Tong-Min Wang

List of Publications by Year
in descending order

217 papers	9,643 citations	44069 48 h-index	49909 87 g-index
224 all docs	224 docs citations	224 times ranked	5028 citing authors

#	Article	IF	Citations
1	Seasonal variation and health risk assessment of organophosphate esters in surface and drinking water in Nanjing, China. International Journal of Environmental Science and Technology, 2023, 20, 411-422.	3.5	7
2	Processing bulk insulating CaTiO3 into a high-performance thermoelectric material. Chemical Engineering Journal, 2022, 428, 131121.	12.7	12
3	Surface modification for AlCoCrFeNi2.1 eutectic high-entropy alloy via laser remelting technology and subsequent aging heat treatment. Journal of Alloys and Compounds, 2022, 894, 162380.	5.5	34
4	Corrosion process of Mgâ€“Sn alloys revealed via in situ synchrotron X-ray radiography. Materials Letters, 2022, 308, 131139.	2.6	2
5	Microstructures, mechanical properties, and aging behavior of hybrid-sized TiB2 particulate-reinforced 2219 aluminum matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 829, 142180.	5.6	20
6	Effect of different rare earths on microstructures and tensile strength of in situ hybrid reinforced (TiB2pÂ+ÂTiBw)/Cu composites. Materials Characterization, 2022, 184, 111624.	4.4	14
7	A research on the electrical sliding behavior wear of dual-scale particulate reinforced copper matrix composites. Materials Characterization, 2022, 184, 111708.	4.4	2
8	Constructing three-dimensional reticulated carbonyl iron/carbon foam composites to achieve temperature-stable broadband microwave absorption performance. Carbon, 2022, 188, 376-384.	10.3	52
9	FeCoNiCr_{0.4}Cu_X High-Entropy Alloys with Strong Intergranular Magnetic Coupling for Stable Megahertz Electromagnetic Absorption in a Wide Temperature Spectrum. ACS Applied Materials & Interfaces, 2022, 14, 7012-7021.	8.0	27
10	Enhanced antibacterial behavior of a novel Cu-bearing high-entropy alloy. Journal of Materials Science and Technology, 2022, 117, 158-166.	10.7	33
11	Bio-Inspired Microwave Modulator for High-Temperature Electromagnetic Protection, Infrared Stealth and Operating Temperature Monitoring. Nano-Micro Letters, 2022, 14, 28.	27.0	29
12	A Novel Series of Fe8.25CoCrNiMnNb0.1Mox Multi-Component Alloys with Excellent Combined Strength and Ductility. Journal of Materials Engineering and Performance, 2022, 31, 5374-5381.	2.5	1
13	Ultrasound-assisted dispersion of TiB2 nanoparticles in 7075 matrix hybrid composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142958.	5.6	20
14	Ductile and ultrahigh-strength eutectic high-entropy alloys by large-volume 3D printing. Journal of Materials Science and Technology, 2022, 126, 15-21.	10.7	57
15	Entropy engineering induced low thermal conductivity in medium-entropy (Zr, Ti, Hf)CoSb triple half-Heusler compounds. Materialia, 2022, 23, 101453.	2.7	6
16	Enhancement in thermoelectric properties of ZrNiSn-based alloys by Ta doping and Hf substitution. Acta Materialia, 2022, 233, 117976.	7.9	13
17	Formation mechanism of TiB2 nanoparticles and development of TiB2p/6201 nanocomposites as a neoteric conducting material. Journal of Alloys and Compounds, 2022, 916, 165461.	5.5	4
18	Microstructure Design of High-Entropy Alloys Through a Multistage Mechanical Alloying Strategy for Temperature-Stable Megahertz Electromagnetic Absorption. Nano-Micro Letters, 2022, 14, .	27.0	26

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19	Ultrasound-Assisted Solidification of a Cuâ€“Cr Alloy. Acta Metallurgica Sinica (English Letters), 2022, 35, 2082-2088.	2.9	1
20	Significantly improved thermoelectric properties of Nb-doped ZrNiSn half-Heusler compounds. Chemical Engineering Journal, 2022, 449, 137898.	12.7	11
21	Magnetic transformation of Mn from anti-ferromagnetism to ferromagnetism in FeCoNiZMn (Z = Si,) Tj ETQq1 1 0.784314 rgBT /Over	10.7	17
22	Enhancing mechanical properties and corrosion resistance of nickel-aluminum bronze via hot rolling process. Journal of Materials Science and Technology, 2021, 61, 186-196.	10.7	31
23	Effects of stress states and strain rates on mechanical behavior and texture evolution of the CoCrFeNi high-entropy alloy: Experiment and simulation. Journal of Alloys and Compounds, 2021, 851, 156779.	5.5	19
24	Microwave absorption performance of FeCoNiAlCr0.9 alloy powders by adjusting the amount of process control agent. Journal of Materials Science and Technology, 2021, 77, 209-216.	10.7	64
25	Preparing bulk Cu-Ni-Mn based thermoelectric alloys and synergistically improving their thermoelectric and mechanical properties using nanotwins and nanoprecipitates. Materials Today Physics, 2021, 17, 100332.	6.0	17
26	Effect of two-step cryorolling and aging on mechanical and electrical properties of a Cuâ€“Crâ€“Niâ€“Si alloy for lead frames applications. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 809, 140521.	5.6	21
27	Effects of deformation and annealing on the microstructures and properties of a nonequiatomic Co29Cr29Fe29Ni12.5W0.5 high-entropy alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 805, 140548.	5.6	9
28	Microstructure and properties of dual-scale particulate reinforced copper matrix composites with superior comprehensive properties. Journal of Alloys and Compounds, 2021, 860, 157888.	5.5	9
29	Microstructure and enhanced mechanical properties of hybrid-sized B4C particle-reinforced 6061Al matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 802, 140453.	5.6	24
30	Effect of Crystal Orientation on Seebeck Coefficient and Electrical Conductivity of SrTiO3 Single Crystals. Crystal Growth and Design, 2021, 21, 1791-1799.	3.0	3
31	Evolution of Microstructure and Mechanical Properties of As-Cast AlxCrFe2Ni2 High-Entropy Alloys with Al Content. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 1850-1860.	2.2	4
32	Effect of Ti and Nb Contents on Microstructure and Mechanical Properties of HfZrVTaMoWTi_xNb_y Refractory Highâ€Entropy Alloys. Advanced Engineering Materials, 2021, 23, 2100225.	3.5	11
33	Facile morphology controllable synthesis of zinc oxide decorated carbon nanotubes with enhanced microwave absorption. Journal of Materials Science: Materials in Electronics, 2021, 32, 12208-12222.	2.2	7
34	Tungsten-containing high-entropy alloys: a focused review of manufacturing routes, phase selection, mechanical properties, and irradiation resistance properties. Tungsten, 2021, 3, 181-196.	4.8	26
35	The role of Ga in the microstructure, corrosion behavior and mechanical properties of as-extruded Mgâ€“5Snâ€“xGa alloys. Journal of Alloys and Compounds, 2021, 863, 158762.	5.5	27
36	FeCoNiMnAl high-entropy alloy: Improving electromagnetic wave absorption properties. Journal of Materials Research, 2021, 36, 2107-2117.	2.6	17

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37	Effects of Ni on the nucleation and growth behavior of Cu6Sn5 in Snâ€“8.5Cu alloy: An in situ observation. Journal of Alloys and Compounds, 2021, 862, 158603.	5.5	12
38	Microstructure and mechanical properties of Ti3V2NbAl Ni low-density refractory multielement alloys. Intermetallics, 2021, 133, 107187.	3.9	16
39	Grouping strategy via d-orbit energy level to design eutectic high-entropy alloys. Applied Physics Letters, 2021, 119, .	3.3	13
40	Enhancement of magnetic properties in FeCoNiCr0.4CuX high entropy alloys through the cocktail effect for megahertz electromagnetic wave absorption. Journal of Alloys and Compounds, 2021, 872, 159602.	5.5	54
41	Anomalous microstructure and tribological evaluation of AlCrFeNiW0.2Ti0.5 high-entropy alloy coating manufactured by laser cladding in seawater. Journal of Materials Science and Technology, 2021, 85, 224-234.	10.7	26
42	Pencil painting like preparation for flexible thermoelectric material of high-performance p-type Na1.4Co2O4 and novel n-type NaxCo2O4. Journal of Materiomics, 2021, 7, 1153-1160.	5.7	2
43	In vitro investigation on microstructure, bio-corrosion properties and cytotoxicity of as-extruded Mgâ€“5Snâ€“xIn alloys. Journal of Alloys and Compounds, 2021, 877, 160294.	5.5	12
44	A novel ZrNbMoTaW refractory high-entropy alloy with in-situ forming heterogeneous structure. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 827, 142061.	5.6	59
45	Top-down method to fabricate TiNi1+Sn half-Heusler alloy with high thermoelectric performance. Journal of Materials Science and Technology, 2021, 87, 39-45.	10.7	11
46	Microstructure evolution and mechanical properties of CrFeNixV0.64Ta0.36 eutectic high-entropy alloys. Materials Characterization, 2021, 181, 111449.	4.4	9
47	A novel bulk eutectic high-entropy alloy with outstanding as-cast specific yield strengths at elevated temperatures. Scripta Materialia, 2021, 204, 114132.	5.2	192
48	Influence of microstructural characteristics on corrosion behavior of Mgâ€“5Snâ€“3In alloy in Hank's solution. Transactions of Nonferrous Metals Society of China, 2021, 31, 2999-3011.	4.2	6
49	Optimizing the electromagnetic properties of the FeCoNiAlCrx high entropy alloy powders by composition adjustment and annealing treatment. Journal of Magnetism and Magnetic Materials, 2020, 497, 165947.	2.3	45
50	Corrosion behavior of as-cast Mgâ€“5Sn based alloys with In additions in 3.5â€¯wt% NaCl solution. Corrosion Science, 2020, 164, 108318.	6.6	45
51	Enhanced Thermoelectric Performance of Zr_{1â€“x}Ta_xNiSn Half-Heusler Alloys by Diagonal-Rule Doping. ACS Applied Materials & Interfaces, 2020, 12, 3773-3783.	8.0	25
52	Manipulating the particle distribution of in situ TiB2p/Al composites via acoustic vibration and cooling rate. Materials Letters, 2020, 262, 127063.	2.6	6
53	Tuning magnetic properties based on FeCoNiSi0.4Al0.4 with dual-phase nano-crystal and nano-amorphous microstructure. Intermetallics, 2020, 117, 106678.	3.9	13
54	Enhanced strength-ductility synergy in a boron carbide reinforced aluminum matrix composite at 77ÂK. Journal of Alloys and Compounds, 2020, 818, 153310.	5.5	19

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55	Effect of La addition on microstructures and properties of TiB2(-TiB)/Cu hybrid composites prepared by in situ reaction. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 789, 139605.	5.6	22
56	Microstructure and tribological properties of AlCrFe2Ni2W0.2Mo0.75 high-entropy alloy coating prepared by laser cladding in seawater, NaCl solution and deionized water. Surface and Coatings Technology, 2020, 400, 126214.	4.8	54
57	Comparison of two-phase and three-phase macroscopic models of equiaxed grain growth in solidification of binary alloy with electromagnetic stirring. IOP Conference Series: Materials Science and Engineering, 2020, 861, 012026.	0.6	0
58	FeCoNiCuAl high entropy alloys microwave absorbing materials: Exploring the effects of different Cu contents and annealing temperatures on electromagnetic properties. Journal of Alloys and Compounds, 2020, 848, 156491.	5.5	28
59	Novel as-cast AlCrFe2Ni2Ti05 high-entropy alloy with excellent mechanical properties. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1312-1317.	4.9	14
60	Investigation on the mechanical properties and frictional performance of Niâ€“Cuâ€“Si alloy. Materials Science and Technology, 2020, 36, 1671-1684.	1.6	4
61	Identification of the Intrinsic Atomic Disorder in ZrNiSn-based Alloys and Their Effects on Thermoelectric Properties. Nano Energy, 2020, 78, 105372.	16.0	24
62	Effect of Ti content on microstructure and properties of TixZrVNb refractory high-entropy alloys. International Journal of Minerals, Metallurgy and Materials, 2020, 27, 1318-1325.	4.9	41
63	Enhanced thermoelectric performance of variable-valence element Sm-doped BiCuSeO oxyselenides. Materials Research Bulletin, 2020, 126, 110841.	5.2	13
64	Novel (CoFe2NiV0.5Mo0.2)100â^'xNbx Eutectic High-Entropy Alloys with Excellent Combination of Mechanical and Corrosion Properties. Acta Metallurgica Sinica (English Letters), 2020, 33, 1046-1056.	2.9	28
65	Promising properties and future trend of eutectic high entropy alloys. Scripta Materialia, 2020, 187, 202-209.	5.2	308
66	In-situ observation of grain refinement dynamics of hypoeutectic Al-Si alloy inoculated by Al-Ti-Nb-B alloy. Scripta Materialia, 2020, 187, 142-147.	5.2	82
67	Deformation behavior and damage in B4Cp/6061Al composites: An actual 3D microstructure-based modeling. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2020, 781, 139169.	5.6	31
68	Semi-solid compression of nano/micro-particle reinforced Al-Cu composites: An in situ synchrotron tomographic study. Materialia, 2020, 12, 100817.	2.7	7
69	Precipitate phase transformation behavior, microstructure, and properties of Cuâ€“Crâ€“Coâ€“Si alloy. Journal of Materials Research, 2020, 35, 623-632.	2.6	3
70	Effect of B₄C particle size on the mechanical properties of B₄C reinforced aluminum matrix layered composite. Science and Engineering of Composite Materials, 2019, 26, 53-61.	1.4	17
71	Microstructures and Wear Resistance of AlCrFeNi2W0.2Nbx High-Entropy Alloy Coatings Prepared by Laser Cladding. Journal of Thermal Spray Technology, 2019, 28, 1318-1329.	3.1	31
72	Microstructure evolution, electrical conductivity and mechanical properties of dual-scale Cu5Zr/ZrB2 particulate reinforced copper matrix composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 762, 138108.	5.6	14

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73	Responses of hemocyanin and energy metabolism to acute nitrite stress in juveniles of the shrimp Litopenaeus vannamei. Ecotoxicology and Environmental Safety, 2019, 186, 109753.	6.0	47
74	Grain nucleation and growth behavior of (Cu, Ni)6Sn5 in Snâ€“10Cuâ€“1Ni alloy under pulse current: An in situ observation. Materials Characterization, 2019, 158, 109969.	4.4	5
75	Influence of Alloyed Ga on the Microstructure and Corrosion Properties of As-Cast Mgâ€“5Sn Alloys. Materials, 2019, 12, 3686.	2.9	10
76	First-principles calculations and high thermoelectric performance of Laâ€“Nb doped SrTiO₃ceramics. Journal of Materials Chemistry A, 2019, 7, 236-247.	10.3	40
77	Electrochemical corrosion mechanisms of nickel-aluminium bronze with different nickel contents using the rotating disc electrode. Corrosion Science, 2019, 157, 438-449.	6.6	23
78	The influence of Sc addition on microstructure and tensile mechanical properties of Mgâ€“4.5Snâ€“5Zn alloys. Journal of Magnesium and Alloys, 2019, 7, 456-465.	11.9	26
79	The Influence of Holding Time on the Microstructure Evolution of Mgâ€“10Znâ€“6.8Gdâ€“4Y Alloy during Semi-Solid Isothermal Heat Treatment. Metals, 2019, 9, 420.	2.3	8
80	The roles of Hf element in optimizing strength, ductility and electrical conductivity of copper alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 758, 130-138.	5.6	47
81	3D Visualized Characterization of Fracture Behavior of Structural Metals Using Synchrotron Radiation Computed Microtomography. Quantum Beam Science, 2019, 3, 5.	1.2	2
82	FeCoNiSi Al0.4 high entropy alloy powders with dual-phase microstructure: Improving microwave absorbing properties via controlling phase transition. Journal of Alloys and Compounds, 2019, 790, 179-188.	5.5	36
83	Microstructural characteristics and mechanical behavior of B4Cp/6061Al composites synthesized at different hot-pressing temperatures. Journal of Materials Science and Technology, 2019, 35, 1523-1531.	10.7	31
84	Effect of V addition on microstructures and mechanical properties of Cu-15Ni-8Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 748, 85-94.	5.6	56
85	Effect of Sc and Y addition on the microstructure and properties of HCP-structured high-entropy alloys. Applied Physics A: Materials Science and Processing, 2019, 125, 1.	2.3	26
86	Direct solidification of bulk ultrafine-microstructure eutectic high-entropy alloys with outstanding thermal stability. Scripta Materialia, 2019, 165, 145-149.	5.2	104
87	Multi-dimensional characterization and controlling of microstructure evolution during solidification of metallic alloys. IOP Conference Series: Materials Science and Engineering, 2019, 580, 012013.	0.6	1
88	Effects of Ta Addition on the Microstructure and Mechanical Properties of CoCu0.5FeNi High-Entropy Alloy. Journal of Materials Engineering and Performance, 2019, 28, 7642-7648.	2.5	21
89	Optimization of the balance between high strength and high electrical conductivity in CuCrZr alloys through two-step cryorolling and aging. Journal of Alloys and Compounds, 2019, 771, 1044-1051.	5.5	57
90	Effect of reinforcement content and aging treatment on microstructure and mechanical behavior of B4Cp/6061Al composites. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 744, 682-690.	5.6	36

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91	Effects of Co and Si additions and cryogenic rolling on structure and properties of Cuâ€“Cr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 740-741, 165-173.	5.6	41
92	A promising new class of irradiation tolerant materials: Ti2ZrHfV0.5Mo0.2 high-entropy alloy. Journal of Materials Science and Technology, 2019, 35, 369-373.	10.7	266
93	Improving electromagnetic properties of FeCoNiSi0.4Al0.4 high entropy alloy powders via their tunable aspect ratio and elemental uniformity. Materials and Design, 2018, 149, 173-183.	7.0	61
94	Effects of Nb addition on the microstructures and mechanical properties of a precipitation hardening Cu-9Ni-6Sn alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 715, 340-347.	5.6	53
95	Preparing bulk ultrafine-microstructure high-entropy alloys via direct solidification. Nanoscale, 2018, 10, 1912-1919.	5.6	51
96	A new mechanism for improving electromagnetic properties based on tunable crystallographic structures of FeCoNiSi_xAl_{0.4} high entropy alloy powders. RSC Advances, 2018, 8, 14936-14946.	3.6	33
97	A promising new class of plasticine: Metallic plasticine. Journal of Materials Science and Technology, 2018, 34, 344-348.	10.7	13
98	Direct preparation of La-doped SrTiO3 thermoelectric materials by mechanical alloying with carbon burial sintering. Journal of the European Ceramic Society, 2018, 38, 807-811.	5.7	41
99	In vitro study of stimulation effect on endothelialization by a copper bearing cobalt alloy. Journal of Biomedical Materials Research - Part A, 2018, 106, 561-569.	4.0	13
100	Microstructure and Fabrication of Cu-Pb-Sn/Q235 Laminated Composite by Semi-Solid Rolling. Metals, 2018, 8, 722.	2.3	7
101	Microstructure and Performance of a Three-Layered Al/7075â€“B4C/Al Composite Prepared by Semi Continuous Casting and Hot Rolling. Metals, 2018, 8, 600.	2.3	8
102	A nano-micro dual-scale particulate-reinforced copper matrix composite with high strength, high electrical conductivity and superior wear resistance. RSC Advances, 2018, 8, 30777-30782.	3.6	19
103	The role of nickel in mechanical performance and corrosion behaviour of nickel-aluminium bronze in 3.5â€¯wt.% NaCl solution. Corrosion Science, 2018, 139, 333-345.	6.6	90
104	Optimizing the thermoelectric transport properties of BiCuSeO via doping with the rare-earth variable-valence element Yb. Journal of Materials Chemistry C, 2018, 6, 8479-8487.	5.5	26
105	Influence of Cryorolling on the Precipitation of Cuâ€“Niâ€“Si Alloys: An In Situ X-ray Diffraction Study. Acta Metallurgica Sinica (English Letters), 2018, 31, 1089-1097.	2.9	8
106	Correlation between microstructures and mechanical properties of cryorolled CuNiSi alloys with Cr and Zr alloying. Materials Characterization, 2018, 144, 532-546.	4.4	41
107	AB0177â€…Toll-like receptor 7(TLR7) is upregulated on peripheral b cells and associated with disease activity and damage in primary sjogren syndrome. , 2018, , .		0
108	Effect of Eu on the silicon phase in Al-40Zn-5Si alloys. Journal of Alloys and Compounds, 2017, 722, 116-130.	5.5	9

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109	Grain nucleation and growth behavior of a Sn-Pb alloy affected by direct current: An in situ investigation. Journal of Materials Science and Technology, 2017, 33, 1134-1140.	10.7	14
110	In situ observation on the solidification of Sn-10Cu hyperperitectic alloy under direct current field by synchrotron microradiography. Journal of Alloys and Compounds, 2017, 721, 126-133.	5.5	17
111	Improving the tensile ductility of metal matrix composites by laminated structure: A coupled X-ray tomography and digital image correlation study. Scripta Materialia, 2017, 135, 63-67.	5.2	46
112	Heterogeneous nucleation of Al on AlB 2 in Al-7Si alloy. Materials Characterization, 2017, 128, 7-13.	4.4	19
113	Record high thermoelectric performance in bulk SrTiO3 via nano-scale modulation doping. Nano Energy, 2017, 35, 387-395.	16.0	153
114	Numerical simulation of the macrostructure evolution of a heavy steel ingot. Materials Science and Technology, 2017, 33, 574-582.	1.6	1
115	A discrete structure: FeSiAl/carbon black composite absorption coatings. Materials Research Bulletin, 2017, 88, 41-48.	5.2	34
116	Study of enhanced dry sliding wear behavior and mechanical properties of Cu-TiB 2 composites fabricated by in situ casting process. Wear, 2017, 392-393, 118-125.	3.1	47
117	A new strategy to design eutectic high-entropy alloys using mixing enthalpy. Intermetallics, 2017, 91, 124-128.	3.9	203
118	Promoting defect formation and microwave loss properties in Î´-MnO2 via Co doping: A first-principles study. Computational Materials Science, 2017, 138, 288-294.	3.0	28
119	Effect of Sn addition on the separation and purification of primary Si from solidification of Al-30Si melt under electromagnetic stirring. Journal of Alloys and Compounds, 2017, 725, 1264-1271.	5.5	25
120	Characteristics of copper-clad aluminum rods prepared by horizontal continuous casting. Metals and Materials International, 2017, 23, 1197-1203.	3.4	3
121	A high strength and high electrical conductivity Cu-Cr-Zr alloy fabricated by cryorolling and intermediate aging treatment. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2017, 680, 108-114.	5.6	134
122	Directly cast bulk eutectic and near-eutectic high entropy alloys with balanced strength and ductility in a wide temperature range. Acta Materialia, 2017, 124, 143-150.	7.9	747
123	CD51 correlates with the TGF-beta pathway and is a functional marker for colorectal cancer stem cells. Oncogene, 2017, 36, 1351-1363.	5.9	34
124	Composition, Microstructure, Phase Constitution and Fundamental Physicochemical Properties of Low-Melting-Point Multi-Component Eutectic Alloys. Journal of Materials Science and Technology, 2017, 33, 131-154.	10.7	28
125	Effect of Niobium on Microstructure and Properties of the CoCrFeNb x Ni High Entropy Alloys. Journal of Materials Science and Technology, 2017, 33, 712-717.	10.7	180
126	Microstructure and texture evolution in the cryorolled CuZr alloy. Journal of Alloys and Compounds, 2017, 693, 592-600.	5.5	17

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127	Evaluation of promoting effect of a novel Cu-bearing metal stent on endothelialization process from in vitro and in vivo studies. Scientific Reports, 2017, 7, 17394.	3.3	13
128	Distribution pattern and mass budget of sedimentary polycyclic aromatic hydrocarbons in shelf areas of the Eastern China Marginal Seas. Journal of Geophysical Research: Oceans, 2017, 122, 4990-5004.	2.6	47
129	Effects of Cr and Zr additions on microstructure and properties of Cu-Ni-Si alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 378-390.	5.6	125
130	A promising structure for fabricating high strength and high electrical conductivity copper alloys. Scientific Reports, 2016, 6, 20799.	3.3	50
131	Optimization design of wide face water slots for medium-thick slab casting mold. China Foundry, 2016, 13, 327-334.	1.4	0
132	Effect of Sr addition on the characteristics of as-cast and rolled 3003/4004 clad aluminum. Journal of Alloys and Compounds, 2016, 678, 201-211.	5.5	5
133	Study on the Formation and Precipitation Mechanism of Mn5Si3 Phase in the MBA-2 Brass Alloy. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2016, 47, 2616-2624.	2.2	9
134	Broadband superior electromagnetic absorption of a discrete-structure microwave coating. Journal of Magnetism and Magnetic Materials, 2016, 416, 155-163.	2.3	17
135	First-principles calculations of graphene-based polyaniline nano-hybrids for insight of electromagnetic properties and electronic structures. RSC Advances, 2016, 6, 73915-73923.	3.6	54
136	Grain refinement of hypoeutectic Al-Si alloys with B. Acta Materialia, 2016, 120, 168-178.	7.9	141
137	The interaction between Eu and P in high purity Al-7Si alloys. Materials Characterization, 2016, 120, 129-142.	4.4	13
138	Effect of La addition on the particle characteristics, mechanical and electrical properties of in situ Cu-TiB2 composites. Journal of Alloys and Compounds, 2016, 687, 312-319.	5.5	66
139	Microstructures and mechanical properties of Co2MoxNi2VWx eutectic high entropy alloys. Materials and Design, 2016, 109, 539-546.	7.0	132
140	Effect of traveling magnetic field on solute distribution and dendritic growth in unidirectionally solidifying Snâ€“50 wt%Pb alloy: An in situ observation. Journal of Crystal Growth, 2016, 450, 91-95.	1.5	19
141	Simulation Study of Al-1Mn/Al-10Si Circular Clad Ingots Prepared by Direct Chill Casting. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2016, 47, 89-98.	2.1	3
142	A multi-component AlCrFe2Ni2 alloy with excellent mechanical properties. Materials Letters, 2016, 169, 62-64.	2.6	150
143	Effect of direct current pulses on mechanical and electrical properties of aged Cuâ€“Crâ€“Zr alloys. Materials and Design, 2016, 92, 135-142.	7.0	48
144	Morphology-controlled synthesis and microwave absorption properties of Î²-MnO 2 microncube with rectangular pyramid. Materials Characterization, 2016, 112, 206-212.	4.4	20

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145	Nestin regulates proliferation and invasion of gastrointestinal stromal tumor cells by altering mitochondrial dynamics. Oncogene, 2016, 35, 3139-3150.	5.9	22
146	Influence of cold deformation and Ti element on the microstructure and properties of Cuâ€“Cr system alloys. Journal of Materials Research, 2015, 30, 2073-2080.	2.6	26
147	The thermal stability and microwave electromagnetic properties of Mn4N. Applied Physics A: Materials Science and Processing, 2015, 120, 1075-1081.	2.3	12
148	Effect of minor B addition on microstructure and properties of AlCoCrFeNi multi-compenent alloy. Transactions of Nonferrous Metals Society of China, 2015, 25, 2958-2964.	4.2	46
149	Real-time Observation on Coarsening of Second-Phase Droplets in Alâ€“Bi Immiscible Alloy Using Synchrotron Radiation X-ray Imaging Technology. Acta Metallurgica Sinica (English Letters), 2015, 28, 940-945.	2.9	9
150	A Criterion for Topological Close-Packed Phase Formation in High Entropy Alloys. Entropy, 2015, 17, 2355-2366.	2.2	77
151	Phase Evolution and Properties of Al2CrFeNiMo x High-Entropy Alloys Coatings by Laser Cladding. Journal of Thermal Spray Technology, 2015, 24, 1333-1340.	3.1	76
152	Combining effects of TiB2 and La on the aging behavior of A356 alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 644, 425-430.	5.6	22
153	Effects of Tungsten on Microstructure and Mechanical Properties of CrFeNiV0.5W x and CrFeNi2V0.5W x High-Entropy Alloys. Journal of Materials Engineering and Performance, 2015, 24, 4594-4600.	2.5	46
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