

Yongchang Liu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

149
papers

1,579
citations

19
h-index

29
g-index

151
ext. papers

2,028
ext. citations

3.7
avg, IF

5.14
L-index

| # | Paper | IF | Citations |
|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 149 | Effect of microstructure on temperature dependence of deformation behavior in polycrystalline CoNi-based superalloy. <i>Journal of Materials Science</i> , 2022 , 57, 687-699 | 4.3 | 0 |
| 148 | Short-term corrosion behavior of polycrystalline Ni3Al-based superalloy in sulfur-containing atmosphere. <i>Intermetallics</i> , 2022 , 142, 107446 | 3.5 | 1 |
| 147 | Boride-derived oxygen-evolution catalysts. <i>Nature Communications</i> , 2021 , 12, 6089 | 17.4 | 11 |
| 146 | Effect of interlayer on microstructure and mechanical properties of diffusional-bonded Ni3Al-based superalloy/S31042 steel joint. <i>Journal of Manufacturing Processes</i> , 2021 , 72, 252-261 | 5 | 1 |
| 145 | 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 | 2.3 | 1 |
| 144 | Influence of cooling rates on microstructure and tensile properties of a heat treated Ti2AlNb-based alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 817, 141345 | 5.3 | 0 |
| 143 | Self-Constructed Multiple Plasmonic Hotspots on an Individual Fractal to Amplify Broadband Hot Electron Generation. <i>ACS Nano</i> , 2021 , 15, 10553-10564 | 16.7 | 19 |
| 142 | Precipitate coarsening and its effects on the hot deformation behavior of the recently developed O ₃ strengthened superalloys. <i>Journal of Materials Science and Technology</i> , 2021 , 67, 95-104 | 9.1 | 33 |
| 141 | Enhanced mechanical properties in oxide-dispersion-strengthened alloys achieved via interface segregation of cation dopants. <i>Science China Materials</i> , 2021 , 64, 987-998 | 7.1 | 9 |
| 140 | The Correlation Between the Microstructural Parameters and Mechanical Properties of Reduced Activation Ferritic/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 | 2.3 | 2 |
| 139 | Residual Ferrite Control of 9Cr ODS Steels by Tailoring Reverse Austenite Transformation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 187-195 | 2.5 | 0 |
| 138 | Nanoscale segregation mechanism of cation dopant at the matrix/oxide interface in oxide dispersion-strengthened alloys. <i>Journal of Materials Science</i> , 2021 , 56, 6251-6268 | 4.3 | 2 |
| 137 | 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 | 17.4 | 11 |
| 136 | Lattice mismatch in Ni3Al-based alloy for efficient oxygen evolution. <i>Journal of Materials Science and Technology</i> , 2021 , 106, 19-19 | 9.1 | 2 |
| 135 | Accelerated sintering of high-performance oxide dispersion strengthened alloy at low temperature. <i>Acta Materialia</i> , 2021 , 220, 117309 | 8.4 | 5 |
| 134 | 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 | 2.3 | 4 |
| 133 | Mechanical Performances of Al-Si-Mg Alloy with Dilute Sc and Sr Elements. <i>Materials</i> , 2020 , 13, | 3.5 | 3 |

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| 132 | The simultaneous improvements of strength and ductility in W 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 | 5.3 | 15 |
| 131 | Hot compression deformation behavior and processing maps of ATI 718Plus superalloy. <i>Journal of Alloys and Compounds</i> , 2020 , 835, 155195 | 5.7 | 19 |
| 130 | Microstructural evolution and phase transformation of Ni ₃ Al-based superalloys after thermal exposure. <i>Vacuum</i> , 2020 , 171, 109038 | 3.7 | 8 |
| 129 | Microstructure refinement in W ₂ O ₃ alloys via an improved hydrothermal synthesis method and low temperature sintering. <i>Inorganic Chemistry Frontiers</i> , 2020 , 7, 659-666 | 6.8 | 9 |
| 128 | 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 | 2.5 | 11 |
| 127 | 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 | 5.3 | 1 |
| 126 | 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 | 6.3 | 27 |
| 125 | Characterization of γ precipitate and γ/α interface in polycrystalline Ni ₃ Al-based superalloys. <i>Vacuum</i> , 2020 , 176, 109310 | 3.7 | 7 |
| 124 | High-Valent Nickel Promoted by Atomically Embedded Copper for Efficient Water Oxidation. <i>ACS Catalysis</i> , 2020 , 10, 9725-9734 | 13.1 | 42 |
| 123 | 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 | 7.4 | 19 |
| 122 | Microscopic Investigation of High-Temperature Oxidation of hcp-ZrAl ₂ . <i>Oxidation of Metals</i> , 2020 , 94, 431-445 | 1.6 | |
| 121 | Microstructure Evolution of Primary γ Phase in Ni ₃ Al-Based Superalloy. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020 , 33, 1709-1726 | 2.5 | 8 |
| 120 | Multi-phase transformation kinetics of HSLA steels during continuous cooling: experiments and cellular automaton (CA) simulation. <i>Philosophical Magazine</i> , 2020 , 100, 2001-2017 | 1.6 | 1 |
| 119 | Metal-organic framework derived copper catalysts for CO ₂ to ethylene conversion. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11117-11123 | 13 | 35 |
| 118 | Ultra-fine W 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 | 4.6 | 14 |
| 117 | Cyclic oxidation behavior of Ni ₃ Al-based superalloy. <i>Vacuum</i> , 2019 , 169, 108938 | 3.7 | 12 |
| 116 | Formation of multiply twinned martensite plates in rapidly solidified Ni ₃ Al-based superalloys. <i>Materials Letters</i> , 2019 , 250, 147-150 | 3.3 | 7 |
| 115 | Enhancement of critical current density by borohydride pinning in H-doped MgB ₂ bulks. <i>Journal of Applied Physics</i> , 2019 , 125, 113901 | 2.5 | 2 |

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| 114 | 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 | 3.5 | 3 |
| 113 | Precipitation of Carbides and Dissolution of Widmanstätten Structure for Enhanced Hardness in Ti2AlNb-Based Alloys. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 1892-1901 | 1.6 | 0 |
| 112 | Influences of solution cooling rate on microstructural evolution of a multiphase Ni3Al-based intermetallic alloy. <i>Intermetallics</i> , 2019 , 109, 48-59 | 3.5 | 20 |
| 111 | Formation mechanisms of YAlO complex oxides in 9Cr-ODS steels with Al addition. <i>Journal of Materials Science</i> , 2019 , 54, 7893-7907 | 4.3 | 8 |
| 110 | Herringbone Structure and Significantly Enhanced Hardness in W-Modified Ti2AlNb Alloys by Spark Plasma Sintering. <i>Metals and Materials International</i> , 2019 , 25, 1000-1007 | 2.4 | 4 |
| 109 | Characterization of 14Cr ODS Steel Fabricated by Spark Plasma Sintering. <i>Metals</i> , 2019 , 9, 200 | 2.3 | 7 |
| 108 | Enhanced superconductivity induced by several-unit-cells diffusion in an FeTe/FeSe bilayer heterostructure. <i>Physical Review B</i> , 2019 , 99, | 3.3 | 9 |
| 107 | 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 | 2.4 | 6 |
| 106 | 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 | 7.8 | 25 |
| 105 | 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 | 5.3 | 9 |
| 104 | Precipitation and growth behavior of γ phase in Ni3Al-based superalloy under thermal exposure. <i>Journal of Materials Science</i> , 2019 , 54, 13368-13377 | 4.3 | 11 |
| 103 | Flow Characteristics of a Medium-High Carbon Mn-Si-Cr Alloyed Steel at High Temperatures. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 5104-5115 | 1.6 | 8 |
| 102 | Enhancement of superconductivity in FeNbxSe0.95 by hole carrier doping. <i>Journal of Materials Chemistry C</i> , 2019 , 7, 10019-10027 | 7.1 | 10 |
| 101 | Precipitation of intersected plate-like γ phase in γ and its effect on creep behavior of multiphase Ni3Al-based intermetallic alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 767, 138439 | 5.3 | 5 |
| 100 | Coarsening behavior of γ precipitates in the α area of a Ni3Al-based alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 526-533 | 5.7 | 69 |
| 99 | Helium bubble evolution and deformation of single crystal α -Fe. <i>Journal of Materials Science</i> , 2019 , 54, 1785-1796 | 4.3 | 4 |
| 98 | Effect of annealing treatment on microstructure evolution and creep behavior of a multiphase Ni3Al-based superalloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 743, 623-635 | 5.3 | 58 |
| 97 | Eliminating bimodal structures of W-Y2O3 composite nanopowders synthesized by wet chemical method via controlling reaction conditions. <i>Journal of Alloys and Compounds</i> , 2019 , 774, 122-128 | 5.7 | 23 |

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| 96 | Enhancement of critical current density in MgB ₂ bulks sintered with commercial MgB ₂ powder. <i>Journal of Materials Science: Materials in Electronics</i> , 2018 , 29, 10323-10328 | 2.1 | 2 |
| 95 | 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 | 2.5 | 18 |
| 94 | Microstructure evolution behavior of Ni ₃ Al phase in eutectic of Ni ₃ Al-based alloy. <i>Intermetallics</i> , 2018 , 98, 28-33 | 3.5 | 20 |
| 93 | Precipitation and growth behavior of mushroom-like Ni ₃ Al. <i>Materials Letters</i> , 2018 , 211, 5-8 | 3.3 | 17 |
| 92 | 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 | 7.1 | 4 |
| 91 | Hot Deformation Behavior and Microstructure Evolution of 14Cr ODS Steel. <i>Materials</i> , 2018 , 11, | 3.5 | 12 |
| 90 | 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 | 2.5 | 10 |
| 89 | Effects of Zr Addition on Strengthening Mechanisms of Al-Alloyed High-Cr ODS Steels. <i>Materials</i> , 2018 , 11, | 3.5 | 27 |
| 88 | Austenitizing Temperature Effects on the Martensitic Transformation, Microstructural Characteristics, and Mechanical Performance of Modified Ferritic Heat-Resistant Steel. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 3525-3538 | 2.3 | 5 |
| 87 | Inversion Calculation of the Interatomic Potentials for Ni _{0.75} Al _x Mo _{0.25} Alloy Employing Microscopic Phase-Field Model. <i>Science of Advanced Materials</i> , 2018 , 10, 904-912 | 2.3 | 2 |
| 86 | Microstructure and Mechanical Properties of Ti ₂ AlNb-Based Alloys Synthesized by Spark Plasma Sintering from Pre-Alloyed and Ball-Milled Powder. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700659 | 3.5 | 5 |
| 85 | Statistical Mechanics Treatment of the Broadened Snoek Relaxation Peak in Ternary Niobium-Vanadium-Oxygen Alloys. <i>Materials</i> , 2018 , 11, | 3.5 | 2 |
| 84 | 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 | 2.3 | 12 |
| 83 | Deformation Mechanism of L ₁₂ -Phase in Bimodal Precipitation Hardened Inconel 718 Superalloy. <i>Advanced Engineering Materials</i> , 2018 , 20, 1800652 | 3.5 | 4 |
| 82 | Diffusion Bonding of 9Cr Martensitic/Ferritic Heat-Resistant Steels with an Electrodeposited Ni Interlayer. <i>Metals</i> , 2018 , 8, 1012 | 2.3 | 2 |
| 81 | 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 | 5.7 | 71 |
| 80 | 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 | 2.5 | 14 |
| 79 | 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 | 7.1 | 6 |

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| 78 | 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 | 2.5 | 10 |
| 77 | 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 | 4.1 | 43 |
| 76 | Microstructure Refinement in W-YO Alloy Fabricated by Wet Chemical Method with Surfactant Addition and Subsequent Spark Plasma Sintering. <i>Scientific Reports</i> , 2017 , 7, 6051 | 4.9 | 26 |
| 75 | Formation of Fine B ₂ /O Structure and Enhancement of Hardness in the Aged Ti ₂ AlNb-Based Alloys Prepared by Spark Plasma Sintering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 4365-4371 | 2.3 | 17 |
| 74 | 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 | 3.7 | 3 |
| 73 | Scattering effect of the well-ordered MgB ₄ impurity phase in two-step sintered polycrystalline MgB ₂ with glycine addition. <i>Applied Physics A: Materials Science and Processing</i> , 2017 , 123, 1 | 2.6 | 3 |
| 72 | Enhancement of synthesis efficiency and critical current density in glycine-doped MgB ₂ bulks by two-step sintering. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 5645-5651 | 2.1 | 2 |
| 71 | Removal of MgO and enhancement of critical current density in urea-doped MgB ₂ bulks by melting impregnation method. <i>Journal of Materials Science: Materials in Electronics</i> , 2017 , 28, 15625-15629 | 2.1 | 2 |
| 70 | Austenite to polygonal-ferrite transformation and carbide precipitation in high strength low alloy steel. <i>International Journal of Materials Research</i> , 2017 , 108, 12-19 | 0.5 | 1 |
| 69 | Doping-Induced Isotopic Mg ₁₁ B ₂ Bulk Superconductor for Fusion Application. <i>Energies</i> , 2017 , 10, 409 | 3.1 | 5 |
| 68 | The Effect of Precipitate Evolution on Austenite Grain Growth in RAFM Steel. <i>Materials</i> , 2017 , 10, | 3.5 | 15 |
| 67 | Hot deformation behavior of Ti-22Al-25Nb alloy by processing maps and kinetic analysis. <i>Journal of Materials Research</i> , 2016 , 31, 1764-1772 | 2.5 | 15 |
| 66 | 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 | 4.3 | 4 |
| 65 | Acicular ferrite formation during isothermal holding in HSLA steel. <i>Journal of Materials Science</i> , 2016 , 51, 3555-3563 | 4.3 | 17 |
| 64 | Microstructure Evolution of HSLA Pipeline Steels after Hot Uniaxial Compression. <i>Materials</i> , 2016 , 9, | 3.5 | 7 |
| 63 | Correlation between Zn-Rich Phase and Corrosion/Oxidation Behavior of Sn ₈ Zn ₃ Bi Alloy. <i>Metals</i> , 2016 , 6, 175 | 2.3 | 1 |
| 62 | 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 | 2.6 | 3 |
| 61 | Improved Superconducting properties in the Mg(11)B ₂ low activation superconductor prepared by low-temperature sintering. <i>Scientific Reports</i> , 2016 , 6, 25498 | 4.9 | 6 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 60 | Tuning Superconductivity in FeSe Thin Films via Magnesium Doping. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 7891-6 | 9.5 | 12 |
| 59 | Effects of cold rolling on the precipitation and the morphology of ϵ phase in Inconel 718 alloy. <i>Journal of Materials Research</i> , 2016 , 31, 443-454 | 2.5 | 7 |
| 58 | Evaluation of quenching-induced lattice strain and superconducting properties in un-doped and glycine-doped MgB ₂ bulks. <i>Journal of Materials Science: Materials in Electronics</i> , 2016 , 27, 9431-9436 | 2.1 | 3 |
| 57 | 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 | 7.1 | 17 |
| 56 | Evaluation of cooling rate on electrochemical behavior of Sn _{0.3} Ag _{0.9} Zn solder alloy in 3.5 wt% NaCl solution. <i>Journal of Materials Science: Materials in Electronics</i> , 2015 , 26, 11-22 | 2.1 | 13 |
| 55 | Influence of aging on shape memory effect and corrosion resistance of a new FeMnBi-based alloy. <i>Journal of Materials Research</i> , 2015 , 30, 179-185 | 2.5 | 3 |
| 54 | Processing maps and microstructural evolution of the type 347H austenitic heat-resistant stainless steel. <i>Journal of Materials Research</i> , 2015 , 30, 2090-2100 | 2.5 | 17 |
| 53 | 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 | 2.5 | 16 |
| 52 | The formation of nano-layered grains and their enhanced superconducting transition temperature in Mg-doped FeSe _{0.9} bulks. <i>Scientific Reports</i> , 2014 , 4, 6481 | 4.9 | 6 |
| 51 | The Sintering Process and Reaction Kinetics of FeSe System after Ball Milling Treatment. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 775-780 | 1.5 | 10 |
| 50 | Adjusting tetrathiafulvalene (TTF) functionality through molecular design for organic field-effect transistors. <i>CrystEngComm</i> , 2014 , 16, 5968 | 3.3 | 27 |
| 49 | Enhancement of Critical Current Density in MgB ₂ Bulk with CNT-coated Al Addition. <i>Journal of Superconductivity and Novel Magnetism</i> , 2014 , 27, 1659-1664 | 1.5 | 2 |
| 48 | Relationship between austenite stability and martensite formation in modified 9Cr-1Mo steel. <i>International Journal of Materials Research</i> , 2014 , 105, 232-239 | 0.5 | 5 |
| 47 | Effects of aging on shape memory and wear resistance of a FeMnBi-based alloy. <i>Journal of Materials Research</i> , 2014 , 29, 2809-2816 | 2.5 | 11 |
| 46 | 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 | 2.5 | 4 |
| 45 | Comparison of carbon-doped MgB ₂ bulks fabricated from pre-synthesized Mg/CNT and Mg/amorphous carbon composites. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 114, 919-924 ⁶ | 2.6 | 5 |
| 44 | 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 | 2.4 | 20 |
| 43 | 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 | 2.1 | 1 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 42 | 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 | 2.1 | 4 |
| 41 | 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 | 2.3 | 4 |
| 40 | 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 | 2.3 | 8 |
| 39 | The effect of ball-milling treatment of original powders on the sintering process and critical current density of graphite-doped MgB ₂ bulks. <i>Journal of Materials Science</i> , 2013 , 48, 2485-2489 | 4.3 | 3 |
| 38 | Phase formation sequence of high-temperature Zn-Al-Mg solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2013 , 24, 336-344 | 2.1 | 17 |
| 37 | 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 | 4.3 | 15 |
| 36 | Isochronal Phase Transformations of Low-Carbon High Strength Low Alloy Steel upon Continuous Cooling. <i>Steel Research International</i> , 2013 , 84, 184-191 | 1.6 | 9 |
| 35 | Martensite-Bustenite transformation kinetics of high Cr ferritic heat-resistant steel. <i>International Journal of Materials Research</i> , 2013 , 104, 935-940 | 0.5 | 4 |
| 34 | 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 | 2.5 | 10 |
| 33 | 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 | 2.5 | 9 |
| 32 | 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 | 2.5 | 3 |
| 31 | Influence of Premilling Time on the Sintering Process and Superconductive Properties of FeSe. <i>IEEE Transactions on Applied Superconductivity</i> , 2012 , 22, 7300105-7300105 | 1.8 | 2 |
| 30 | Martensite transformation in the modified high Cr ferritic heat-resistant steel during continuous cooling. <i>Journal of Materials Research</i> , 2012 , 27, 2779-2789 | 2.5 | 14 |
| 29 | 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 | 2.6 | 1 |
| 28 | 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 | 1.8 | 2 |
| 27 | Superconducting properties of Y ₂ O ₃ /SiC Co-doped bulk MgB ₂ . <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 357-361 | 1.5 | 8 |
| 26 | The Effect of Cu Addition on the Phase Formation and Critical Current Density in the Sugar Doped MgB ₂ Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 2012 , 25, 1683-1688 | 1.5 | 1 |
| 25 | Research on splitting phenomenon of isochronal martensitic transformation in T91 ferritic steel. <i>Phase Transitions</i> , 2012 , 85, 461-470 | 1.3 | 7 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|----|
| 24 | The isochronal B_{11} transformation of high Cr ferritic heat-resistant steel during cooling. <i>Journal of Materials Science</i> , 2011 , 46, 6910-6915 | 4.3 | 12 |
| 23 | 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 | 1.5 | 11 |
| 22 | 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 | 2.6 | 17 |
| 21 | Effect of M3C 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 | 1.6 | 9 |
| 20 | A Novel Approach for Efficient Ni Nanoparticle Doping of MgB ₂ by Liquid-Assisted Sintering. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 331-337 | 2.6 | 3 |
| 19 | Interstitial-interstitial interaction of oxygen atoms in a Nb-based ternary body-centered-cubic system. <i>Journal of Applied Physics</i> , 2011 , 109, 113536 | 2.5 | 1 |
| 18 | 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 | 2.6 | 17 |
| 17 | Effect of high-temperature annealing on the microstructural formation of Sn _{3.7} Ag _{0.9} Zn ₁ Al lead-free solder. <i>Journal of Materials Science: Materials in Electronics</i> , 2009 , 20, 139-143 | 2.1 | 7 |
| 16 | Effects of Thermal Aging on Microstructure and Microhardness of Sn-3.7Ag-0.9Zn-1In Solder. <i>Journal of Electronic Materials</i> , 2009 , 38, 345-350 | 1.9 | 8 |
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