

Yongchang Liu

List of Publications by Year in descending order

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151
papers

2,463
citations

257101

24
h-index

301761

39
g-index

151
all docs

151
docs citations

151
times ranked

1814
citing authors

#	ARTICLE	IF	CITATIONS
1	Precipitate coarsening and its effects on the hot deformation behavior of the recently developed γ' -strengthened superalloys. <i>Journal of Materials Science and Technology</i> , 2021, 67, 95-104.	5.6	104
2	High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. <i>ACS Catalysis</i> , 2020, 10, 9725-9734.	5.5	100
3	Deformation behavior and processing maps of Ni ₃ Al-based superalloy during isothermal hot compression. <i>Journal of Alloys and Compounds</i> , 2017, 712, 687-695.	2.8	90
4	Achieving high strength and ductility in ODS-W alloy by employing oxide@W core-shell nanopowder as precursor. <i>Nature Communications</i> , 2021, 12, 5052.	5.8	87
5	Coarsening behavior of γ' precipitates in the γ' + γ area of a Ni ₃ Al-based alloy. <i>Journal of Alloys and Compounds</i> , 2019, 771, 526-533.	2.8	86
6	Metal-organic framework derived copper catalysts for CO ₂ to ethylene conversion. <i>Journal of Materials Chemistry A</i> , 2020, 8, 11117-11123.	5.2	82
7	Effect of annealing treatment on microstructure evolution and creep behavior of a multiphase Ni ₃ Al-based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 743, 623-635.	2.6	68
8	Synthesis of nanosized composite powders via a wet chemical process for sintering high performance W-Y ₂ O ₃ alloy. <i>International Journal of Refractory Metals and Hard Materials</i> , 2017, 69, 266-272.	1.7	58
9	Multifunctional Naphthol Sulfonic Salt Incorporated in Lead-Free 2D Tin Halide Perovskite for Red Light-Emitting Diodes. <i>ACS Photonics</i> , 2020, 7, 1915-1922.	3.2	52
10	Boride-derived oxygen-evolution catalysts. <i>Nature Communications</i> , 2021, 12, 6089.	5.8	51
11	Hot compression deformation behavior and processing maps of ATI 718Plus superalloy. <i>Journal of Alloys and Compounds</i> , 2020, 835, 155195.	2.8	50
12	Micro-organic single crystalline phototransistors of 7,7,8,8-tetracyanoquinodimethane and tetrathiafulvalene. <i>Applied Physics Letters</i> , 2009, 94, .	1.5	42
13	Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. <i>ACS Nano</i> , 2021, 15, 10553-10564.	7.3	37
14	Fabrication of multi-element alloys by twin wire arc additive manufacturing combined with in-situ alloying. <i>Materials Research Letters</i> , 2020, 8, 477-482.	4.1	36
15	The simultaneous improvements of strength and ductility in W-Y ₂ O ₃ alloy obtained via an alkaline hydrothermal method and subsequent low temperature sintering. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 784, 139329.	2.6	36
16	Effects of Zr Addition on Strengthening Mechanisms of Al-Alloyed High-Cr ODS Steels. <i>Materials</i> , 2018, 11, 118.	1.3	35
17	Microstructure Refinement in W-Y ₂ O ₃ Alloy Fabricated by Wet Chemical Method with Surfactant Addition and Subsequent Spark Plasma Sintering. <i>Scientific Reports</i> , 2017, 7, 6051.	1.6	32
18	The synthesis of composite powder precursors via chemical processes for the sintering of oxide dispersion-strengthened alloys. <i>Materials Chemistry Frontiers</i> , 2019, 3, 1952-1972.	3.2	32

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19	Improved analytical model for isochronal transformation kinetics. <i>Journal of Materials Science</i> , 2008, 43, 4876-4885.	1.7	31
20	Improvement of High-Temperature Mechanical Properties of Low-Carbon RAFM Steel by MX Precipitates. <i>Acta Metallurgica Sinica (English Letters)</i> , 2018, 31, 706-712.	1.5	31
21	Adjusting tetrathiafulvalene (TTF) functionality through molecular design for organic field-effect transistors. <i>CrystEngComm</i> , 2014, 16, 5968.	1.3	30
22	Evaluation of cooling rate on electrochemical behavior of Sn-0.3Ag-0.9Zn solder alloy in 3.5wt% NaCl solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2015, 26, 11-22.	1.1	30
23	Eliminating bimodal structures of W-Y ₂ O ₃ composite nanopowders synthesized by wet chemical method via controlling reaction conditions. <i>Journal of Alloys and Compounds</i> , 2019, 774, 122-128.	2.8	30
24	Accelerated sintering of high-performance oxide dispersion strengthened alloy at low temperature. <i>Acta Materialia</i> , 2021, 220, 117309.	3.8	30
25	The Effect of Precipitate Evolution on Austenite Grain Growth in RAFM Steel. <i>Materials</i> , 2017, 10, 1017.	1.3	25
26	Microstructure evolution behavior of Ni ₃ Al (β) phase in eutectic β of Ni ₃ Al-based alloy. <i>Intermetallics</i> , 2018, 98, 28-33.	1.8	24
27	Influences of solution cooling rate on microstructural evolution of a multiphase Ni ₃ Al-based intermetallic alloy. <i>Intermetallics</i> , 2019, 109, 48-59.	1.8	24
28	Ultra-fine W-Y ₂ O ₃ composite powders prepared by an improved chemical co-precipitation method and its interface structure after spark plasma sintering. <i>Tungsten</i> , 2019, 1, 220-228.	2.0	23
29	Precipitation behavior of type 347H heat-resistant austenitic steel during long-term high-temperature aging. <i>Journal of Materials Research</i> , 2015, 30, 3642-3652.	1.2	22
30	Development of ferrite/bainite bands and study of bainite transformation retardation in HSLA steel during continuous cooling. <i>Metals and Materials International</i> , 2014, 20, 19-25.	1.8	21
31	Formation of MgO whiskers on the surface of bulk MgB ₂ superconductors during in situ sintering. <i>Journal of Materials Science</i> , 2008, 43, 1438-1443.	1.7	20
32	Martensite transformation in the modified high Cr ferritic heat-resistant steel during continuous cooling. <i>Journal of Materials Research</i> , 2012, 27, 2779-2789.	1.2	20
33	High performance MgB ₂ superconducting wires fabricated by improved internal Mg diffusion process at a low temperature. <i>Journal of Materials Chemistry C</i> , 2016, 4, 9469-9475.	2.7	20
34	Acicular ferrite formation during isothermal holding in HSLA steel. <i>Journal of Materials Science</i> , 2016, 51, 3555-3563.	1.7	20
35	Kinetics of isochronal austenization in modified high Cr ferritic heat-resistant steel. <i>Applied Physics A: Materials Science and Processing</i> , 2011, 105, 949-957.	1.1	19
36	Microstructure refinement in W-Y ₂ O ₃ alloys via an improved hydrothermal synthesis method and low temperature sintering. <i>Inorganic Chemistry Frontiers</i> , 2020, 7, 659-666.	3.0	19

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37	Processing maps and microstructural evolution of the type 347H austenitic heat-resistant stainless steel. <i>Journal of Materials Research</i> , 2015, 30, 2090-2100.	1.2	18
38	Tuning Superconductivity in FeSe Thin Films via Magnesium Doping. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 7891-7896.	4.0	18
39	Hot deformation behavior of Ti-22Al-25Nb alloy by processing maps and kinetic analysis. <i>Journal of Materials Research</i> , 2016, 31, 1764-1772.	1.2	18
40	Study on microstructural evolution and constitutive modeling for hot deformation behavior of a low-carbon RAFM steel. <i>Journal of Materials Research</i> , 2017, 32, 1376-1385.	1.2	18
41	Formation of Fine B ₂ /Î ² Structure and Enhancement of Hardness in the Aged Ti2AlNb-Based Alloys Prepared by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017, 48, 4365-4371.	1.1	18
42	Precipitation and growth behavior of mushroom-like Ni3Al. <i>Materials Letters</i> , 2018, 211, 5-8.	1.3	18
43	Consideration of the growth mode in isochronal austenite-ferrite transformation of ultra-low-carbon Fe-C alloy. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 98, 211-217.	1.1	17
44	Phase formation sequence of high-temperature Zn-4Al-3Mg solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 336-344.	1.1	17
45	Microstructural evolution of oxide-dispersion-strengthened Fe-Cr model steels during mechanical milling and subsequent hot pressing. <i>Journal of Materials Science</i> , 2013, 48, 1826-1836.	1.7	17
46	Analysis of the Effect of Tungsten Inert Gas Welding Sequences on Residual Stress and Distortion of CFETR Vacuum Vessel Using Finite Element Simulations. <i>Metals</i> , 2018, 8, 912.	1.0	17
47	Cyclic oxidation behavior of Ni3Al-based superalloy. <i>Vacuum</i> , 2019, 169, 108938.	1.6	17
48	Hot Deformation Behavior and Microstructure Evolution of 14Cr ODS Steel. <i>Materials</i> , 2018, 11, 1044.	1.3	16
49	Enhanced mechanical properties in oxide-dispersion-strengthened alloys achieved via interface segregation of cation dopants. <i>Science China Materials</i> , 2021, 64, 987-998.	3.5	16
50	The isochronal Î ² transformation of high Cr ferritic heat-resistant steel during cooling. <i>Journal of Materials Science</i> , 2011, 46, 6910-6915.	1.7	15
51	Formation and widening mechanisms of envelope structure and its effect on creep behavior of a multiphase Ni3Al-based intermetallic alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 763, 138158.	2.6	15
52	Precipitation and growth behavior of Î ² phase in Ni3Al-based superalloy under thermal exposure. <i>Journal of Materials Science</i> , 2019, 54, 13368-13377.	1.7	15
53	Formation mechanisms of Y-Al-O complex oxides in 9Cr-ODS steels with Al addition. <i>Journal of Materials Science</i> , 2019, 54, 7893-7907.	1.7	15
54	Enhanced superconductivity induced by several-unit-cells diffusion in an FeTe/FeSe bilayer heterostructure. <i>Physical Review B</i> , 2019, 99, .	1.1	15

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55	The effects of third alloying elements on the bulk Ag ₃ Sn formation in slowly cooled Sn-3.5Ag lead-free solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2008, 19, 275-280.	1.1	14
56	Effects of cold rolling on the precipitation and the morphology of γ' -phase in Inconel 718 alloy. <i>Journal of Materials Research</i> , 2016, 31, 443-454.	1.2	14
57	Enhancement of superconductivity in FeNb _x Se _{0.95} by hole carrier doping. <i>Journal of Materials Chemistry C</i> , 2019, 7, 10019-10027.	2.7	14
58	Abnormal growth of Ag ₃ Sn intermetallic compounds in Sn-Ag lead-free solder. <i>Science Bulletin</i> , 2006, 51, 1766-1770.	1.7	13
59	Hot deformation behavior and microstructural evolution of Nb-V-Ti microalloyed ultra-high strength steel. <i>Journal of Materials Research</i> , 2017, 32, 3777-3787.	1.2	13
60	Characterization of 14Cr ODS Steel Fabricated by Spark Plasma Sintering. <i>Metals</i> , 2019, 9, 200.	1.0	13
61	Characterization of γ' precipitate and γ'/γ interface in polycrystalline Ni ₃ Al-based superalloys. <i>Vacuum</i> , 2020, 176, 109310.	1.6	13
62	Effect of M ₃ C on the Precipitation Behavior of M ₂₃ C ₆ Phase during Early Stage of Tempering in T91 Ferritic Steel. <i>Steel Research International</i> , 2011, 82, 1362-1367.	1.0	12
63	Kinetics of Martensite Formation in Substitutional Fe-Al Alloys: Dilatometric Analysis. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 1430-1440.	1.1	12
64	Precipitation kinetics of M ₂₃ C ₆ in T/P92 heat-resistant steel by applying soft-impingement correction. <i>Journal of Materials Research</i> , 2013, 28, 1529-1537.	1.2	12
65	Microstructural evolution and phase transformation of Ni ₃ Al-based superalloys after thermal exposure. <i>Vacuum</i> , 2020, 171, 109038.	1.6	12
66	Influence of Yttrium Addition on the Reduction Property of Tungsten Oxide Prepared via Wet Chemical Method. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 275-280.	1.5	12
67	Microstructure Evolution of Primary γ' Phase in Ni ₃ Al-Based Superalloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1709-1726.	1.5	12
68	Observation of Flux Jump in (MgB ₂) _{0.96} Ni _{0.04} Superconductor Doped with Milled Ni powders. <i>Journal of Superconductivity and Novel Magnetism</i> , 2011, 24, 2013-2017.	0.8	11
69	Microstructure evolution and martensitic transformation behaviors of 9Cr-1.8W-0.3Mo ferritic heat-resistant steel during quenching and partitioning treatment. <i>Journal of Materials Research</i> , 2013, 28, 2835-2843.	1.2	11
70	Effects of aging on shape memory and wear resistance of a Fe-Mn-Si-based alloy. <i>Journal of Materials Research</i> , 2014, 29, 2809-2816.	1.2	11
71	Effects of Static Recrystallization and Precipitation on Mechanical Properties of 00Cr12 Ferritic Stainless Steel. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2018, 49, 1560-1567.	1.0	11
72	Influence of cooling rates on microstructure and tensile properties of a heat treated Ti ₂ AlNb-based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 817, 141345.	2.6	11

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73	Kinetic consideration for the incubation of the phase transformation and its application to the crystallization of Amorphous alloy. Applied Physics A: Materials Science and Processing, 2008, 92, 703-707.	1.1	10
74	Effects of Thermal Aging on Microstructure and Microhardness of Sn-3.7Ag-0.9Zn-1In Solder. Journal of Electronic Materials, 2009, 38, 345-350.	1.0	10
75	Approaches for isochronal transformation kinetics model and their application to the crystallization of amorphous alloys. Applied Physics A: Materials Science and Processing, 2009, 96, 721-729.	1.1	10
76	The Sintering Process and Reaction Kinetics of Fe-Se System after Ball Milling Treatment. Journal of Superconductivity and Novel Magnetism, 2014, 27, 775-780.	0.8	10
77	Microstructure and Mechanical Properties of Ti ₂ AlNb-Based Alloys Synthesized by Spark Plasma Sintering from Pre-Alloyed and Ball-Milled Powder. Advanced Engineering Materials, 2018, 20, 1700659.	1.6	10
78	Austenitizing Temperature Effects on the Martensitic Transformation, Microstructural Characteristics, and Mechanical Performance of Modified Ferritic Heat-Resistant Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 3525-3538.	1.1	10
79	Precipitation of intersected plate-like β phase in α and its effect on creep behavior of multiphase Ni ₃ Al-based intermetallic alloy. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 767, 138439.	2.6	10
80	Hot Deformation Behavior and Recrystallization Mechanism in an As-Cast CoNi-Based Superalloy. Metals and Materials International, 2022, 28, 1488-1498.	1.8	10
81	Lattice mismatch in Ni ₃ Al-based alloy for efficient oxygen evolution. Journal of Materials Science and Technology, 2022, 106, 19-27.	5.6	10
82	Superconducting properties of Y ₂ O ₃ /SiC Co-doped bulk MgB ₂ . Journal of Superconductivity and Novel Magnetism, 2012, 25, 357-361.	0.8	9
83	Isochronal Phase Transformations of Low-Carbon High Strength Low Alloy Steel upon Continuous Cooling. Steel Research International, 2013, 84, 184-191.	1.0	9
84	The formation of nano-layered grains and their enhanced superconducting transition temperature in Mg-doped FeSe _{0.9} bulks. Scientific Reports, 2015, 4, 6481.	1.6	9
85	Flow Characteristics of a Medium-High Carbon Mn-Si-Cr Alloyed Steel at High Temperatures. Journal of Materials Engineering and Performance, 2019, 28, 5104-5115.	1.2	9
86	Formation of multiply twinned martensite plates in rapidly solidified Ni ₃ Al-based superalloys. Materials Letters, 2019, 250, 147-150.	1.3	9
87	Microstructure and mechanical properties of Lead-free Sn-Cu solder composites prepared by rapid directional solidification. Journal of Materials Science: Materials in Electronics, 2007, 18, 1235-1238.	1.1	8
88	Effect of high-temperature annealing on the microstructural formation of Sn-3.7Ag-0.9Zn-xAl lead-free solder. Journal of Materials Science: Materials in Electronics, 2009, 20, 139-143.	1.1	8
89	Research on splitting phenomenon of isochronal martensitic transformation in T91 ferritic steel. Phase Transitions, 2012, 85, 461-470.	0.6	8
90	Comparison of carbon-doped MgB ₂ bulks fabricated from pre-synthesized Mg/CNT and Mg/amorphous carbon composites. Applied Physics A: Materials Science and Processing, 2014, 114, 919-924.	1.1	8

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91	Microstructure Evolution of HSLA Pipeline Steels after Hot Uniaxial Compression. <i>Materials</i> , 2016, 9, 721.	1.3	8
92	The isotope effect of boron on the carbon doping and critical current density of Mg ¹¹ B ₂ superconductors. <i>Journal of Materials Chemistry C</i> , 2017, 5, 663-668.	2.7	8
93	Herringbone Structure and Significantly Enhanced Hardness in W-Modified Ti ₂ AlNb Alloys by Spark Plasma Sintering. <i>Metals and Materials International</i> , 2019, 25, 1000-1007.	1.8	8
94	Helium bubble evolution and deformation of single crystal $\hat{\pm}$ -Fe. <i>Journal of Materials Science</i> , 2019, 54, 1785-1796.	1.7	8
95	Characterization of Microstructure and Stress Corrosion Cracking Susceptibility in a Multi-pass Austenitic Stainless Steel Weld Joint by Narrow-Gap TIG. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020, 51, 4549-4562.	1.1	8
96	The Correlation Between the Microstructural Parameters and Mechanical Properties of Reduced Activation Ferriticâ€“Martensitic (RAFM) Steel: Influence of Roll Deformation and Medium Temperature Tempering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 119-128.	1.1	8
97	Critical temperature for massive transformation in ultra-low-carbon Feâ€“C alloys. <i>International Journal of Materials Research</i> , 2008, 99, 925-932.	0.1	7
98	Doping-Induced Isotopic Mg ₁₁ B ₂ Bulk Superconductor for Fusion Application. <i>Energies</i> , 2017, 10, 409.	1.6	7
99	Deformation Mechanism of L1 ₂ â€“ $\hat{\pm}$ Phase in Bimodal $\hat{\pm}$ Precipitation Hardened Inconel 718 Superalloy. <i>Advanced Engineering Materials</i> , 2018, 20, 1800652.	1.6	7
100	Diffusion Bonding of 9Cr Martensitic/Ferritic Heat-Resistant Steels with an Electrodeposited Ni Interlayer. <i>Metals</i> , 2018, 8, 1012.	1.0	7
101	Influence of Al Addition Upon the Microstructure and Mechanical Property of Dual-Phase 9Cr-ODS Steels. <i>Metals and Materials International</i> , 2019, 25, 168-178.	1.8	7
102	Effect of interlayer on microstructure and mechanical properties of diffusional-bonded Ni ₃ Al-based superalloy/S31042 steel joint. <i>Journal of Manufacturing Processes</i> , 2021, 72, 252-261.	2.8	7
103	Effects of thermal treatment on microstructure and microhardness of rapidly solidified Snâ€“Agâ€“Zn eutectic solder. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 95, 409-413.	1.1	6
104	Martensiteâ€“austenite transformation kinetics of high Cr ferritic heat-resistant steel. <i>International Journal of Materials Research</i> , 2013, 104, 935-940.	0.1	6
105	Improved Superconducting properties in the Mg ₁₁ B ₂ low activation superconductor prepared by low-temperature sintering. <i>Scientific Reports</i> , 2016, 6, 25498.	1.6	6
106	Hot Deformation Behavior of ATI 718Plus Alloy with Different Microstructures. <i>Acta Metallurgica Sinica (English Letters)</i> , 0, , 1.	1.5	6
107	Precipitates evolution and tensile behavior of wrought Ni-based ATI 718Plus superalloy during long-term thermal exposure. <i>Science China Technological Sciences</i> , 2022, 65, 1283-1299.	2.0	6
108	Superconducting properties and growth mechanism of layered structure in MgB ₂ bulks with Cu/Y ₂ O ₃ co-doping. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 1451-1457.	1.1	5

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109	Bainitic transformation behavior of ultra-high strength 30CrNi3MoV steel after experiencing small deformation in the nonrecrystallization austenite region. <i>Journal of Materials Research</i> , 2013, 28, 2844-2851.	1.2	5
110	Relationship between austenite stability and martensite formation in modified 9Cr-1Mo steel. <i>International Journal of Materials Research</i> , 2014, 105, 232-239.	0.1	5
111	Influence of aging on shape memory effect and corrosion resistance of a new Fe-Mn-Si-based alloy. <i>Journal of Materials Research</i> , 2015, 30, 179-185.	1.2	5
112	Effects of morphology of Mg powder precursor on phase formation and superconducting properties of Mg ₁₁ B ₂ low activation superconductor. <i>Journal of Materials Chemistry C</i> , 2018, 6, 8069-8075.	2.7	5
113	Creep behaviors of multiphase Ni ₃ Al-based intermetallic alloy after 1000°C-1000h long-term aging at intermediate temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 790, 139701.	2.6	5
114	Microstructure and Tensile Strength of the Bonded Interfaces and Parent Materials in W/ODS Steel Joints Fabricated by Direct SSDB. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2021, 52, 3647-3660.	1.1	5
115	Abnormal austenite-ferrite transformation behavior in pure iron. <i>Science Bulletin</i> , 2004, 49, 972-975.	1.7	4
116	Influence of Premilling Time on the Sintering Process and Superconductive Properties of FeSe. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 7300105-7300105.	1.1	4
117	Bainite Formation Kinetics During Isothermal Holding in Modified High Cr Ferritic Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2013, 44, 5447-5455.	1.1	4
118	Microstructural evolution of MgAl ₂ O ₄ oxide-dispersion-strengthened alloy by mechanical milling and hot isostatic pressing. <i>Journal of Materials Research</i> , 2014, 29, 1440-1447.	1.2	4
119	Thermodynamic and kinetic evidence for MgO formation and pinning behavior in glycine-doped MgB ₂ bulks. <i>Journal of Materials Science</i> , 2016, 51, 2665-2676.	1.7	4
120	Precipitation of Carbides and Dissolution of Widmanstätten Structure for Enhanced Hardness in Ti ₂ AlNb-Based Alloys. <i>Journal of Materials Engineering and Performance</i> , 2019, 28, 1892-1901.	1.2	4
121	Residual Ferrite Control of 9Cr ODS Steels by Tailoring Reverse Austenite Transformation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 187-195.	1.5	4
122	Short-term corrosion behavior of polycrystalline Ni ₃ Al-based superalloy in sulfur-containing atmosphere. <i>Intermetallics</i> , 2022, 142, 107446.	1.8	4
123	Effect of microstructure on temperature dependence of deformation behavior in polycrystalline CoNi-based superalloy. <i>Journal of Materials Science</i> , 2022, 57, 687-699.	1.7	4
124	A Novel Approach for Efficient Ni Nanoparticle Doping of MgB ₂ by Liquid-Assisted Sintering. <i>IEEE Nanotechnology Magazine</i> , 2011, 10, 331-337.	1.1	3
125	Influence of Ni addition on the process of phase formation in MgB ₂ bulk. <i>Applied Physics A: Materials Science and Processing</i> , 2012, 107, 877-883.	1.1	3
126	Microstructure and interface evolution of Sn-2.5Bi-1.4In-1Zn-0.3Ag/Cu joint during isothermal aging. <i>Journal of Materials Science: Materials in Electronics</i> , 2013, 24, 4122-4128.	1.1	3

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127	The effect of ball-milling treatment of original powders on the sintering process and critical current density of graphite-doped MgB2 bulks. <i>Journal of Materials Science</i> , 2013, 48, 2485-2489.	1.7	3
128	Enhancement of Critical Current Density in MgB2 Bulk with CNT-coated Al Addition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014, 27, 1659-1664.	0.8	3
129	Non-instantaneous growth characteristics of martensitic transformation in high Cr ferritic creep-resistant steel. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	3
130	Evaluation of quenching-induced lattice strain and superconducting properties in un-doped and glycine-doped MgB2 bulks. <i>Journal of Materials Science: Materials in Electronics</i> , 2016, 27, 9431-9436.	1.1	3
131	Induction of diffusion and construction of metallurgical interfaces directly between immiscible Mo and Ag by irradiation-induced point defects. <i>RSC Advances</i> , 2017, 7, 53763-53769.	1.7	3
132	Scattering effect of the well-ordered MgB4 impurity phase in two-step sintered polycrystalline MgB2 with glycine addition. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	3
133	Removal of MgO and enhancement of critical current density in urea-doped MgB2 bulks by melting impregnation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017, 28, 15625-15629.	1.1	3
134	Enhancement of critical current density in MgB2 bulks burying sintered with commercial MgB2 powder. <i>Journal of Materials Science: Materials in Electronics</i> , 2018, 29, 10323-10328.	1.1	3
135	Enhancement of critical current density by borohydride pinning in H-doped MgB2 bulks. <i>Journal of Applied Physics</i> , 2019, 125, 113901.	1.1	3
136	On the Process Variables and Weld Quality of a Linear Friction Welded Dissimilar Joint between S31042 and S34700 Austenitic Steels. <i>Advanced Engineering Materials</i> , 2019, 21, 1801354.	1.6	3
137	Mechanical Performances of Al-Si-Mg Alloy with Dilute Sc and Sr Elements. <i>Materials</i> , 2020, 13, 665.	1.3	3
138	The effect of Cu addition on the sintering process and superconductive properties of $\frac{1}{4}$ m-SiC-doped MgB2 bulks. <i>Applied Physics A: Materials Science and Processing</i> , 2009, 96, 975-978.	1.1	2
139	Effects of Ball Milling on the Sintering Process and Superconducting Properties of $(\text{MgB}_2)_{0.96}(\text{Ni})_{0.04}$ Bulks. <i>IEEE Transactions on Applied Superconductivity</i> , 2012, 22, 6800405-6800405.	1.1	2
140	Correlation between Zn-Rich Phase and Corrosion/Oxidation Behavior of $\text{Sn}-8\text{Zn}-3\text{Bi}$ Alloy. <i>Metals</i> , 2016, 6, 175.	1.0	2
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