Min Song

List of Publications by Year
in descending order

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270	8,057	50244	82499
papers	citations	46 h-index	72 g-index

272	272	272	5835
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Structural evolutions of metallic materials processed by severe plastic deformation. Materials Science and Engineering Reports, 2018, 133, 1-59.	14.8	401
2	Microstructure, mechanical and corrosion behaviors of AlCoCuFeNi-(Cr,Ti) high entropy alloys. Materials and Design, 2017, 116, 438-447.	3.3	167
3	Effects of particle size and distribution on the mechanical properties of SiC reinforced Alâ€“Cu alloy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 1131-1137.	2.6	159
4	BODIPY-based conjugated porous polymers for highly efficient volatile iodine capture. Journal of Materials Chemistry A, 2017, 5, 6622-6629.	5.2	159
5	Exploring the size effects of Al4C3 on the mechanical properties and thermal behaviors of Al-based composites reinforced by SiC and carbon nanotubes. Carbon, 2018, 135, 224-235.	5.4	147
6	Improving the mechanical properties of carbon nanotubes reinforced pure aluminum matrix composites by achieving non-equilibrium interface. Materials and Design, 2017, 120, 56-65.	3.3	142
7	Microstructures and mechanical properties of C-containing FeCoCrNi high-entropy alloy fabricated by selective laser melting. Intermetallics, 2018, 94, 165-171.	1.8	139
8	Highly Fluoro-Substituted Covalent Organic Framework and Its Application in Lithiumâ€“Sulfur Batteries. ACS Applied Materials & Interfaces, 2018, 10, 42233-42240.	4.0	127
9	Influence of high-temperature pre-precipitation on local corrosion behaviors of Alâ€“Znâ€“Mg alloy. Scripta Materialia, 2007, 56, 305-308.	2.6	122
10	Nanosized precipitates and dislocation networks reinforced C-containing CoCrFeNi high-entropy alloy fabricated by selective laser melting. Materials Characterization, 2018, 144, 605-610.	1.9	114
11	Effect of extrusion and particle volume fraction on the mechanical properties of SiC reinforced Alâ€“Cu alloy composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 6537-6542.	2.6	105
12	Large-scale synthesis and outstanding microwave absorption properties of carbon nanotubes coated by extremely small FeCo-C core-shell nanoparticles. Carbon, 2019, 153, 52-61.	5.4	104
13	Elastic modulus of phases in Tiâ€“Mo alloys. Materials Characterization, 2015, 106, 302-307.	1.9	103
14	Effects of carbon on the microstructures and mechanical properties of FeCoCrNiMn high entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 746, 356-362.	2.6	102
15	Annealing-induced abnormal hardening in a cold rolled CrMnFeCoNi high entropy alloy. Scripta Materialia, 2019, 162, 345-349.	2.6	99
16	Atomic-scale understanding of stress-induced phase transformation in cold-rolled Hf. Acta Materialia, 2017, 131, 271-279.	3.8	98
17	Effect of Particle Size on the Microstructures and Mechanical Properties of SiC-Reinforced Pure Aluminum Composites. Journal of Materials Engineering and Performance, 2011, 20, 1606-1612.	1.2	97
18	Effects of volume fraction of SiC particles on mechanical properties of SiC/Al composites. Transactions of Nonferrous Metals Society of China, 2009, 19, 1400-1404.	1.7	95

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19	Dynamic precipitation, microstructure and mechanical properties of Mg-5Zn-1Mn alloy sheets prepared by high strain-rate rolling. Materials and Design, 2016, 100, 58-66.	3.3	89
20	Deformation-induced crystalline-to-amorphous phase transformation in a CrMnFeCoNi high-entropy alloy. Science Advances, 2021, 7, .	4.7	89
21	Quantified contribution of Î²â€³ and Î²â€² precipitates to the strengthening of an aged Alâ€“Mgâ€“Si alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 774, 138776.	2.6	84
22	Microstructures and mechanical properties of carbon nanotubes reinforced pure aluminum composites synthesized by spark plasma sintering and hot rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 698, 282-288.	2.6	82
23	Enhanced mechanical properties of aluminum based composites reinforced by chemically oxidized carbon nanotubes. Carbon, 2018, 139, 459-471.	5.4	82
24	Effects of annealing on the hardness and elastic modulus of a Cu36Zr48Al8Ag8 bulk metallic glass. Materials & Design, 2013, 47, 706-710.	5.1	79
25	Powder metallurgical low-modulus Tiâ€“Mg alloys for biomedical applications. Materials Science and Engineering C, 2015, 56, 241-250.	3.8	79
26	Structure and Fieldâ€Emission Properties of Subâ€Micrometerâ€Sized Tungstenâ€Whisker Arrays Fabricated by Vapor Deposition. Advanced Materials, 2009, 21, 2387-2392.	11.1	77
27	Mechanisms for deformation induced hexagonal close-packed structure to face-centered cubic structure transformation in zirconium. Scripta Materialia, 2017, 132, 63-67.	2.6	73
28	Enhancement of strength and ductility by interfacial nano-decoration in carbon nanotube/aluminum matrix composites. Carbon, 2020, 159, 201-212.	5.4	73
29	Fabrication, microstructure and mechanical properties of Alâ€“Fe intermetallic particle reinforced Al-based composites. Journal of Alloys and Compounds, 2015, 618, 537-544.	2.8	68
30	Proposed mechanism of HCPâ€‰â†’â€‰FCC phase transition in titianium through first principles calculation and experiments. Scientific Reports, 2018, 8, 1992.	1.6	68
31	Exploiting the synergic strengthening effects of stacking faults in carbon nanotubes reinforced aluminum matrix composites for enhanced mechanical properties. Composites Part B: Engineering, 2021, 211, 108646.	5.9	65
32	Effects of Cu and Al on the crystal structure and composition of Î· (MgZn2) phase in over-aged Alâ€“Znâ€“Mgâ€“Cu alloys. Journal of Materials Science, 2012, 47, 5419-5427.	1.7	64
33	Fabrication of Tiâ€“Al3Ti coreâ€“shell structured particle reinforced Al based composite with promising mechanical properties. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 639, 269-273.	2.6	64
34	Atomistic structure of Cu-containing Î²â€³ precipitates in an Alâ€“Mgâ€“Siâ€“Cu alloy. Scripta Materialia, 2014, 75, 86-89.	2.6	63
35	Dual mechanisms of grain refinement in a FeCoCrNi high-entropy alloy processed by high-pressure torsion. Scientific Reports, 2017, 7, 46720.	1.6	63
36	Amorphization at twin-twin intersected region in FeCoCrNi high-entropy alloy subjected to high-pressure torsion. Materials Characterization, 2017, 127, 111-115.	1.9	62

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37	Facile synthesis of Fe/Fe3C-C core-shell nanoparticles as a high-efficiency microwave absorber. Applied Surface Science, 2019, 493, 1083-1089.	3.1	59
38	Nitrogen induced heterogeneous structures overcome strength-ductility trade-off in an additively manufactured high-entropy alloy. Applied Materials Today, 2020, 18, 100498.	2.3	59
39	Microstructures and mechanical properties of nano carbides reinforced CoCrFeMnNi high entropy alloys. Journal of Alloys and Compounds, 2019, 792, 170-179.	2.8	58
40	Modeling the hardness and yield strength evolutions of aluminum alloy with rod/needle-shaped precipitates. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 443, 172-177.	2.6	57
41	Synthesis of Tiâ€“Ta alloys with dual structure by incomplete diffusion between elemental powders. Journal of the Mechanical Behavior of Biomedical Materials, 2015, 51, 302-312.	1.5	57
42	Effects of particle size on the fracture toughness of SiCp/Al alloy metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 488, 601-607.	2.6	55
43	Regulating the strength and ductility of a cold rolled FeCrCoMnNi high-entropy alloy via annealing treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 755, 289-294.	2.6	54
44	Effects of selective laser melting build orientations on the microstructure and tensile performance of Tiâ€“6Alâ€“4V alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 776, 139001.	2.6	53
45	Ameliorated mechanical and thermal properties of SiC reinforced Al matrix composites through hybridizing carbon nanotubes. Materials Characterization, 2018, 136, 272-280.	1.9	51
46	Effect of VC and NbC additions on microstructure and properties of ultrafine WC-10Co cemented carbides. Transactions of Nonferrous Metals Society of China, 2009, 19, 1520-1525.	1.7	48
47	Precipitation sequence of an aged Al-Mg-Si alloy. Journal of Mining and Metallurgy, Section B: Metallurgy, 2010, 46, 171-180.	0.3	48
48	Plasmon Enhancement Effect in Au Gold Nanorods@Cu₂O Coreâ€“Shell Nanostructures and Their Use in Probing Defect States. Langmuir, 2015, 31, 1537-1546.	1.6	46
49	Dynamic recrystallization behaviors of high Mg alloyed Al-Mg alloy during high strain rate rolling deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 753, 59-69.	2.6	46
50	Shearing and rotation of Î²â€³ and Î²Ê¹ precipitates in an Al-Mg-Si alloy under tensile deformation: In-situ and ex-situ studies. Acta Materialia, 2021, 220, 117310.	3.8	46
51	Effects of Er on the microstructure and mechanical properties of an as-extruded Alâ€“Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2009, 504, 183-187.	2.6	44
52	Effects of Alloying Elements on Microstructure and Properties of Magnesium Alloys for Tripling Ball. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2015, 46, 4793-4803.	1.1	44
53	Effect of Fe on microstructure, phase evolution and mechanical properties of (AlCoCrFeNi)100-xFex high entropy alloys processed by spark plasma sintering. Intermetallics, 2018, 103, 1-11.	1.8	44
54	Effects of the enhanced heat treatment on the mechanical properties and stress corrosion behavior of an Alâ€“Znâ€“Mg alloy. Journal of Materials Science, 2008, 43, 5265-5273.	1.7	42

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55	Modeling the fracture toughness and tensile ductility of SiCp/Al metal matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 474, 371-375.	2.6	42
56	Hot deformation behavior and microstructural evolution of Ag-containing 2519 aluminum alloy. Materials & Design, 2010, 31, 2171-2176.	5.1	42
57	A coupled EBSD/TEM study of the microstructural evolution of multi-axial compressed pure Al and Alâ€“Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 658, 16-27.	2.6	42
58	Effects of cold rolling and subsequent annealing on the microstructure of a HfNbTaTiZr high-entropy alloy. Journal of Materials Research, 2016, 31, 3815-3823.	1.2	41
59	Quantitative measurement for the microstructural parameters of nano-precipitates in Al-Mg-Si-Cu alloys. Materials Characterization, 2016, 118, 352-362.	1.9	41
60	Effects of solid solution elements on damping capacities of binary magnesium alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 772, 138707.	2.6	39
61	In situ formed coreâ€“shell structured particle reinforced aluminum matrix composites. Materials & Design, 2014, 56, 405-408.	5.1	38
62	Effect of melting modes on microstructure and tribological properties of selective laser melted AlSi10Mg alloy. Virtual and Physical Prototyping, 2020, 15, 570-582.	5.3	38
63	High stress twinning in a compositionally complex steel of very high stacking fault energy. Nature Communications, 2022, 13, .	5.8	38
64	Effects of die-pressing pressure and extrusion on the microstructures and mechanical properties of SiC reinforced pure aluminum composites. Materials & Design, 2010, 31, 985-989.	5.1	37
65	Grain refinement and phase transition of commercial pure zirconium processed by cold rolling. Materials Characterization, 2017, 129, 149-155.	1.9	36
66	Effects of grain size on the microstructures and mechanical properties of 304 austenitic steel processed by torsional deformation. Micron, 2018, 105, 93-97.	1.1	36
67	Improving the mechanical properties of a ZM61 magnesium alloy by pre-rolling and high strain rate rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 478-484.	2.6	36
68	Synthesis and Morphology Evolution of Ultrahigh Content Nitrogenâ€Doped, Microporeâ€Dominated Carbon Materials as Highâ€Performance Supercapacitors. ChemSusChem, 2018, 11, 3932-3940.	3.6	36
69	Twinning via the motion of incoherent twin boundaries nucleated at grain boundaries in a nanocrystalline Cu alloy. Scripta Materialia, 2014, 72-73, 35-38.	2.6	35
70	Temperature-dependent chemical state of the nickel catalyst for the growth of carbon nanofibers. Carbon, 2016, 96, 904-910.	5.4	35
71	Texture, Microstructure and Mechanical Properties of 6111 Aluminum Alloy Subject to Rolling Deformation. Materials Research, 2017, 20, 1360-1368.	0.6	35
72	Three dimensional crystallographic orientation relationships for hexagonal close packed structure to face centered cubic structure transformation in pure titanium. Scripta Materialia, 2019, 169, 46-51.	2.6	35

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73	CALPHAD aided design of high entropy alloy to achieve high strength via precipitate strengthening. Science China Materials, 2020, 63, 288-299.	3.5	35
74	Effects of Zr Content on the Yield Strength of an Al-Sc Alloy. Journal of Materials Engineering and Performance, 2011, 20, 377-381.	1.2	34
75	Effects of Cu content on the precipitation process of Alâ€“Znâ€“Mg alloys. Journal of Materials Science, 2012, 47, 8174-8187.	1.7	34
76	Compositionally gradient Ti-Ta metal-metal composite with ultra-high strength. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 712, 386-393.	2.6	34
77	Facile synthesis and influences of Fe/Ni ratio on the microwave absorption performance of ultra-small FeNi-C core-shell nanoparticles. Materials Research Bulletin, 2020, 126, 110837.	2.7	34
78	Effect of Size and Aspect Ratio on the Mechanical Properties of ZrAlNiCuNb Metallic Glass. Rare Metal Materials and Engineering, 2012, 41, 762-766.	0.8	33
79	Linking the thermal characteristics and mechanical properties of Fe-based bulk metallic glasses. Journal of Alloys and Compounds, 2016, 663, 867-871.	2.8	33
80	Effects of torsional deformation on the microstructures and mechanical properties of a CoCrFeNiMo_{0.15} high-entropy alloy. Philosophical Magazine, 2017, 97, 3229-3245.	0.7	33
81	Abnormal internal friction in the in-situ Ti60Zr15V10Cu5Be10 metallic glass matrix composite. Journal of Alloys and Compounds, 2017, 724, 921-931.	2.8	33
82	Extraordinary tensile properties of titanium alloy with heterogeneous phase-distribution based on hetero-deformation induced hardening. Materials Research Letters, 2020, 8, 254-260.	4.1	33
83	Acquiring well balanced strength and ductility of Cu/CNTs composites with uniform dispersion of CNTs and strong interfacial bonding. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 733, 144-152.	2.6	32
84	Effects of Mo-doping on the microstructure and mechanical properties of CoCrNi medium entropy alloy. Journal of Materials Research, 2020, 35, 2726-2736.	1.2	32
85	Effects of Yb on the mechanical properties and microstructures of an Alâ€“Mg alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 497, 519-523.	2.6	31
86	Phase transition induced high strength and large ductility of a hot rolled near Î² Ti-5Al-5Mo-5V-1Cr-1Fe alloy. Scripta Materialia, 2019, 170, 34-37.	2.6	31
87	High strength and large ductility of a fine-grained Alâ€“Mg alloy processed by high strain rate hot rolling and cold rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 787, 139481.	2.6	30
88	Modeling the Age-Hardening Behavior of SiC/Al Metal Matrix Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 638-648.	1.1	29
89	Improving the plasticity of bulk metallic glasses via pre-compression below the yield stress. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 602, 68-76.	2.6	29
90	Deformation induced dynamic recrystallization and precipitation strengthening in an MgZnMn alloy processed by high strain rate rolling. Materials Characterization, 2016, 121, 135-138.	1.9	29

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91	Simultaneously enhanced strength and ductility of 6xxx Al alloys via manipulating meso-scale and nano-scale structures guided with phase equilibrium. Journal of Materials Science and Technology, 2020, 41, 139-148.	5.6	28
92	Effects of elemental segregation and scanning strategy on the mechanical properties and hot cracking of a selective laser melted FeCoCrNiMn-(N,Si) high entropy alloy. Journal of Alloys and Compounds, 2021, 865, 158892.	2.8	28
93	Multiple Covalent Triazine Frameworks with Strong Polysulfide Chemisorption for Enhanced Lithiumâ€Sulfur Batteries. ChemElectroChem, 2019, 6, 2777-2781.	1.7	27
94	Deformation behaviors of a hot rolled near-Î² Ti-5Al-5Mo-5V-1Cr-1Fe alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 742, 390-399.	2.6	27
95	Strain direction dependency of deformation mechanisms in an HCP-Ti crystalline by molecular dynamics simulations. Computational Materials Science, 2020, 172, 109328.	1.4	27
96	Experimental and Modeling of the Coupled Influences of Variously Sized Particles on the Tensile Ductility of SiC p /Al Metal Matrix Composites. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2007, 38, 2127-2137.	1.1	26
97	Multi-scale model for the ductility of multiple phase materials. Mechanics of Materials, 2009, 41, 622-633.	1.7	26
98	Microstructural evolution of Cuâ€“Al alloys subjected to multi-axial compression. Materials Characterization, 2015, 103, 107-119.	1.9	26
99	Effects of annealing on the microstructural evolution and phase transition in an AlCrCuFeNi2 high-entropy alloy. Micron, 2017, 101, 69-77.	1.1	26
100	Improving the strength and retaining the ductility of microstructural graded coarse-grained materials with low stacking fault energy. Materials and Design, 2018, 160, 21-33.	3.3	26
101	Short-range ordering induced serrated flow in a carbon contained FeCoCrNiMn high entropy alloy. Micron, 2019, 126, 102739.	1.1	26
102	Altered microstructural evolution and mechanical properties of CoCrFeNiMo0.15 high-entropy alloy by cryogenic rolling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 759, 574-582.	2.6	25
103	Chemical anchoring of SeS₂on a fluoro-substituted covalent organic framework as a high-performance cathode material. Chemical Communications, 2019, 55, 13247-13250.	2.2	25
104	Liquid metal embrittlement susceptibility of a high-entropy alloy exposed to oxygen-depleted liquid lead-bismuth eutectic at 250 and 350â€Â°C. Journal of Nuclear Materials, 2020, 528, 151859.	1.3	25
105	Tribological and biological behaviors of laser cladded Ti-based metallic glass composite coatings. Applied Surface Science, 2020, 507, 145104.	3.1	25
106	Formation of large scaled zero-strain deformation twins in coarse-grained copper. Scripta Materialia, 2016, 125, 49-53.	2.6	24
107	Strengthening the FeCoCrNiMo0.15 high entropy alloy by a gradient structure. Journal of Alloys and Compounds, 2020, 841, 155688.	2.8	24
108	Effects of Sintering and Extrusion on the Microstructures and Mechanical Properties of a SiC/Al-Cu Composite. Journal of Materials Engineering and Performance, 2012, 21, 373-381.	1.2	23

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109	Deformation Twinning and Detwinning in Faceâ€Centered Cubic Metallic Materials. Advanced Engineering Materials, 2020, 22, 1900479.	1.6	23
110	Yield stress of SiC reinforced aluminum alloy composites. Journal of Materials Science, 2010, 45, 4097-4110.	1.7	22
111	Novel C/Cu sheath/core nanostructures synthesized via low-temperature MOCVD. Nanotechnology, 2011, 22, 405704.	1.3	22
112	âŸ¨câ€¯+â€¯aâŸ© dislocations shearing (0001)Î± plate precipitates in an Mg-Zn-Mn alloy. Scripta Materialia, 2019, 170, 24-28.	2.6	22
113	Effects of low temperature aging precipitates on damping and mechanical properties of ZK60 magnesium alloy. Journal of Alloys and Compounds, 2020, 819, 152961.	2.8	22
114	Phase transformation and structural evolution in a Ti-5at.% Al alloy induced by cold-rolling. Journal of Materials Science and Technology, 2020, 49, 211-223.	5.6	22
115	Structural characterization of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si3.svg"><mml:mrow><mml:mfenced close="}" open="{"><mml:mrow><mml:mn>11</mml:mn><mml:mover accent="true"><mml:mn>2</mml:mn><mml:mo stretchy="true">Â¯</mml:mo></mml:mover><mml:mn>2</mml:mn></mml:mrow></mml:mfenced></mml:mrow></mml:math> twin boundary and the corresponding stress accommodation mechanisms in pure titanium. Journal of	5.6	22
116	Liquid metal embrittlement of a dual-phase Al0.7CoCrFeNi high-entropy alloy exposed to oxygen-saturated lead-bismuth eutectic. Scripta Materialia, 2021, 194, 113652.	2.6	22
117	The effect of mechanical milling on the soft magnetic properties of amorphous FINEMET alloy. Journal of Magnetism and Magnetic Materials, 2015, 381, 322-327.	1.0	21
118	Creep of granular ice with and without dispersed particles. Journal of Glaciology, 2005, 51, 210-218.	1.1	20
119	Effects of temperature and alloying content on the phase transformation and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mo stretchy="false">{</mml:mo><mml:mn>10</mml:mn><mml:mover accent="true"><mml:mn>1</mml:mn><mml:mo>Â¯</mml:mo></mml:mover><mml:mn>1</mml:mn><mml:mo stretchy="false">}</mml:mo></mml:math> twinning in Zr during rolling. Journal of Materials Science and Technology, 2020, 41, 79-89.	5.6	20
120	Dynamic deformation behavior and microstructure evolution of CoCrNiMox medium entropy alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142048.	2.6	20
121	A comparative study on the dielectric response and microwave absorption performance of FeNi-capped carbon nanotubes and FeNi-cored carbon nanoparticles. Nanotechnology, 2021, 32, 105701.	1.3	20
122	Effect of thermomechanical treatment on the mechanical properties of an Alâ€“Cuâ€“Mg alloy. Materials & Design, 2009, 30, 857-861.	5.1	19
123	Ni-AlxNiy coreâ€“shell structured particle reinforced Al-based composites fabricated by in-situ powder metallurgy technique. Materials Chemistry and Physics, 2015, 160, 352-358.	2.0	19
124	A detailed appraisal of the stress exponent used for characterizing creep behavior in metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 654, 53-59.	2.6	19
125	On the effect of cooling rate during melt spinning of FINEMET ribbons. Nanoscale, 2013, 5, 7520.	2.8	18
126	Preparation and Pore Structure Stability at High Temperature of Porous Fe-Al Intermetallics. Journal of Materials Engineering and Performance, 2013, 22, 3959-3966.	1.2	18

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127	On the atomic model of Guinier-Preston zones in Al-Mg-Si-Cu alloys. Journal of Alloys and Compounds, 2018, 745, 644-650.	2.8	18
128	Enhanced electromagnetic wave absorption of Niâ€“C core-shell nanoparticles by HCP-Ni phase. Materials Research Express, 2018, 5, 095013.	0.8	18
129	Microstructure and mechanical properties of AlCoCrFeNi high entropy alloys produced by spark plasma sintering. Materials Research Express, 2019, 6, 0865e7.	0.8	18
130	Mechanical properties and microstructures of Al-10Mg-4.5Si matrix composites reinforced by carbon nanotubes. Journal of Alloys and Compounds, 2019, 792, 860-868.	2.8	18
131	Enhancing damping capacity and mechanical properties of Al-Mg alloy by high strain rate hot rolling and subsequent cold rolling. Journal of Alloys and Compounds, 2022, 908, 164677.	2.8	18
132	Effects of Ag addition on mechanical properties and microstructures of Al-8Cu-0.5Mg alloy. Transactions of Nonferrous Metals Society of China, 2006, 16, 766-771.	1.7	17
133	The effect of annealing on the mechanical properties of a ZrAlNiCu metallic glass. Journal of Non-Crystalline Solids, 2011, 357, 1239-1241.	1.5	17
134	Simulation of the electron diffraction patterns from needle/rod-like precipitates in Alâ€“Mgâ€“Si alloys. Materials Characterization, 2011, 62, 894-903.	1.9	17
135	An investigation of the mechanical behaviors of micro-sized tungsten whiskers using nanoindentation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 594, 278-286.	2.6	17
136	Achieving high combination of strength and ductility of Al matrix composite via in-situ formed Ti-Al3Ti core-shell particle. Materials Characterization, 2020, 170, 110666.	1.9	17
137	The tension-compression asymmetry of martensite phase transformation in a metastable Fe40Co20Cr20Mn10Ni10 high-entropy alloy. Science China Materials, 2020, 63, 1797-1807.	3.5	17
138	Effect of Minor Cu Addition on the Precipitation Sequence of an As-Cast Al-Mg-Si 6005 Alloy. Archives of Metallurgy and Materials, 2012, 57, .	0.6	16
139	Inhomogeneous creep deformation in metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 648, 57-60.	2.6	16
140	Influence of deformation microstructure on the precipitation behaviors of an Al-4Mg-0.3Cu alloy. Journal of Alloys and Compounds, 2017, 695, 2238-2245.	2.8	16
141	Mechanisms for nucleation and propagation of incoherent twins in a CoCrFeNiMo 0.15 high-entropy alloy subject to cold rolling and annealing. Intermetallics, 2018, 96, 104-110.	1.8	16
142	Nitrogen doped Co-Cr-Mo-W based alloys fabricated by selective laser melting with enhanced strength and good ductility. Journal of Alloys and Compounds, 2019, 785, 305-311.	2.8	16
143	A comparison of the dry sliding wear of single-phase f.c.c. carbon-doped Fe40.4Ni11.3Mn34.8Al7.5Cr6 and CoCrFeMnNi high entropy alloys with 316 stainless steel. Materials Characterization, 2020, 170, 110693.	1.9	16
144	Characterization of the microstructure and deformation substructure evolution in a hierarchal high-entropy alloy by correlative EBSD and ECCI. Intermetallics, 2020, 121, 106788.	1.8	16

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145	Influence of carburization on oxidation behavior of High Nb contained TiAl alloy. Surface and Coatings Technology, 2015, 277, 210-215.	2.2	15
146	Structural stability and magnetic properties of WFeH phases. International Journal of Hydrogen Energy, 2016, 41, 13093-13100.	3.8	15
147	Enhancing the mechanical properties of high strain rate rolled Mgâ€“6Znâ€“1Mn alloy by pre-rolling. Journal of Materials Science, 2017, 52, 10557-10566.	1.7	15
148	Microstructure and mechanical properties of an MP159 alloy processed by torsional deformation and subsequent annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140676.	2.6	15
149	Achieving high damping and excellent ductility of Al Mg alloy sheet by the coupling effect of Mg content and fine grain structure. Materials Characterization, 2021, 174, 110974.	1.9	15
150	The effect of particles on creep rate and microstructures of granular ice. Journal of Glaciology, 2008, 54, 533-537.	1.1	14
151	Investigation of the as-solidified microstructure of an Alâ€“Mgâ€“Siâ€“Cu alloy. Journal of Alloys and Compounds, 2014, 602, 312-321.	2.8	14
152	Partial dislocation emission in a superfine grained Alâ€“Mg alloy subject to multi-axial compression. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 641, 189-193.	2.6	14
153	Correlation between hardness and shear banding of metallic glasses under nanoindentation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 657, 38-42.	2.6	14
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