

Li-Yuan Sheng

List of Publications by Year in descending order

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152
all docs

152
docs citations

152
times ranked

2475
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of heat treatment on interface of Cu/Al bimetal composite fabricated by cold rolling. Composites Part B: Engineering, 2011, 42, 1468-1473.	12.0	228
2	Effect of volume fraction of LPSO phases on corrosion and mechanical properties of Mg-Zn-Y alloys. Materials and Design, 2017, 121, 430-441.	7.0	147
3	Influence of solution treatment on the corrosion fatigue behavior of an as-forged Mg-Zn-Y-Zr alloy. International Journal of Fatigue, 2019, 120, 46-55.	5.7	110
4	Laser direct joining of CFRTP and aluminium alloy with a hybrid surface pre-treating method. Composites Part B: Engineering, 2019, 173, 106911.	12.0	89
5	Microstructural characteristics and mechanical properties of the hot extruded Mg-Zn-Y-Nd alloys. Journal of Materials Science and Technology, 2021, 60, 44-55.	10.7	85
6	The microstructure evolution and its effect on the mechanical properties of a hot-corrosion resistant Ni-based superalloy during long-term thermal exposure. Materials & Design, 2012, 39, 55-62.	5.1	83
7	Microstructure and mechanical properties of NiAl-Cr(Mo)/Nb eutectic alloy prepared by injection-casting. Materials & Design, 2009, 30, 964-969.	5.1	75
8	Microstructure and mechanical properties of Ni3Al fabricated by thermal explosion and hot extrusion. Intermetallics, 2009, 17, 572-577.	3.9	75
9	Investigation on microstructure and wear behavior of the NiAl-Ti-C-Al2O3 composite fabricated by self-propagation high-temperature synthesis with extrusion. Journal of Alloys and Compounds, 2013, 554, 182-188.	5.5	73
10	CFRTP and stainless steel laser joining: Thermal defects analysis and joining parameters optimization. Optics and Laser Technology, 2018, 103, 170-176.	4.6	70
11	Investigation on NiAl-Ti-C-Al2O3 composite prepared by self-propagation high temperature synthesis with hot extrusion. Composites Part B: Engineering, 2013, 45, 785-791.	12.0	69
12	Microstructures and mechanical properties of cast Nb-Ti-Si-Zr alloys. Intermetallics, 2008, 16, 807-812.	3.9	67
13	Single-crystalline ultrathin 2D TiO2 nanosheets: A bridge towards superior photovoltaic devices. Materials Today Energy, 2017, 3, 32-39.	4.7	67
14	Microstructure evolution and mechanical properties of Ni3Al/Al2O3 composite during self-propagation high-temperature synthesis and hot extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 555, 131-138.	5.6	65
15	New sensor for gases dissolved in transformer oil based on solid oxide fuel cell. Sensors and Actuators B: Chemical, 2014, 202, 232-239.	7.8	63
16	Tensile, creep behavior and microstructure evolution of an as-cast Ni-based K417G polycrystalline superalloy. Journal of Materials Science and Technology, 2018, 34, 1805-1816.	10.7	63
17	Microstructure and mechanical properties of rapidly solidified NiAl-Cr(Mo) eutectic alloy doped with trace Dy. Journal of Alloys and Compounds, 2009, 475, 730-734.	5.5	62
18	Carbon fiber reinforced thermoplastic composites and TC4 alloy laser assisted joining with the metal surface laser plastic-covered method. Composites Part B: Engineering, 2021, 213, 108738.	12.0	60

#	ARTICLE	IF	CITATIONS
19	Microstructure, precipitates and compressive properties of various holmium doped NiAl/Cr(Mo,Hf) eutectic alloys. <i>Materials & Design</i> , 2011, 32, 4810-4817.	5.1	58
20	Effects of annealing treatment on microstructure and tensile behavior of the Mg-Zn-Y-Nd alloy. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 601-613.	11.9	58
21	Influence of grain boundary carbides on mechanical properties of high nitrogen austenitic stainless steel. <i>Materials & Design</i> , 2012, 37, 349-355.	5.1	54
22	Effect of rolling ratios on the microstructural evolution and corrosion performance of an as-rolled Mg-8wt.%Li alloy. <i>Journal of Magnesium and Alloys</i> , 2021, 9, 560-568.	11.9	53
23	Microstructure evolution and mechanical properties' improvement of NiAl-Cr(Mo)-Hf eutectic alloy during suction casting and subsequent HIP treatment. <i>Intermetallics</i> , 2009, 17, 1115-1119.	3.9	52
24	Microstructure and mechanical properties of Ni ₃ Al and Ni ₃ Al-1B alloys fabricated by SHS/HE. <i>Intermetallics</i> , 2011, 19, 137-142.	3.9	52
25	Improvement of compressive strength and ductility in NiAl-Cr(Nb)/Dy alloy by rapid solidification and HIP treatment. <i>Intermetallics</i> , 2012, 27, 14-20.	3.9	52
26	Nanocomposite films based on TEMPO-mediated oxidized bacterial cellulose and chitosan. <i>Cellulose</i> , 2014, 21, 2757-2772.	4.9	51
27	Optimizing mechanical property and cytocompatibility of the biodegradable Mg-Zn-Y-Nd alloy by hot extrusion and heat treatment. <i>Journal of Materials Science and Technology</i> , 2019, 35, 6-18.	10.7	51
28	Aligned Graphene Mesh-Supported Double Network Natural Hydrogel Conduit Loaded with Netrin-1 for Peripheral Nerve Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 112-122.	8.0	51
29	Microstructure characteristics and compressive properties of NiAl-based multiphase alloy during heat treatments. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 8324-8331.	5.6	50
30	Anomalous yield and intermediate temperature brittleness behaviors of directionally solidified nickel-based superalloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2014, 24, 673-681.	4.2	49
31	Microstructure evolution and elevated temperature compressive properties of a rapidly solidified NiAl-Cr(Nb)/Dy alloy. <i>Materials & Design</i> , 2009, 30, 2752-2755.	5.1	48
32	Effect of Au addition on the microstructure and mechanical properties of NiAl intermetallic compound. <i>Intermetallics</i> , 2010, 18, 740-744.	3.9	48
33	Surface characterization of TEMPO-oxidized bacterial cellulose. <i>Surface and Interface Analysis</i> , 2013, 45, 1673-1679.	1.8	48
34	Microstructure and mechanical properties of Hf and Ho doped NiAl-Cr(Mo) near eutectic alloy prepared by suction casting. <i>Materials Characterization</i> , 2009, 60, 1311-1316.	4.4	47
35	Influence of phase dissolution and hydrogen absorption on the stress corrosion cracking behavior of Mg-7%Gd-5%Y-1%Nd-0.5%Zr alloy in 3.5 wt.% NaCl solution. <i>Corrosion Science</i> , 2018, 142, 185-200.	6.6	46
36	Deformation and fracture mechanisms of an annealing-tailored bimodal-grain-structured Mg alloy. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2423-2429.	10.7	46

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37	Effect of extrusion process on the mechanical and in vitro degradation performance of a biomedical Mg-Zn-Y-Nd alloy. <i>Bioactive Materials</i> , 2020, 5, 219-227.	15.6	44
38	Anisotropic corrosion behavior of hot-rolled Mg-8 wt.%Li alloy. <i>Journal of Materials Science and Technology</i> , 2020, 53, 102-111.	10.7	44
39	TEMPO-mediated oxidation of bacterial cellulose in a bromide-free system. <i>Colloid and Polymer Science</i> , 2013, 291, 2985-2992.	2.1	42
40	Optimization of microstructure and mechanical property of a Mg-Zn-Y-Nd alloy by extrusion process. <i>Journal of Alloys and Compounds</i> , 2019, 775, 990-1001.	5.5	40
41	Primary MC decomposition and its effects on the rupture behaviors in hot-corrosion resistant Ni-based superalloy K444. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 553, 14-21.	5.6	39
42	Microstructure and room temperature mechanical properties of NiAl-Cr(Mo)-(Hf, Dy) hypoeutectic alloy prepared by injection casting. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 983-990.	4.2	37
43	Natural ageing responses of duplex structured Mg-Li based alloys. <i>Scientific Reports</i> , 2017, 7, 40078.	3.3	37
44	Effect of Ho on the microstructure and compressive properties of NiAl-based eutectic alloy. <i>Materials Letters</i> , 2008, 62, 3910-3912.	2.6	36
45	Suppressing Effect of Heat Treatment on the Portevin-Le Chatelier Phenomenon of Mg-4%Li-6%Zn-1.2%Y Alloy. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1232-1238.	10.7	36
46	Effects of hot-working parameters on microstructural evolution of high nitrogen austenitic stainless steel. <i>Materials & Design</i> , 2011, 32, 3711-3717.	5.1	35
47	Precipitation and evolution of grain boundary boride in a nickel-based superalloy during thermal exposure. <i>Materials Characterization</i> , 2017, 128, 109-114.	4.4	35
48	Effect of Icosahedral Phase on Crystallographic Texture and Mechanical Anisotropy of Mg-4%Li Based Alloys. <i>Journal of Materials Science and Technology</i> , 2017, 33, 475-480.	10.7	34
49	M5B3 Boride at the Grain Boundary of a Nickel-based Superalloy. <i>Journal of Materials Science and Technology</i> , 2016, 32, 265-270.	10.7	33
50	Improving surface quality and superficial microstructure of LDED Inconel 718 superalloy processed by hybrid laser polishing. <i>Journal of Materials Processing Technology</i> , 2022, 300, 117428.	6.3	33
51	High corrosion resistance and weak corrosion anisotropy of an as-rolled Mg-3Al-1Zn (in wt.%) alloy with strong crystallographic texture. <i>Scientific Reports</i> , 2017, 7, 16014.	3.3	32
52	Magnesium-pretreated periosteum for promoting bone-tendon healing after anterior cruciate ligament reconstruction. <i>Biomaterials</i> , 2021, 268, 120576.	11.4	32
53	Large-pore-size Ti6Al4V scaffolds with different pore structures for vascularized bone regeneration. <i>Materials Science and Engineering C</i> , 2021, 131, 112499.	7.3	32
54	Effect of solution treatment on stress corrosion cracking behavior of an as-forged Mg-Zn-Y-Zr alloy. <i>Scientific Reports</i> , 2016, 6, 29471.	3.3	31

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55	Microstructure and elevated temperature tensile behaviour of directionally solidified nickel based superalloy. <i>Materials Research Innovations</i> , 2013, 17, 101-106.	2.3	30
56	Development of a novel quasi-3D model to investigate the performance of a falling film dehumidifier with CFD technology. <i>International Journal of Heat and Mass Transfer</i> , 2019, 132, 431-442.	4.8	29
57	ZrO ₂ strengthened NiAl/Cr(Mo,Hf) composite fabricated by powder metallurgy. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 231-236.	4.4	28
58	Effects of icosahedral phase on mechanical anisotropy of as-extruded Mg-14Li (in wt%) based alloys. <i>Journal of Materials Science and Technology</i> , 2019, 35, 2477-2484.	10.7	28
59	Experimental study on CFRP drilling with the picosecond laser "double rotation" cutting technique. <i>Optics and Laser Technology</i> , 2021, 142, 107238.	4.6	28
60	Effect of growth rate on microstructure and mechanical properties in a directionally solidified Nb-silicide base alloy. <i>Materials & Design</i> , 2009, 30, 2274-2277.	5.1	27
61	Preliminary investigation on strong magnetic field treated NiAl-Cr(Mo)-Hf near eutectic alloy. <i>Intermetallics</i> , 2011, 19, 143-148.	3.9	27
62	Influence of Zn Content on Microstructure and Tensile Properties of Mg-Zn-Y-Nd Alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 351-361.	2.9	26
63	Multifunctional, Robust, and Porous PHBV-GO/MXene Composite Membranes with Good Hydrophilicity, Antibacterial Activity, and Platelet Adsorption Performance. <i>Polymers</i> , 2021, 13, 3748.	4.5	26
64	The effect of strong magnetic field treatment on microstructure and room temperature compressive properties of NiAl-Cr(Mo)-Hf eutectic alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 500, 238-243.	5.6	25
65	Effect of extrusion process on microstructure and mechanical properties of Ni ₃ Al-B-Cr alloy during self-propagation high-temperature synthesis. <i>Transactions of Nonferrous Metals Society of China</i> , 2012, 22, 489-495.	4.2	25
66	Deliberate Design of TiO ₂ Nanostructures towards Superior Photovoltaic Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 11357-11364.	3.3	25
67	Influence of layer number on microstructure, mechanical properties and wear behavior of the TiN/Ti multilayer coatings fabricated by high-power magnetron sputtering deposition. <i>Journal of Manufacturing Processes</i> , 2021, 70, 529-542.	5.9	25
68	Effect of electrostatic field on microstructure and mechanical properties of the 316L stainless steel modified layer fabricated by laser cladding. <i>Materials Characterization</i> , 2022, 191, 112123.	4.4	25
69	Influence of Processing Parameters on Laser Direct Joining of CFRTP and Stainless Steel. <i>Advances in Materials Science and Engineering</i> , 2018, 2018, 1-15.	1.8	24
70	Effect of Interface Pretreatment of Al Alloy on Bonding Strength of the Laser Joined Al/CFRTP Butt Joint. <i>Micromachines</i> , 2021, 12, 179.	2.9	24
71	Wear properties of NiAl based materials. <i>Progress in Natural Science: Materials International</i> , 2012, 22, 414-425.	4.4	22
72	Fly compound-eye inspired inorganic nanostructures with extraordinary visible-light responses. <i>Materials Today Chemistry</i> , 2016, 1-2, 84-89.	3.5	22

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73	Microstructure and mechanical properties of the Ag/316L composite plate fabricated by explosive welding. <i>Journal of Manufacturing Processes</i> , 2021, 64, 265-275.	5.9	22
74	Microstructure and Mechanical Properties Determined in Compressive Tests of Quasi-Rapidly Solidified NiAl-Cr(Mo)-Hf Eutectic Alloy After Hot Isostatic Pressure and High Temperature Treatments. <i>Journal of Materials Engineering and Performance</i> , 2010, 19, 732-736.	2.5	20
75	Experimental study on the corrosion behavior and regeneration performance of KCOOH aqueous solution. <i>Solar Energy</i> , 2020, 201, 638-648.	6.1	20
76	Investigation on the microstructure and tensile behavior of a Ni-based IN792 superalloy. <i>Advances in Mechanical Engineering</i> , 2018, 10, 168781401775216.	1.6	16
77	Effect of withdrawal rate on microstructure and mechanical properties of a directionally solidified NiAl-based hypoeutectic alloy doped with trace Hf and Ho. <i>Intermetallics</i> , 2011, 19, 206-211.	3.9	15
78	Influence of hot working on microstructure and mechanical behavior of high nitrogen stainless steel. <i>Journal of Materials Science</i> , 2011, 46, 5097-5103.	3.7	15
79	Influence of Tantalum Addition on Microstructure and Mechanical Properties of the NiAl-Based Eutectic Alloy. <i>Strength of Materials</i> , 2017, 49, 109-117.	0.5	15
80	Experimental and thermodynamic study of the Mg-Sn-Ca-Sr quaternary system: Part I-Mg-Sn-Ca ternary system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2017, 58, 6-16.	1.6	14
81	Anti-Adhesion Mesh for Hernia Repair Based on Modified Bacterial Cellulose. <i>Starch/Staerke</i> , 2018, 70, 1700319.	2.1	14
82	Hot Extrusion Effect on the Microstructure and Mechanical Properties of a Mg-Y-Nd-Zr Alloy. <i>Strength of Materials</i> , 2018, 50, 184-192.	0.5	14
83	Investigation on the crystal structure and mechanical properties of the ternary compound Mg _{1-x} Zn _x Sr combined with experimental measurements and first-principles calculations. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 1074-1082.	11.9	14
84	Effect of growth rate on the tensile properties of DS NiAl/Cr(Mo) eutectic alloy produced by liquid metal cooling technique. <i>Intermetallics</i> , 2010, 18, 319-323.	3.9	13
85	The relationship between microstructure and in vivo degradation of modified bacterial cellulose sponges. <i>Journal of Materials Chemistry B</i> , 2015, 3, 9001-9010.	5.8	13
86	Shear deformation determined by short-range configuration of atoms in topologically close-packed crystal. <i>Acta Materialia</i> , 2019, 179, 396-405.	7.9	13
87	Microstructure and compressive properties of NiAl-Cr(Mo)-Dy near eutectic alloy prepared by suction casting. <i>Materials Science and Technology</i> , 2010, 26, 164-168.	1.6	12
88	Shear Strength Optimization of Laser-Joined Polyphenylene Sulfide-Based CFRTP and Stainless Steel. <i>Strength of Materials</i> , 2018, 50, 824-831.	0.5	12
89	Influence of Ho and Hf on the microstructure and mechanical properties of NiAl and NiAl-Cr(Mo) eutectic alloy. <i>Materials Research Express</i> , 2019, 6, 046502.	1.6	12
90	Microstructure and wear behaviour of ceramic particles strengthening NiAl based composite. <i>Materials Research Innovations</i> , 2014, 18, S4-544-S4-549.	2.3	11

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91	Microstructure and Wear Properties of the Quasi-Rapidly Solidified NiAl/Cr(Mo,Dy) Hypoeutectic Alloy. <i>Strength of Materials</i> , 2016, 48, 107-112.	0.5	11
92	Comparative evaluation of the biocompatible and physical-chemical properties of poly(lactide-co-glycolide) and polydopamine as coating materials for bacterial cellulose. <i>Journal of Materials Chemistry B</i> , 2019, 7, 630-639.	5.8	11
93	4SCAR2.0: a multi-CAR-T therapy regimen for the treatment of relapsed/refractory B cell lymphomas. <i>Blood Cancer Journal</i> , 2021, 11, 59.	6.2	11
94	Study on the Microstructure and Mechanical Properties of a Ti/Mg Alloy Clad Plate Produced by Explosive Welding. <i>Metals</i> , 2022, 12, 399.	2.3	11
95	Thermally stable coherent domain boundaries in complex-structured Cr ₂ Nb intermetallics. <i>Philosophical Magazine</i> , 2016, 96, 58-70.	1.6	10
96	Experimental determination of the phase equilibrium in the Mg-Cu-Ca ternary system at 350°C. <i>Journal of Alloys and Compounds</i> , 2020, 818, 152865.	5.5	9
97	Experimental investigation and thermodynamic modeling of the Mg-Sn-Sr ternary system. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2021, 72, 102237.	1.6	9
98	Effects of laser hybrid interfacial pretreatment on enhancing the carbon fiber reinforced thermosetting composites and TC4 alloy heterogeneous joint. <i>Materials Today Communications</i> , 2022, 30, 103142.	1.9	9
99	Graphene foam/hydrogel scaffolds for regeneration of peripheral nerve using ADSCs in a diabetic mouse model. <i>Nano Research</i> , 2022, 15, 3434-3445.	10.4	9
100	Assessment of the Microstructure and Mechanical Properties of a Laser-Joined Carbon Fiber-Reinforced Thermosetting Plastic and Stainless Steel. <i>Strength of Materials</i> , 2018, 50, 752-763.	0.5	8
101	Investigation on metallic glass formation in Mg-Zn-Sr ternary system combined with the CALPHAD method. <i>Materials Letters</i> , 2019, 256, 126628.	2.6	8
102	Hemophilia Gene Therapy: New Development from Bench to Bed Side. <i>Current Gene Therapy</i> , 2019, 19, 264-273.	2.0	8
103	Numerical Simulation on Pulsed Laser Ablation of the Single-Crystal Superalloy Considering Material Moving Front and Effect of Comprehensive Heat Dissipation. <i>Micromachines</i> , 2021, 12, 225.	2.9	8
104	Safety and efficacy of nano lamellar TiN coatings on nitinol atrial septal defect occluders in vivo. <i>Materials Science and Engineering C</i> , 2013, 33, 1355-1360.	7.3	7
105	Influence of Multi-Pass Hot Extrusion on Microstructure and Mechanical Properties of the Mg ₄ Zn _{1.2} Y _{0.8} Nd Alloy. <i>Crystals</i> , 2021, 11, 425.	2.2	7
106	MICROSTRUCTURE AND MECHANICAL PROPERTIES OF LAVES PHASE STRENGTHENING NiAl BASE COMPOSITE FABRICATED BY RAPID SOLIDIFICATION. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2013, 49, 1318.	0.3	7
107	Microstructure and room temperature mechanical properties of Hf and Sn-doped Nb-20Ti-5Cr-3Al-18Si alloy. <i>International Journal of Materials Research</i> , 2008, 99, 1275-1279.	0.3	6
108	Single-neuron axonal pathfinding under geometric guidance: low-dose-methylmercury developmental neurotoxicity test. <i>Lab on A Chip</i> , 2014, 14, 3564.	6.0	6

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109	Microstructural Characteristics and Mechanical Properties of a Nb/Nb ₅ Si ₃ based Composite with and without Directional Solidification. <i>Advanced Composites Letters</i> , 2018, 27, 096369351802700.	1.3	6
110	Optimization of the Microstructure and Mechanical Properties of a Laves Phase-Strengthened Hypoeutectic NiAl/Cr(Mo,W) Alloy by Suction Casting. <i>Strength of Materials</i> , 2018, 50, 504-514.	0.5	6
111	Shuffle and glide mechanisms of prismatic dislocations in a hexagonal $C_{14}Mn_8Mg_2$ -type Laves-phase intermetallic compound. <i>Physical Review B</i> , 2020, 102, .		
112	Microstructure and mechanical properties of NiAl-Cr(Mo)-Hf/Ho near-eutectic alloy prepared by suction casting. <i>International Journal of Materials Research</i> , 2009, 100, 1602-1606.	0.3	6
113	Punch through float-zone silicon phototransistors with high linearity and sensitivity. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2005, 547, 437-449.	1.6	5
114	Effect of the Surface Texture on Laser Joining of a Carbon Fiber-Reinforced Thermosetting Plastic and Stainless Steel. <i>Strength of Materials</i> , 2019, 51, 122-129.	0.5	5
115	EFFECTS OF RARE EARTH ELEMENT Gd ON THE MICROSTRUCTURE AND MECHANICAL PROPERTIES OF NiAl-Cr(Mo)-Hf EUTECTIC ALLOY. <i>Jinshu Xuebao/Acta Metallurgica Sinica</i> , 2010, 46, 528-532.	0.3	5
116	Corrosion Behavior of TiNi Alloy Fabricated by Selective Laser Melting in Simulated Saliva. <i>Coatings</i> , 2022, 12, 840.	2.6	5
117	Influence of heat treatment and hot extrusion on the microstructure and tensile properties of rare earth modified Mg-Zn based alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 292, 012041.	0.6	4
118	Effect of heat treatment on morphology evolution of Ti ₂ Ni phase in Ti-Ni-Al-Zr alloy. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 322, 022040.	0.6	4
119	Preparation of single-phase Ti ₂ AlN coating by magnetron sputtering with cost-efficient hot-pressed Ti-Al-N targets. <i>Ceramics International</i> , 2018, 44, 17530-17534.	4.8	4
120	A Co-Cr-Ni-W-C Alloy Processed by Multiple Rolling. <i>Strength of Materials</i> , 2020, 52, 103-109.	0.5	4
121	Inhibiting effect of I-phase formation on the plastic instability of the duplex structured Mg-8Li-6Zn-1.2Y (in wt.%) alloy. <i>Journal of Magnesium and Alloys</i> , 2023, 11, 2196-2204.	11.9	4
122	Improved Non-Piezoelectric Electric Properties Based on La Modulated Ferroelectric-Ergodic Relaxor Transition in (Bi _{0.5} Na _{0.5})TiO ₃ -Ba(Ti, Zr)O ₃ Ceramics. <i>Materials</i> , 2021, 14, 6666.	2.9	4
123	Development of a cellulose-based prosthetic mesh for pelvic organ prolapse treatment: In vivo long-term evaluation in an ewe vagina model. <i>Materials Today Bio</i> , 2021, 12, 100172.	5.5	4
124	Microstructure characteristics and mechanical properties of NiAl/Cr(Hf, Ho) in situ composite. <i>Materials Research Innovations</i> , 2015, 19, S9-111-S9-115.	2.3	3
125	Microstructure evolution of a Ti-Al-Sn-Zr based alloy during the hot compression deformation. <i>Materials Express</i> , 2019, 9, 1127-1133.	0.5	3
126	Fabrication of Cr ₂ AlC coating from a cost-efficient Cr-Al-C target by arc ion plating. <i>Surface Innovations</i> , 2019, 7, 4-9.	2.3	3

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127	Effect of CaCl ₂ and NaHCO ₃ in Physiological Saline Solution on the Corrosion Behavior of an As-Extruded Mg-Zn-Y-Nd alloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 239-247.	2.9	3
128	Experimental measurement on the phase equilibria of the Mg-Ag-Cu ternary system at 350 and 400°C. <i>Journal of Magnesium and Alloys</i> , 2022, 10, 449-457.	11.9	3
129	Effects of Grain Refinement on the Low-Cycle Fatigue Behavior of IN792 Superalloys. <i>Crystals</i> , 2021, 11, 892.	2.2	3
130	Investigation of Al-Si-Cu-Zn-Y-Base Alloy Powders Prepared by Ultrasonic Gas Atomization for Brazing of an Al-Base Alloy. <i>Strength of Materials</i> , 2021, 53, 591-600.	0.5	3
131	The Effect of Gallium on the Mechanical Properties of Superalloy K444. <i>Advanced Materials Research</i> , 0, 452-453, 31-34.	0.3	2
132	Carbide Evolution of a Directionally Solidified Ni-Based Superalloy during Long-Term Exposure. <i>Advanced Materials Research</i> , 0, 452-453, 72-76.	0.3	2
133	Microstructure Characterization and Mechanical Properties of a Zn and Rare Earth Modified Mg Alloy. <i>Applied Mechanics and Materials</i> , 2015, 727-728, 111-114.	0.2	2
134	Elevated temperature compressive behavior of Nb-22Ti-16Si-7Cr-3Al-3Ta-2Hf alloy with minor Ho addition. <i>International Journal of Materials Research</i> , 2008, 99, 228-232.	0.3	2
135	A Research on Delayed Thermal Depolarization, Electric Properties, and Stress in (Bi _{0.5} Na _{0.5})TiO ₃ -Based Ceramic Composites. <i>Materials</i> , 2022, 15, 3180.	2.9	2
136	Investigation on Microstructure and Mechanical Properties of Directional Solidified DZ417G Alloy with Different Proportion of Recycling Alloy. <i>Advanced Materials Research</i> , 0, 452-453, 46-50.	0.3	1
137	Investigation on B, Cr Doped Ni ₃ Al Alloy Prepared by Self-Propagation High-Temperature Synthesis and Hot Extrusion. <i>Materials Science Forum</i> , 2013, 747-748, 124-131.	0.3	1
138	Characterization on the Precipitates in the Ti-Ni-Al-Zr Alloy during Heat Treatment. <i>Applied Mechanics and Materials</i> , 2015, 727-728, 103-106.	0.2	1
139	Microstructure and mechanical properties of zirconium doped NiAl/Cr(Mo) hypoeutectic alloy prepared by injection casting. <i>IOP Conference Series: Materials Science and Engineering</i> , 2017, 167, 012052.	0.6	1
140	Experimental and Numerical Study on the Dehumidification Performance of KCOOH Solution. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	1
141	Characterization of Ni ₃ Al Alloy Fabricated by Thermal Explosion and Hot Extrusion Process. <i>Medziagotyra</i> , 2018, 24, .	0.2	1
142	Research on microstructure properties of the TiC/Ni-Fe-Al coating prepared by laser cladding technology. , 2017, , .		1
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