## Chun-xiang Cui

List of Publications by Year in descending order

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114 papers 2,100 citations

361296 20 h-index 276775 41 g-index

114 all docs

114 docs citations

times ranked

114

1867 citing authors

| #  | Article                                                                                                                                                                                                                                                                                                                       | IF           | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------|
| 1  | Titanium alloy production technology, market prospects and industry development. Materials & Design, 2011, 32, 1684-1691.                                                                                                                                                                                                     | 5.1          | 591       |
| 2  | Growth characteristics and corrosion resistance of micro-arc oxidation coating on pure magnesium for biomedical applications. Corrosion Science, 2010, 52, 2228-2234.                                                                                                                                                         | 3.0          | 194       |
| 3  | Mechanical properties and in vitro biodegradation of newly developed porous Zn scaffolds for biomedical applications. Materials and Design, 2016, 108, 136-144.                                                                                                                                                               | 3 <b>.</b> 3 | 82        |
| 4  | Interfacial electronic modulation of Ni3S2 nanosheet arrays decorated with Au nanoparticles boosts overall water splitting. Applied Catalysis B: Environmental, 2022, 304, 120935.                                                                                                                                            | 10.8         | 80        |
| 5  | Fabrication and biocompatibility of nano-TiO2/titanium alloys biomaterials. Materials Letters, 2005, 59, 3144-3148.                                                                                                                                                                                                           | 1.3          | 60        |
| 6  | Microstructure evolution and enhanced mechanical properties of eutectic Al–Si die cast alloy by combined alloying Mg and La. Materials and Design, 2016, 90, 820-828.                                                                                                                                                         | 3.3          | 55        |
| 7  | Fabrication and properties of porous Zn-Ag alloy scaffolds as biodegradable materials. Materials Chemistry and Physics, 2018, 219, 433-443.                                                                                                                                                                                   | 2.0          | 47        |
| 8  | The microstructure and formation mechanism of core–shell-like TiAl3/Ti2Al20Ce in melt-spun<br>Al–Ti–B–Re grain refiner. Materials Letters, 2012, 85, 153-156.                                                                                                                                                                 | 1.3          | 41        |
| 9  | Preparation of in situ Al3Nb-NbB2-NbC/Al inoculant and its effect on microstructures and properties of weldable Al-Cu-Mn alloy. Materials Science & Described Algorian Algorian Science & Described Algorian Processing, 2018, 738, 273-282. | 2.6          | 30        |
| 10 | Mechanical properties and biodegradation of porous Zn-1Al alloy scaffolds. Materials Letters, 2019, 247, 75-78.                                                                                                                                                                                                               | 1.3          | 30        |
| 11 | Carbon fibers coated with graphene reinforced TiAl alloy composite with high strength and toughness. Scientific Reports, 2018, 8, 2364.                                                                                                                                                                                       | 1.6          | 27        |
| 12 | Ti–Zr–Fe–Si system amorphous alloys with excellent biocompatibility. Journal of Non-Crystalline Solids, 2008, 354, 3935-3938.                                                                                                                                                                                                 | 1.5          | 26        |
| 13 | Fabrication, microstructure and refining mechanism of in situ CeB6/Al inoculant in aluminum.<br>Materials & Design, 2015, 65, 432-437.                                                                                                                                                                                        | 5.1          | 26        |
| 14 | Significantly improved particle strengthening of Al–Sc alloy by high Sc composition design and rapid solidification. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 800, 140304.                                                                                   | 2.6          | 26        |
| 15 | Corrosion resistance and calcium–phosphorus precipitation of micro-arc oxidized magnesium for biomedical applications. Applied Surface Science, 2015, 330, 431-438.                                                                                                                                                           | 3.1          | 25        |
| 16 | Enhanced grain refinement of in situ CeB6/Al composite inoculant on pure aluminum by microstructure control. Journal of Alloys and Compounds, 2017, 701, 926-934.                                                                                                                                                             | 2.8          | 24        |
| 17 | Enhanced corrosion resistance of 5083 aluminum alloy by refining with nano-CeB6/Al inoculant. Applied Surface Science, 2019, 484, 403-408.                                                                                                                                                                                    | 3.1          | 24        |
| 18 | Fabrication and magnetic properties of Sm2Co17 and Sm2Co17/Fe7Co3 magnetic nanowires via AAO templates. Journal of Crystal Growth, 2014, 399, 1-6.                                                                                                                                                                            | 0.7          | 22        |

| #  | Article                                                                                                                                                                                                                                                                     | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Fabrication and properties of novel porous CuAlMn shape memory alloys and polymer/CuAlMn composites. Composites Part A: Applied Science and Manufacturing, 2018, 107, 21-30.                                                                                                | 3.8 | 22        |
| 20 | Fabrication of in situ AlN-TiN/Al inoculant and its refining efficiency and reinforcing effect on pure aluminum. Journal of Alloys and Compounds, 2013, 547, 5-10.                                                                                                          | 2.8 | 21        |
| 21 | Microstructure of Al-5Ti-1B-1RE nanoribbon and its refining efficiency on as-cast A356 alloys. Journal of Rare Earths, 2013, 31, 313-318.                                                                                                                                   | 2.5 | 21        |
| 22 | Effect of Mo, Zr, and Y on the high-temperature properties of Al–Cu–Mn alloy. Journal of Materials Research, 2019, 34, 3853-3861.                                                                                                                                           | 1.2 | 21        |
| 23 | Effect of combined addition of Cu51Zr14 inoculant and Ti element on the microstructure and damping behavior of a Cu-Al-Ni shape memory alloy. Materials Science & Diple Engineering A: Structural Materials: Properties, Microstructure and Processing, 2019, 743, 606-610. | 2.6 | 21        |
| 24 | Particle–matrix interface microstructure of in situ TiCp–AlNp/Al composite. Composites Science and Technology, 2012, 72, 1423-1429.                                                                                                                                         | 3.8 | 19        |
| 25 | Structure and properties of GCr15 modified by multiphase ceramic nanoparticles /Fe-C composite inoculants. Materials Science & Description A: Structural Materials: Properties, Microstructure and Processing, 2018, 738, 63-74.                                            | 2.6 | 19        |
| 26 | Effects of multi-stage aging on the microstructure, domain structure and magnetic properties of Fe-24Cr-12Co-1.5Si ribbon magnets. Journal of Alloys and Compounds, 2017, 694, 103-110.                                                                                     | 2.8 | 18        |
| 27 | Microstructures and mechanical properties of in-situ CaB6 ceramic particles reinforced Al-Cu-Mn composite. Ceramics International, 2019, 45, 21668-21675.                                                                                                                   | 2.3 | 17        |
| 28 | Preparation of in-situ NdB6 nanoparticles and their reinforcement effect on Al–Cu–Mn alloy. Journal of Alloys and Compounds, 2019, 806, 393-400.                                                                                                                            | 2.8 | 16        |
| 29 | Microstructural, Mechanical, and Damping Properties of a Cu-Based Shape Memory Alloy Refined by an In Situ LaB6/Al Inoculant. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 2310-2321.                                   | 1.1 | 16        |
| 30 | Nanoparticles of the superconductor MgB2: structural characterization and in situ study of synthesis kinetics. Acta Materialia, 2004, 52, 5757-5760.                                                                                                                        | 3.8 | 15        |
| 31 | Fabrication and magnetic properties of Fe3Co7 alloy nanowire arrays. Journal of Materials Science, 2010, 45, 1523-1527.                                                                                                                                                     | 1.7 | 15        |
| 32 | Microstructure and mechanical properties of TC4 alloy modified and reinforced by TiB+TiN/Ti inoculants ribbons. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 663, 8-16.                                        | 2.6 | 15        |
| 33 | Interfacial microstructure and nucleating mechanism of melt-spun CeB 6 /Al composite inoculant. Applied Surface Science, 2018, 431, 202-206.                                                                                                                                | 3.1 | 15        |
| 34 | Fabrication and properties of biodegradable ZnO nano-rods/porous Zn scaffolds. Materials Characterization, 2018, 144, 227-238.                                                                                                                                              | 1.9 | 15        |
| 35 | Electrochemical fabrication and magnetic properties of Fe7Co3 alloy nanowire array. Journal of Materials Science, 2011, 46, 2379-2383.                                                                                                                                      | 1.7 | 14        |
| 36 | The microstructures and mechanical properties of hybrid in-situ AlN-TiC-TiN-Al3Ti/Al reinforced Al-Cu-Mn-Ti alloy matrix composites. Journal of Alloys and Compounds, 2022, 903, 163902.                                                                                    | 2.8 | 14        |

| #  | Article                                                                                                                                                                                                                                                    | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Microstructure and mechanical properties of in-situ dual morphology Ti8C5/TiB2 reinforced TiAl composite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2022, 840, 142918.                           | 2.6 | 14        |
| 38 | Fabrication and internal friction behaviors of novel porous CuAlMn shape memory alloy filled with polystyrene. Materials Letters, 2013, 92, 82-85.                                                                                                         | 1.3 | 13        |
| 39 | Effect of Cooling Rate on Microstructure and Grain Refining Behavior of In Situ CeB6/Al Composite Inoculant in Aluminum. Metals, 2017, 7, 204.                                                                                                             | 1.0 | 13        |
| 40 | Simultaneously improving strength and ductility of hybrid Al–Si matrix composite with polyphasic and multi-scale ceramic particles. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2021, 804, 140517. | 2.6 | 13        |
| 41 | Rapid Degradation of Azo Dyes by Melt-Spun Mg-Zn-Ca Metallic Glass in Artificial Seawater. Metals, 2017, 7, 485.                                                                                                                                           | 1.0 | 12        |
| 42 | Preparation of nanocrystalline porous titania films on titanium substrates by a sol–gel method with polyethylene glycol as a template. Journal of Sol-Gel Science and Technology, 2007, 43, 151-159.                                                       | 1.1 | 11        |
| 43 | Electrochemical fabrication, microstructure and magnetic properties of Sm2Co17/Fe7Co3 dual phase nanocomposite. Materials Chemistry and Physics, 2015, 160, 315-320.                                                                                       | 2.0 | 11        |
| 44 | Microstructure and Mechanical Properties of Ti6Al4V Alloy Modified and Reinforced by In Situ Ti5Si3/Ti Composite Ribbon Inoculants. Metals, 2017, 7, 267.                                                                                                  | 1.0 | 11        |
| 45 | Microstructure and mechanical properties of hybrid in-situ Ti2AlCw/ Mo2B5p reinforced TiAl alloy.<br>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and<br>Processing, 2022, 829, 142182.                             | 2.6 | 11        |
| 46 | Preparation of in-situ AlN-TiC nanoparticles and their refinement and reinforcement effects on Al-Zn-Mn-Cu alloy. Journal of Alloys and Compounds, 2021, 881, 160504.                                                                                      | 2.8 | 10        |
| 47 | Fabrication and Mechanical Behavior of Ex Situ Mg-Based Bulk Metallic Glass Matrix Composite<br>Reinforced with Electroless Cu-Coated SiC Particles. Materials, 2017, 10, 1371.                                                                            | 1.3 | 9         |
| 48 | Fabrication and damping behaviors of novel polyurethane/TiNiCu composites. Physica B: Condensed Matter, 2020, 582, 411911.                                                                                                                                 | 1.3 | 9         |
| 49 | Ti–46Al–4Nb alloy refined and reinforced by in-situ TiC nanoparticles and TiB2 whiskers. Journal of Alloys and Compounds, 2022, 892, 162195.                                                                                                               | 2.8 | 9         |
| 50 | Effects of macroscopic graphite particulates on the damping behavior of CuAlMn shape memory alloy. Journal of Materials Science, 2007, 42, 5029-5035.                                                                                                      | 1.7 | 8         |
| 51 | Effects of cobalt addition on microstructure and magnetic properties of PrNdFeB/Fe 7 Co 3 nanocomposite. Journal of Rare Earths, 2017, 35, 468-473.                                                                                                        | 2.5 | 8         |
| 52 | A new Sm(Co,Fe,Cu) 4 B/Sm 2 (Co,Fe,Cu) 7 cell structure with the coercivity of up to 5.01†T. Journal of Magnetism and Magnetic Materials, 2018, 458, 66-74.                                                                                                | 1.0 | 8         |
| 53 | Preparation and Microstructure of In Situ CaB <sub>6</sub> –Al <sub>4</sub> Ca/Al Composite Inoculant Ribbon and Its Refining and Modifying Effect on Al–10Si–0.3Mg Alloy. Advanced Engineering Materials, 2018, 20, 1800687.                              | 1.6 | 8         |
| 54 | Effects of magnetic field and annealing on the structure and magnetic properties of Alnico ribbons. Journal of Alloys and Compounds, 2019, 785, 715-724.                                                                                                   | 2.8 | 8         |

| #  | Article                                                                                                                                                                                                                                                           | lF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Preparation of in situ NbC–TiC@Graphene/Fe composite inoculant and its effect on microstructures and properties of GCr15. Materials Science & Digneering A: Structural Materials: Properties, Microstructure and Processing, 2020, 772, 138737.                   | 2.6 | 8         |
| 56 | Enhanced Photocatalytic and Antibacterial Activities of K2Ti6O13 Nanowires Induced by Copper Doping. Crystals, 2020, 10, 400.                                                                                                                                     | 1.0 | 8         |
| 57 | Microstructure evolution and mechanical properties of Ti–46Al–4Nb alloy modified by in-situ<br>Si3N4-graphene core-shell nanoparticles. Materials Science & Engineering A: Structural Materials:<br>Properties, Microstructure and Processing, 2020, 785, 139349. | 2.6 | 8         |
| 58 | Refining and modification effects of (Al, Zr, Si)–Al4Sr on Al–7Si–0.5ÂMg alloy. Journal of Materials Research and Technology, 2021, 15, 1604-1612.                                                                                                                | 2.6 | 8         |
| 59 | Fabrication and magnetic properties of Sm-Co/Fe-Co and Sm-Co/Fe-Co-Dy magnetic nanowires. Superlattices and Microstructures, 2017, 107, 246-253.                                                                                                                  | 1.4 | 7         |
| 60 | Effects of Parent Phase Aging and Nb Element on the Microstructure, Martensitic Transformation, and Damping Behaviors of a Cu–Al–Mn Shape Memory Alloy. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 1900923.                         | 0.8 | 7         |
| 61 | A new Sm–Co-type hard magnetic alloy with an amorphous based nanocrystalline microstructure. Intermetallics, 2013, 35, 82-89.                                                                                                                                     | 1.8 | 6         |
| 62 | The effect of amorphous nanocrystalline inoculants on structures and properties of high speed steel. Materials Research Express, 2017, 4, 066507.                                                                                                                 | 0.8 | 6         |
| 63 | Microstructures and magnetic properties of Tb-Fe-Co magnetic nanowire arrays prepared by electrochemical deposition. Superlattices and Microstructures, 2019, 128, 298-306.                                                                                       | 1.4 | 6         |
| 64 | Study on the Tb–Dy–Fe–Co magnetic nanowires prepared by AAO template. Materials Letters, 2019, 237, 314-318.                                                                                                                                                      | 1.3 | 6         |
| 65 | The properties and microstructure of Nd-Fe-B nanowires fabricated by electrochemical deposition using porous Alumina templates. Materials Chemistry and Physics, 2020, 242, 122470.                                                                               | 2.0 | 6         |
| 66 | Effect of Cooling Rate on the Microstructure Evolution and Mechanical Properties of Iron-Rich Al–Si Alloy. Materials, 2022, 15, 411.                                                                                                                              | 1.3 | 6         |
| 67 | Preparation of nanocrystal modificator and its modification mechanism. Transactions of Nonferrous Metals Society of China, 2007, 17, 823-827.                                                                                                                     | 1.7 | 5         |
| 68 | Fabrication and damping behavior of a novel Mg/TiNiCu composite. Materials Letters, 2018, 217, 206-210.                                                                                                                                                           | 1.3 | 5         |
| 69 | Fabrication, microstructure and mechanical properties of Al2O3 whiskers reinforced Ti-46Al-4Nb alloy. Materials Letters, 2020, 259, 126902.                                                                                                                       | 1.3 | 5         |
| 70 | Microstructure evolution and the mechanical properties of in-situ Ti2AlCw-NbC@TiBx/TiAlNb composite with high performance. Composites Part B: Engineering, 2022, 234, 109689.                                                                                     | 5.9 | 5         |
| 71 | Study on the microstructure and magnetic properties of Sm–Fe–Ti alloys and their nitrides. Physica B: Condensed Matter, 2004, 351, 151-157.                                                                                                                       | 1.3 | 4         |
| 72 | Structural and magnetic properties of Sm2Fe17 $\hat{a}$ 2xNbx (x = 0 $\hat{a}$ 4) alloys prepared by HDDR processes and their nitrides. Rare Metals, 2006, 25, 129-137.                                                                                           | 3.6 | 4         |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Fabrication and biocompatibility in vitro of potassium titanate biological thin film/titanium alloy biological composite. Frontiers of Materials Science in China, 2007, 1, 252-257.                                                   | 0.5 | 4         |
| 74 | Fabrication of the Ti5Si3/Ti composite inoculants and its refining mechanism on pure titanium. Metals and Materials International, 2017, 23, 397-404.                                                                                  | 1.8 | 4         |
| 75 | Electrochemical synthesis and magnetic properties of Nd-Fe-B-Tb nanowires. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2020, 261, 114668.                                                      | 1.7 | 4         |
| 76 | Microstructures and magnetic properties of PrFeB/Fe7Co3 nanocomposite magnets. Materials Letters, 2020, 265, 127441.                                                                                                                   | 1.3 | 4         |
| 77 | Ti3Al matrix alloy refined and reinforced by in-situ synthesized SiCw/Nb4C3 core-shell structure. Journal of Alloys and Compounds, 2021, 860, 158423.                                                                                  | 2.8 | 4         |
| 78 | Refining effect of an intermetallic inoculant on a Cu–Al–Mn shape memory alloy. Materials Chemistry and Physics, 2022, 280, 125835.                                                                                                    | 2.0 | 4         |
| 79 | Electrodepositing fabrication and microstructures of the Fe nanowires with a preferred orientation. Superlattices and Microstructures, 2011, 50, 628-633.                                                                              | 1.4 | 3         |
| 80 | In vitro hemolytic properties' assessment of K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> nanowires. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2015, 229, 201-205. | 0.1 | 3         |
| 81 | Effect of Preparation Parameter on Microstructure and Grain Refining Behavior of In Situ<br>AlN-TiN-TiB2/Al Composite Inoculants on Pure Aluminum. Metals, 2017, 7, 56.                                                                | 1.0 | 3         |
| 82 | Enhanced grain refinement of in-situ AlN-TiN/Al composite inoculant on aluminum assisted by ultrasonic treatment. Materials Letters, 2019, 255, 126592.                                                                                | 1.3 | 3         |
| 83 | Interface microstructure and magnetic properties of $\hat{l}$ ±-Sm2Co17/ $\hat{l}$ 2-Sm2Co17 dual phase nanowire magnetic composite. Intermetallics, 2019, 111, 106494.                                                                | 1.8 | 3         |
| 84 | The effect of the in-situ hybrid Ti5Si3p/Ti2AlNw on the microstructure and mechanical properties of TiAl. Materials Letters, 2021, 304, 130678.                                                                                        | 1.3 | 3         |
| 85 | Fabrication and Properties of Zn-3Mg-1Ti Alloy as a Potential Biodegradable Implant Material.<br>Materials, 2022, 15, 940.                                                                                                             | 1.3 | 3         |
| 86 | Strain Amplitude Dependence of Internal Friction in a Cu–Al–Mn Shape Memory Alloy. Physica Status Solidi (A) Applications and Materials Science, 2022, 219, .                                                                          | 0.8 | 3         |
| 87 | Interaction Mechanism of <i>in-situ</i> Nano-TiN-AlN Particles and Solid/Liquid Interface during Solidification. Journal of Nanoscience and Nanotechnology, 2003, 3, 410-412.                                                          | 0.9 | 2         |
| 88 | Structural and nitrogenation of Sm2Fe16Ti1 alloy prepared by HDDR process. Materials Chemistry and Physics, 2006, 97, 116-120.                                                                                                         | 2.0 | 2         |
| 89 | Fabrication of Ti-based amorphous composite and biocompatibility research. Journal Wuhan University of Technology, Materials Science Edition, 2010, 25, 8-11.                                                                          | 0.4 | 2         |
| 90 | Effects of the Nanostructured Fe-V-Nb Modificators on the Microstructure and Mechanical Properties of Si-Mn Steel. Journal of Nanomaterials, 2012, 2012, 1-6.                                                                          | 1.5 | 2         |

| #   | Article                                                                                                                                                                                                                                   | IF                | Citations      |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|----------------|
| 91  | Studies on the structure and magnetic properties of Sm8Co73.2Fe8.8B10 ribbons. Physica B: Condensed Matter, 2018, 550, 60-67.                                                                                                             | 1.3               | 2              |
| 92  | Effect of Al-5Ti-B4C-Y refiner on the microstructure and properties of Al-Cu-Mn alloy. Materials Research Express, 2019, 6, 016542.                                                                                                       | 0.8               | 2              |
| 93  | Interfacial Characterization and Highâ€Temperature Property of NbB 2 +NbC Nanoparticlesâ€Reinforced 2219Al Matrix Composite Synthesized by Melt Spinning. Advanced Engineering Materials, 2020, 22, 2000248.                              | 1.6               | 2              |
| 94  | The effect of Tb doping on the magnetic properties and microstructure of a TbNdFeCoB/Fe <sub>7</sub> Co <sub>3</sub> nanocomposite permanent magnet. Materials Research Express, 2020, 7, 016112.                                         | 0.8               | 2              |
| 95  | Electrochemical synthesis, structure characterization and magnetic properties of Tb Fe7Co3 (x=0, 0.6,) Tj ETQq1 1                                                                                                                         | . 0.784314<br>2.5 | 1<br>1gBT /Ov∈ |
| 96  | Preparation of <i>in situ</i> Cr@Graphene/Fe nanocomposite inoculant and its refining effect on microstructure and properties of W <sub>18</sub> Cr <sub>4</sub> V high-speed steel. Materials Science and Technology, 2021, 37, 224-236. | 0.8               | 2              |
| 97  | Fabrication and magnetic properties of Tb-doped multiphase Pr-Tb-Fe-B magnetic nanowire arrays. Materials Chemistry and Physics, 2021, 262, 124299.                                                                                       | 2.0               | 2              |
| 98  | Integrated design modeling of miniature syringe for drug delivery., 2008,,.                                                                                                                                                               |                   | 1              |
| 99  | Histological and Mechanical Evaluation of the in vivo Bone-bonding Ability on the K2TinO2n+1 $\hat{l}^2$ -Ti Alloy as a Novel Bioactive Material. Materials Research Society Symposia Proceedings, 2009, 1187, 152.                       | 0.1               | 1              |
| 100 | Fabrication and characterization of in situ AlN–TiN/Al composite ribbons. Rare Metals, 2015, 34, 645-649.                                                                                                                                 | 3.6               | 1              |
| 101 | Microstructure and Properties' Evaluation of W18Cr4V Modified by Fe–Zr–Nb–N–B Nanoâ€Powder<br>Inoculants. Steel Research International, 2017, 88, 1600318.                                                                                | 1.0               | 1              |
| 102 | Thermodynamic calculation and thermal stability of Al-Y-Ce-Ni metallic glass. Materials Research Express, 2018, 5, 025205.                                                                                                                | 0.8               | 1              |
| 103 | Grapheneâ€Assisted Preparation of In Situ TiC–TiB 2 /Al Composite Inoculant for Al–Si Alloy. Advanced Engineering Materials, 2019, 21, 1900378.                                                                                           | 1.6               | 1              |
| 104 | Fabrication and magnetic properties of Tb–Fe–B nanotubes prepared by electrochemical deposition. Journal of Materials Science: Materials in Electronics, 2020, 31, 3976-3985.                                                             | 1.1               | 1              |
| 105 | Enhanced Grain Refinement of W18Cr4V Highâ€Speed Steel Using in Situ TiNâ^'Nbâ^'Cr@Graphene/Fe<br>Nanocomposite Inoculant. Steel Research International, 2021, 92, 2100094.                                                               | 1.0               | 1              |
| 106 | The microstructure and magnetic behaviors of Pr Fe B/Fe7Co3 dual phase nanowires: As a perpendicular magnetic recording candidate. Materials Characterization, 2021, 180, 111410.                                                         | 1.9               | 1              |
| 107 | Refining and reinforcing effects of TiC-Al <sub>2</sub> O <sub>3</sub> /Al ribbons inoculant on Al–Si–Mg–Ti alloy. Materials Research Express, 2022, 9, 036516.                                                                           | 0.8               | 1              |
| 108 | Fabrication and magnetic properties of Sm3(Fe, Ti)29N $\times$ / $\hat{l}$ ±-Fe dual-phase nanocomposite permanent magnetic material. Science in China Series D: Earth Sciences, 2007, 50, 184-189.                                       | 0.9               | O              |

| #   | Article                                                                                                                                                                    | IF  | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Preparation of submicrocrystal Al-Ti-B master alloy and its influence on microstructure and properties of AZ91D. China Foundry, 2017, 14, 513-518.                         | 0.5 | О         |
| 110 | Use of B4C powder for preparing in situ Al–Ti–B–C inoculant in Al–Ti melt and its refining effect on A356 alloy. Materials Research Express, 2018, 5, 016509.              | 0.8 | 0         |
| 111 | Microstructures and Properties of T1 Highâ€Speed Steel Modified by In Situ Fe–Cr–Ti–C–N<br>Nanocomposite Inoculants. Steel Research International, 2021, 92, 2000367.      | 1.0 | O         |
| 112 | Mechanism of magnetic field annealing on increasing both coercivity and magnetization of Sm(Co0.9Cu0.1)5 ribbons. Materials Today Communications, 2021, 26, 102052.        | 0.9 | 0         |
| 113 | Preparation of in situ TiC@TiN core–shell and Ti2N–Al4C3 nanoparticles and their effects on Al–Zn–Mg–Cu alloy. Journal of Materials Science, 2021, 56, 17011-17027.        | 1.7 | O         |
| 114 | Effects of Cooling Rate on Particle Size, Morphology, and Refining Effect of In-Situ NdB6-Al11Nd3/Al Inoculants. Journal of Materials Engineering and Performance, 0, , 1. | 1.2 | 0         |