53, 135-139.	1.8	1
135	The Localized Corrosion and Stress Corrosion Cracking of a 6005A-T6 Extrusion Profile. <i>Materials</i> , 2021, 14, 4924.	2.9	1
136	The Nanocrystal and Its Thermal Stability in Ti <sub>40</sub> Zr <sub>25</sub> Ni <sub>8</sub> Cu <sub>9</sub> Be <sub>18</sub> Metallic Glass during Homogeneous Deformation. <i>Materials Science Forum</i> , 2011, 688, 431-436.	0.3	0
137	EFFECT OF HEATING TYPES ON THE UNDERCOOLED SOLIDIFICATION MICROSTRUCTURE OF Co <sub>76</sub> Sn <sub>24</sub> EUTECTIC ALLOY. , 2016, , 649-656.		0
138	Oxygen-Induced Mechanical Property Variations of Rapidly Solidified Ti-Based Bulk Metallic Composites. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 5793-5796.	2.5	0
139	Interactions Between TiAl Melt and Crucibles Material during Casting Process. , 2013, , 2669-2678.		0