

Xiao-Jun Wang

List of Publications by Year in descending order

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118
papers

5,524
citations

61857

43
h-index

95083

68
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118
all docs

118
docs citations

118
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	What is going on in magnesium alloys?. Journal of Materials Science and Technology, 2018, 34, 245-247.	5.6	487
2	Microstructure and strengthening mechanism of bimodal size particle reinforced magnesium matrix composite. Composites Part A: Applied Science and Manufacturing, 2012, 43, 1280-1284.	3.8	216
3	Graphene nanoplatelets induced heterogeneous bimodal structural magnesium matrix composites with enhanced mechanical properties. Scientific Reports, 2016, 6, 38824.	1.6	154
4	Magnesium matrix composite reinforced by nanoparticles – A review. Journal of Magnesium and Alloys, 2021, 9, 57-77.	5.5	146
5	Microstructure and mechanical properties of SiC nanoparticles reinforced magnesium matrix composites fabricated by ultrasonic vibration. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2011, 528, 5278-5282.	2.6	122
6	Microstructure and strengthening mechanism of carbon nanotubes reinforced magnesium matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 597, 264-269.	2.6	112
7	Enhanced overall strength and ductility of magnesium matrix composites by low content of graphene nanoplatelets. Composites Part A: Applied Science and Manufacturing, 2017, 100, 183-193.	3.8	110
8	Processing, microstructure and mechanical properties of magnesium matrix nanocomposites fabricated by semisolid stirring assisted ultrasonic vibration. Journal of Alloys and Compounds, 2011, 509, 8664-8669.	2.8	106
9	Achieving high strength and ductility in graphene/magnesium composite via an in-situ reaction wetting process. Carbon, 2018, 139, 954-963.	5.4	106
10	Processing maps for hot working of ZK60 magnesium alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 464, 52-58.	2.6	104
11	Development of SiCp/AZ91 magnesium matrix nanocomposites using ultrasonic vibration. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 540, 123-129.	2.6	95
12	Effect of particle size on microstructure and mechanical properties of SiCp/AZ91 magnesium matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 543, 158-163.	2.6	94
13	Effect of hot extrusion on microstructures and mechanical properties of SiC nanoparticles reinforced magnesium matrix composite. Journal of Alloys and Compounds, 2012, 512, 355-360.	2.8	93
14	Study on fracture behavior of particulate reinforced magnesium matrix composite using in situ SEM. Composites Science and Technology, 2007, 67, 2253-2260.	3.8	90
15	Microstructure and tensile property of the ECAPed pure magnesium. Journal of Alloys and Compounds, 2009, 470, 256-262.	2.8	89
16	Development of high mechanical properties and moderate thermal conductivity cast Mg alloy with multiple RE via heat treatment. Journal of Materials Science and Technology, 2018, 34, 1076-1084.	5.6	89
17	Microstructure evolution and mechanical properties of a particulate reinforced magnesium matrix composites forged at elevated temperatures. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 1630-1635.	2.6	78
18	Effect of hot extrusion on the microstructure of a particulate reinforced magnesium matrix composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2007, 465, 78-84.	2.6	77

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19	Microstructure, mechanical properties and fracture mechanism of Ti2AlC reinforced AZ91D composites fabricated by stir casting. <i>Journal of Alloys and Compounds</i> , 2017, 702, 199-208.	2.8	77
20	Characteristics and mechanical properties of magnesium matrix composites reinforced with micron/submicron/nano SiC particles. <i>Journal of Alloys and Compounds</i> , 2016, 686, 831-840.	2.8	76
21	Influence of SiC nanoparticles addition on the microstructural evolution and mechanical properties of AZ91 alloy during isothermal multidirectional forging. <i>Materials Characterization</i> , 2017, 124, 14-24.	1.9	72
22	Achieving ultra-high strengthening and toughening efficiency in carbon nanotubes/magnesium composites via constructing micro-nano layered structure. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 119, 225-234.	3.8	71
23	Microstructure and tensile properties of micro-SiC particles reinforced magnesium matrix composites produced by semisolid stirring assisted ultrasonic vibration. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 8709-8714.	2.6	70
24	Microstructure and mechanical properties of SiCp/AZ91 composite deformed through a combination of forging and extrusion process. <i>Materials & Design</i> , 2010, 31, 3929-3932.	5.1	68
25	Multidirectional forging of AZ91 magnesium alloy and its effects on microstructures and mechanical properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 624, 157-168.	2.6	68
26	Dynamic recrystallization behavior of particle reinforced Mg matrix composites fabricated by stir casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 545, 38-43.	2.6	63
27	Effect of submicron size SiC particles on microstructure and mechanical properties of AZ31B magnesium matrix composites. <i>Materials & Design</i> , 2014, 54, 436-442.	5.1	62
28	Effect of bimodal size SiC particulates on microstructure and mechanical properties of AZ31B magnesium matrix composites. <i>Materials & Design</i> , 2013, 52, 1011-1017.	5.1	61
29	Ageing behavior of as-cast SiCp/AZ91 Mg matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 491-500.	2.6	61
30	Distribution and integrity of carbon nanotubes in carbon nanotube/magnesium composites. <i>Journal of Alloys and Compounds</i> , 2014, 612, 330-336.	2.8	60
31	Dynamic recrystallization behavior during hot deformation and mechanical properties of 0.2 μ m SiCp reinforced Mg matrix composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 560, 824-830.	2.6	59
32	Significantly improved strength and ductility in bimodal-size grained microstructural magnesium matrix composites reinforced by bimodal sized SiCp over traditional magnesium matrix composites. <i>Composites Science and Technology</i> , 2015, 118, 85-93.	3.8	58
33	Beyond the dimensional limitation in bio-inspired composite: Insertion of carbon nanotubes induced laminated Cu composite and the simultaneously enhanced strength and toughness. <i>Carbon</i> , 2018, 130, 222-232.	5.4	58
34	Graphene nanoplatelets reinforced Mg matrix composite with enhanced mechanical properties by structure construction. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 733, 414-418.	2.6	58
35	Recent Research on the Deformation Behavior of Particle Reinforced Magnesium Matrix Composite: A Review. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 413-425.	1.5	55
36	Microstructures and mechanical properties of AZ91 magnesium alloy processed by multidirectional forging under decreasing temperature conditions. <i>Journal of Alloys and Compounds</i> , 2014, 617, 979-987.	2.8	53

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37	Influences of extrusion parameters on microstructure and mechanical properties of particulate reinforced magnesium matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 6387-6392.	2.6	51
38	Isothermal forging of AZ91 reinforced with 10vol.% silicon carbon particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 1707-1712.	2.6	50
39	Fabrication of bimodal size SiCp reinforced AZ31B magnesium matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014, 601, 58-64.	2.6	50
40	Effects of hot extrusion on microstructure and mechanical properties of Mg matrix composite reinforced with deformable TC4 particles. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 421-430.	5.5	50
41	Self-lubricate and anisotropic wear behavior of AZ91D magnesium alloy reinforced with ternary Ti ₂ AlC MAX phases. <i>Journal of Materials Science and Technology</i> , 2019, 35, 275-284.	5.6	47
42	Effect of extrusion temperatures on microstructure and mechanical properties of SiCp/Mg-Zn-Ca composite. <i>Journal of Alloys and Compounds</i> , 2012, 532, 78-85.	2.8	45
43	Microstructure and mechanical property of the ECAPed Mg ₂ Si/Mg composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 516, 283-289.	2.6	44
44	Molten salt assisted solidification nanoprocessing of Al-TiC nanocomposites. <i>Materials Letters</i> , 2016, 185, 392-395.	1.3	44
45	Effects of bimodal size SiC particles on the microstructure evolution and fracture mechanism of AZ91 matrix at room temperature. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 553, 74-79.	2.6	43
46	Influence of extrusion temperature and process parameter on microstructures and tensile properties of a particulate reinforced magnesium matrix nanocomposite. <i>Materials & Design</i> , 2012, 36, 199-205.	5.1	43
47	Microstructures and mechanical properties of SiCp/AZ91 magnesium matrix nanocomposites processed by multidirectional forging. <i>Journal of Alloys and Compounds</i> , 2015, 622, 1018-1026.	2.8	43
48	Damping capacities and tensile properties of magnesium matrix composites reinforced by graphite particles. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 6816-6821.	2.6	42
49	Hot extrusion of SiCp/AZ91 Mg matrix composites. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1912-1917.	1.7	39
50	Evolution Behavior of Carbides in 2.25Cr-1Mo-0.25V Steel. <i>Materials Transactions</i> , 2009, 50, 2507-2511.	0.4	38
51	Multidirectional forging of magnesium matrix composites: Effect on microstructures and tensile properties. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 7364-7368.	2.6	38
52	Microstructure and elevated tensile properties of submicron SiCp/AZ91 magnesium matrix composite. <i>Materials & Design</i> , 2012, 38, 110-114.	5.1	37
53	Characterization and strengthening mechanism of SiC nanoparticles reinforced magnesium matrix composite fabricated by ultrasonic vibration assisted squeeze casting. <i>Journal of Materials Research</i> , 2017, 32, 2609-2620.	1.2	37
54	In-situ analysis of slip transfer and heterogeneous deformation in tension of Mg-5.4Gd-1.8Y-1.5Zn alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 1186-1197.	5.5	37

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55	Hot deformation behavior of SiCp/AZ91 magnesium matrix composite fabricated by stir casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008, 492, 481-485.	2.6	36
56	Microstructure and mechanical properties of SiCp/MgZnCa composites fabricated by stir casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 534, 60-67.	2.6	36
57	Role of β^2 Phase during Microarc Oxidation of Mg Alloy AZ91D and Corrosion Resistance of the Oxidation Coating. <i>Journal of Materials Science and Technology</i> , 2013, 29, 1129-1133.	5.6	36
58	Electromagnetic interference shielding effectiveness of magnesium alloy-fly ash composites. <i>Journal of Alloys and Compounds</i> , 2015, 650, 871-877.	2.8	36
59	Microstructural modification and strength enhancement by SiC nanoparticles in AZ31 magnesium alloy during hot rolling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 715, 49-61.	2.6	36
60	Development and strengthening mechanisms of a hybrid CNTs@SiCp/Mg-6Zn composite fabricated by a novel method. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 1363-1372.	5.5	36
61	Effect of extrusion temperature on microstructures and damping capacities of Grp/AZ91 composite. <i>Journal of Alloys and Compounds</i> , 2010, 506, 688-692.	2.8	35
62	Effect of multidirectional forging on microstructures and tensile properties of a particulate reinforced magnesium matrix composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7133-7139.	2.6	35
63	Evolutions of microstructure and mechanical properties for SiCp/AZ91 composites with different particle contents during extrusion. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 636, 138-147.	2.6	34
64	Fabrication, microstructure and mechanical properties of Mg matrix composites reinforced by high volume fraction of sphere TC4 particles. <i>Journal of Magnesium and Alloys</i> , 2016, 4, 286-294.	5.5	34
65	A Novel Melt Processing for Mg Matrix Composites Reinforced by Multiwalled Carbon Nanotubes. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1303-1308.	5.6	34
66	Effect of ultrasonic vibration and solution heat treatment on microstructures and tensile properties of AZ91 alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 7484-7487.	2.6	33
67	Study on titanium-magnesium composites with bicontinuous structure fabricated by powder metallurgy and ultrasonic infiltration. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2018, 81, 10-15.	1.5	33
68	Role of structural parameters on strength-ductility combination of laminated carbon nanotubes/copper composites. <i>Composites Part A: Applied Science and Manufacturing</i> , 2019, 116, 138-146.	3.8	33
69	High-compactness coating grown by plasma electrolytic oxidation on AZ31 magnesium alloy in the solution of silicate+borax. <i>Applied Surface Science</i> , 2012, 259, 362-366.	3.1	32
70	High temperature damping behavior of as-deformed Mg matrix influenced by micron and submicron SiCp. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 624, 62-70.	2.6	31
71	Fabrication of SiC particles-reinforced magnesium matrix composite by ultrasonic vibration. <i>Journal of Materials Science</i> , 2012, 47, 138-144.	1.7	28
72	Development of High Performance Magnesium Matrix Nanocomposites Using Nano-SiC Particulates as Reinforcement. <i>Journal of Materials Engineering and Performance</i> , 2015, 24, 3798-3807.	1.2	28

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73	Synthesis and characterization of textured Ti ₂ AlC reinforced magnesium composite. <i>Journal of Alloys and Compounds</i> , 2018, 730, 191-195.	2.8	27
74	Microstructure evolutions of SiCp/AZ91 Mg matrix composites during hot compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 139-146.	2.6	26
75	Effect of strain rate and temperature on the mechanical behavior of magnesium nanocomposites. <i>International Journal of Mechanical Sciences</i> , 2014, 89, 381-390.	3.6	26
76	Direct synthesis and modification of graphene in Mg melt by converting CO ₂ : A novel route to achieve high strength and stiffness in graphene/Mg composites. <i>Carbon</i> , 2022, 186, 632-643.	5.4	26
77	Effect of SiC particles on microarc oxidation process of magnesium matrix composites. <i>Applied Surface Science</i> , 2013, 283, 906-913.	3.1	25
78	A Novel Method to Fabricate CNT/Mg-6Zn Composites with High Strengthening Efficiency. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 909-917.	1.5	25
79	The evolution of local stress during deformation twinning in a Mg-Gd-Y-Zn alloy. <i>Acta Materialia</i> , 2022, 222, 117452.	3.8	25
80	Precipitate characteristics and synergistic strengthening realization of graphene nanoplatelets reinforced bimodal structural magnesium matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 724, 348-356.	2.6	24
81	Microstructure and tensile properties of SiC nanoparticles reinforced magnesium matrix composite prepared by multidirectional forging under decreasing temperature conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 639, 465-473.	2.6	23
82	Microstructure and room temperature tensile properties of 1/4m-SiCp/AZ31B magnesium matrix composite. <i>Journal of Magnesium and Alloys</i> , 2015, 3, 155-161.	5.5	22
83	Microstructure and mechanical properties of bio-inspired Cf/Ti/Mg laminated composites. <i>Journal of Magnesium and Alloys</i> , 2018, 6, 164-170.	5.5	22
84	Processing, Microstructure and Mechanical Properties of Ti6Al4V Particles-Reinforced Mg Matrix Composites. <i>Acta Metallurgica Sinica (English Letters)</i> , 2016, 29, 940-950.	1.5	21
85	Effects of hot rolling on microstructure, macrotexture and mechanical properties of pre-extruded AZ31/SiC nanocomposite sheets. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 683, 15-23.	2.6	21
86	Hot rolling behavior of graphene/Cu composites. <i>Journal of Alloys and Compounds</i> , 2020, 816, 153204.	2.8	21
87	Microstructure evolution during superplastic deformation process and its impact on superplastic behavior of a Mg-Gd-Y-Zn-Zr alloy. <i>Materials Characterization</i> , 2021, 172, 110879.	1.9	21
88	Damping capacities and tensile properties in Grp/AZ91 and SiCp/Grp/AZ91 magnesium matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010, 527, 7873-7877.	2.6	18
89	Precise measurement of strain accommodation in a Mg-Gd-Y-Zn alloy using cross-correlation-based high resolution EBSD. <i>Materials Characterization</i> , 2020, 165, 110384.	1.9	18
90	Effects of Reinforced Particles on Dynamic Recrystallization of Mg Base Alloys during Hot Extrusion. <i>Rare Metal Materials and Engineering</i> , 2014, 43, 1821-1825.	0.8	17

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91	Elastic strain induced abnormal grain growth in graphene nanosheets (GNSs) reinforced copper (Cu) matrix composites. <i>Acta Materialia</i> , 2020, 200, 338-350.	3.8	16
92	Enhanced mechanical properties of CNTs/Mg biomimetic laminated composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 802, 140632.	2.6	16
93	Simultaneously enhanced mechanical properties and electromagnetic interference shielding performance of a graphene nanosheets (GNSs) reinforced magnesium matrix composite by GNSs induced laminated structure. <i>Journal of Alloys and Compounds</i> , 2022, 898, 162847.	2.8	14
94	Low frequency damping capacities of commercial pure magnesium. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 1907-1911.	1.7	12
95	Interfacial Modification Using Matrix Alloying in Mg/CNT Composites for Improved Mechanical Performance. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 3041-3047.	1.2	12
96	Effects of (micron+submicron+nano) multisized SiC particles on microstructure and mechanical properties of magnesium matrix composites. <i>Journal of Composite Materials</i> , 2018, 52, 2055-2064.	1.2	10
97	Investigation into the influence of carbon nanotubes addition on residual stresses and mechanical properties in the CNTs@SiCp/Mg-6Zn hybrid composite using neutron diffraction method. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 797, 140105.	2.6	10
98	A green and efficient method for preparing graphene using CO ₂ @Mg in-situ reaction and its application in high-performance lithium-ion batteries. <i>Journal of Alloys and Compounds</i> , 2022, 902, 163700.	2.8	10
99	Interfacial Characteristic of as-Deformed SiCp-Reinforced Magnesium Matrix Composite. <i>Acta Metallurgica Sinica (English Letters)</i> , 2014, 27, 885-893.	1.5	9
100	Fabrication and strengthening mechanisms of magnesium matrix composites with bimodal microstructure induced by graphene nanoplatelets. <i>Journal of Materials Research</i> , 2021, 36, 764-774.	1.2	9
101	Direct conversion of CO ₂ to graphene via vapor-liquid reaction for magnesium matrix composites with structural and functional properties. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 1206-1212.	5.5	9
102	Effects of La Addition on the Microstructure, Thermal Conductivity and Mechanical Properties of Mg-3Al-0.3Mn Alloys. <i>Materials</i> , 2022, 15, 1078.	1.3	9
103	Role of Al ₁₈ B ₄ O ₃₃ Whisker in MAO Process of Mg Matrix Composite and Protective Properties of the Oxidation Coating. <i>Journal of Materials Science and Technology</i> , 2013, 29, 267-272.	5.6	8
104	Effect of Necklace-Type Distribution of SiC Particles on Dry Sliding Wear Behavior of As-Cast AZ91D/SiCp Composites. <i>Crystals</i> , 2020, 10, 296.	1.0	8
105	Microstructure and mechanical properties of magnesium matrix composite reinforced with carbon nanotubes by ultrasonic vibration. <i>Rare Metals</i> , 2015, , 1.	3.6	7
106	The Comparison in the Microstructure and Mechanical Properties between AZ91 Alloy and Nano-SiCp/AZ91 Composite Processed by Multi-Pass Forging Under Varying Passes and Temperatures. <i>Materials</i> , 2019, 12, 625.	1.3	7
107	Achieving high strength and ductility in GNSs/Mg nanocomposites fabricated by in-situ liquid metallurgy combined with hot extrusion. <i>Composites Part A: Applied Science and Manufacturing</i> , 2022, 161, 107079.	3.8	7
108	Development of SiC Nanoparticles and Second Phases Synergistically Reinforced Mg-Based Composites Processed by Multi-Pass Forging with Varying Temperatures. <i>Materials</i> , 2018, 11, 126.	1.3	6

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109	Synergistic Strengthening of Mechanical Properties and Electromagnetic Interference Shielding Performance of Carbon Nanotubes (CNTs) Reinforced Magnesium Matrix Composites by CNTs Induced Laminated Structure. <i>Materials</i> , 2022, 15, 300.	1.3	6
110	Processing and Mechanical Properties of Ti ₂ AlC MAX Phase Reinforced AE44 Magnesium Composite. <i>Materials</i> , 2020, 13, 995.	1.3	5
111	Microstructure and mechanical properties of M40/AZ91 composites fabricated by pressure infiltration method. <i>Composites Communications</i> , 2021, 24, 100640.	3.3	5
112	Decipher the ultra-high strengthening and toughening efficiency of GNS-MgO/Mg layered composite with in-situ enhanced interface. <i>Carbon</i> , 2022, 196, 783-794.	5.4	5
113	Different Tribological Behaviors of SiCp/AZ91 Composites Induced by Tailoring the Distribution of SiC Particles. <i>Metals and Materials International</i> , 2021, 27, 556-569.	1.8	4
114	Processing, microstructure and mechanical properties of a novel mg matrix composites reinforced with urchin-like CNTs@SiCp. <i>Diamond and Related Materials</i> , 2020, 109, 108087.	1.8	3
115	Aging behavior of the extruded SiCp-reinforced AZ91 Mg alloy composite. <i>Journal of Materials Research</i> , 2019, 34, 335-343.	1.2	2
116	Effect of Al Addition on Grain Refinement and Phase Transformation of the Mg-Gd-Y-Zn-Mn Alloy Containing LPSO Phase. <i>Materials</i> , 2022, 15, 1632.	1.3	2
117	Direct synthesis of graphene by blowing CO ₂ bubble in Mg melt for the seawater/oil pollution. <i>Journal of Alloys and Compounds</i> , 2022, 921, 165938.	2.8	2
118	Improved strengthening efficiency of nanoreinforcements realized by a novel melt spinning process. <i>Journal of Materials Research</i> , 2018, 33, 2711-2720.	1.2	1