

# Huan Liu

## List of Publications by Year in descending order

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95  
papers

2,625  
citations

136950

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docs citations

96  
times ranked

1061  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                                                                   | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | A two-step dynamic recrystallization induced by LPSO phases and its impact on mechanical property of severe plastic deformation processed Mg97Y2Zn1 alloy. <i>Journal of Alloys and Compounds</i> , 2017, 704, 509-517.                                                                   | 5.5  | 146       |
| 2  | Pt-on-Pd bimetallic nanodendrites stereoassembled on MXene nanosheets for use as high-efficiency electrocatalysts toward the methanol oxidation reaction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 15432-15440.                                                                 | 10.3 | 103       |
| 3  | Comparative studies on evolution behaviors of 14H LPSO precipitates in as-cast and as-extruded Mg-Al-Zn alloys during annealing at 773K. <i>Materials and Design</i> , 2016, 93, 9-18.                                                                                                    | 7.0  | 97        |
| 4  | Potential of multi-pass ECAP on improving the mechanical properties of a high-calcium-content Mg-Al-Ca-Mn alloy. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 617-627.                                                                                                               | 11.9 | 94        |
| 5  | Microstructure and anisotropic mechanical behavior of the high-strength and ductility AZ91 Mg alloy processed by hot extrusion and multi-pass RD-ECAP. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020, 780, 139191. | 5.6  | 80        |
| 6  | High strength and ductility AZ91 magnesium alloy with multi-heterogenous microstructures prepared by high-temperature ECAP and short-time aging. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 734, 485-490.      | 5.6  | 77        |
| 7  | Microstructure and Mechanical Properties of Mg-Al Cast Alloys Containing Long Period Stacking Ordered Phases: A Review. <i>Acta Metallurgica Sinica (English Letters)</i> , 2019, 32, 269-285.                                                                                            | 2.9  | 65        |
| 8  | Recent Advances in LPSO-Containing Wrought Magnesium Alloys: Relationships Between Processing, Microstructure, and Mechanical Properties. <i>Jom</i> , 2019, 71, 3314-3327.                                                                                                               | 1.9  | 64        |
| 9  | Effect of heat treatment and deformation temperature on the mechanical properties of ECAP processed ZK60 magnesium alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016, 677, 125-132.                             | 5.6  | 59        |
| 10 | Managing strength and ductility in AZ91 magnesium alloy through ECAP combined with prior and post aging treatment. <i>Materials Characterization</i> , 2019, 152, 213-222.                                                                                                                | 4.4  | 57        |
| 11 | Effect of substitution of 1 at% Ni for Zn on the microstructure and mechanical properties of Mg94Y4Zn2 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 387-395.                                         | 5.6  | 55        |
| 12 | Effect of ECAP process on as-cast and as-homogenized Mg-Al-Ca-Mn alloys with different Mg2Ca morphologies. <i>Journal of Alloys and Compounds</i> , 2019, 793, 259-270.                                                                                                                   | 5.5  | 54        |
| 13 | Achieving excellent ductility in high-strength Mg-10.6Gd-2Ag alloy via equal channel angular pressing. <i>Journal of Alloys and Compounds</i> , 2020, 817, 152688.                                                                                                                        | 5.5  | 52        |
| 14 | Effect of heat treatments on the microstructure and mechanical properties of an extruded Mg95.5Y3Zn1.5 alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 261-267.                                         | 5.6  | 51        |
| 15 | Evolution of Mg-Zn second phases during ECAP at different processing temperatures and its impact on mechanical properties of Zn-1.6Mg (wt.%) alloys. <i>Journal of Alloys and Compounds</i> , 2019, 811, 151987.                                                                          | 5.5  | 50        |
| 16 | Improving toughness of a Mg2Ca-containing Mg-Al-Ca-Mn alloy via refinement and uniform dispersion of Mg2Ca particles. <i>Journal of Materials Science and Technology</i> , 2020, 59, 61-71.                                                                                               | 10.7 | 50        |
| 17 | Microstructure and mechanical property of a high-strength Mg-10Gd-6Y-1.5Zn-0.5Zr alloy prepared by multi-pass equal channel angular pressing. <i>Journal of Magnesium and Alloys</i> , 2017, 5, 231-237.                                                                                  | 11.9 | 49        |
| 18 | Enhanced quasi-isotropic ductility in bi-textured AZ91 Mg alloy processed by up-scaled RD-ECAP processing. <i>Journal of Alloys and Compounds</i> , 2019, 780, 443-451.                                                                                                                   | 5.5  | 49        |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                                  | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Dynamic precipitation behavior and mechanical property of an Mg <sub>94</sub> Y <sub>4</sub> Zn <sub>2</sub> alloy prepared by multi-pass successive equal channel angular pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017, 682, 255-259. | 5.6  | 47        |
| 20 | Insights into self-healing behavior and mechanism of dicalcium phosphate dihydrate coating on biomedical Mg. <i>Bioactive Materials</i> , 2021, 6, 158-168.                                                                                                                                                              | 15.6 | 46        |
| 21 | Recent progress of novel biodegradable zinc alloys: from the perspective of strengthening and toughening. <i>Journal of Materials Research and Technology</i> , 2022, 17, 244-269.                                                                                                                                       | 5.8  | 46        |
| 22 | Revealing the effect of minor Ca and Sr additions on microstructure evolution and mechanical properties of Zn-0.6Mg alloy during multi-pass equal channel angular pressing. <i>Journal of Alloys and Compounds</i> , 2020, 844, 155923.                                                                                  | 5.5  | 43        |
| 23 | Effect of grain size and volume fraction of eutectic structure on mechanical properties and corrosion behavior of as-cast Zn-Mg binary alloys. <i>Journal of Materials Research and Technology</i> , 2022, 16, 1673-1685.                                                                                                | 5.8  | 42        |
| 24 | Effect of Multi-Pass Equal Channel Angular Pressing on the Microstructure and Mechanical Properties of a Heterogeneous Mg <sub>88</sub> Y <sub>8</sub> Zn <sub>4</sub> Alloy. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1274-1281.                                                                  | 10.7 | 40        |
| 25 | Microstructure characterization and corrosion behavior of Mg-Y-Zn alloys with different long period stacking ordered structures. <i>Journal of Magnesium and Alloys</i> , 2020, 8, 1208-1220.                                                                                                                            | 11.9 | 40        |
| 26 | Tension-compression asymmetry of the AZ91 magnesium alloy with multi-heterogenous microstructure. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 759, 703-707.                                                                                    | 5.6  | 39        |
| 27 | Preparation of a high strength and high ductility Mg-6Zn alloy wire by combination of ECAP and hot drawing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019, 739, 513-518.                                                                          | 5.6  | 39        |
| 28 | The precipitation behavior of MgZn <sub>2</sub> and Mg <sub>4</sub> Zn <sub>7</sub> phase in Mg-6Zn (wt.%) alloy during equal-channel angular pressing. <i>Journal of Magnesium and Alloys</i> , 2017, 5, 336-339.                                                                                                       | 11.9 | 37        |
| 29 | A High-Strength and Biodegradable Zn-Mg Alloy with Refined Ternary Eutectic Structure Processed by ECAP. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1191-1200.                                                                                                                                        | 2.9  | 35        |
| 30 | Developing an industrial-scale ECAP Mg-Al-Zn alloy with multi-heterostructure for synchronously high strength and good ductility. <i>Materials Characterization</i> , 2020, 164, 110341.                                                                                                                                 | 4.4  | 34        |
| 31 | Formation Behavior of 14H Long Period Stacking Ordered Structure in Mg-Y-Zn Cast Alloys with Different Y-Mg Fractions. <i>Journal of Materials Science and Technology</i> , 2016, 32, 1267-1273.                                                                                                                         | 10.7 | 33        |
| 32 | Multimodal Microstructure and Mechanical Properties of AZ91 Mg Alloy Prepared by Equal Channel Angular Pressing plus Aging. <i>Metals</i> , 2018, 8, 763.                                                                                                                                                                | 2.3  | 33        |
| 33 | 3D-cubic interconnected porous Mg-based scaffolds for bone repair. <i>Journal of Magnesium and Alloys</i> , 2020, 9, 1329-1329.                                                                                                                                                                                          | 11.9 | 31        |
| 34 | Dual self-healing inorganic-organic hybrid coating on biomedical Mg. <i>Corrosion Science</i> , 2022, 200, 110230.                                                                                                                                                                                                       | 6.6  | 31        |
| 35 | Tailoring the corrosion behavior and mechanism of AZ31 magnesium alloys by different Ca contents for marine application. <i>Corrosion Science</i> , 2021, 192, 109842.                                                                                                                                                   | 6.6  | 30        |
| 36 | Ultrasonic-vibration-enhanced plasticity of an entropic alloy at room temperature. <i>Acta Materialia</i> , 2022, 225, 117569.                                                                                                                                                                                           | 7.9  | 30        |

| #  | ARTICLE                                                                                                                                                                                                                                                      | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 37 | The effect of enzymes on the in vitro degradation behavior of Mg alloy wires in simulated gastric fluid and intestinal fluid. <i>Bioactive Materials</i> , 2022, 7, 217-226.                                                                                 | 15.6 | 29        |
| 38 | Enhanced tensile strength and ductility of an Al-6Si-3Cu alloy processed by room temperature rolling. <i>Journal of Alloys and Compounds</i> , 2022, 899, 163321.                                                                                            | 5.5  | 28        |
| 39 | Effect of ECAP temperature on formation of triple heterogeneous microstructure and mechanical properties of Zn-1Cu alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 826, 141990. | 5.6  | 27        |
| 40 | Effects of Heat Treatments on Microstructures and Precipitation Behaviour of Mg94Y4Zn2 Extruded Alloy. <i>Journal of Materials Science and Technology</i> , 2014, 30, 128-133.                                                                               | 10.7 | 24        |
| 41 | Exceptional mechanical properties of an Mg97Y2Zn1 alloy wire strengthened by dispersive LPSO particle clusters. <i>Materials Letters</i> , 2019, 242, 87-90.                                                                                                 | 2.6  | 24        |
| 42 | A study of a biodegradable braided Mg stent for biliary reconstruction. <i>Journal of Materials Science</i> , 2020, 55, 17170-17182.                                                                                                                         | 3.7  | 24        |
| 43 | Preparation, Microstructure Evolutions, and Mechanical Property of an Ultra-Fine Grained Mg-10Gd-4Y-1.5Zn-0.5Zr Alloy. <i>Metals</i> , 2017, 7, 398.                                                                                                         | 2.3  | 23        |
| 44 | Multi-interactions of dislocations and refined microstructure in a high strength and toughness Zn-Mg-Mn alloy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14116-14121.                                                                   | 5.8  | 23        |
| 45 | Preparation of a single-phase Mg-6Zn alloy via ECAP-stimulated solution treatment. <i>Journal of Magnesium and Alloys</i> , 2019, 7, 305-314.                                                                                                                | 11.9 | 22        |
| 46 | Microstructure evolution during superplastic deformation process and its impact on superplastic behavior of a Mg-Gd-Y-Zn-Zr alloy. <i>Materials Characterization</i> , 2021, 172, 110879.                                                                    | 4.4  | 21        |
| 47 | Microstructure and Mechanical Properties of a Mg94Y4Ni2 Alloy with Long Period Stacking Ordered Structure. <i>Journal of Materials Engineering and Performance</i> , 2013, 22, 3500-3506.                                                                    | 2.5  | 20        |
| 48 | Mechanical and Biological Properties of a Biodegradable Mg-Zn-Ca Porous Alloy. <i>Orthopaedic Surgery</i> , 2018, 10, 160-168.                                                                                                                               | 1.8  | 19        |
| 49 | Anisotropy investigation of an ECAP-processed Mg-Al-Ca-Mn alloy with synergistically enhanced mechanical properties and corrosion resistance. <i>Journal of Alloys and Compounds</i> , 2022, 911, 165046.                                                    | 5.5  | 19        |
| 50 | Precipitation behavior of 14H LPSO structure in single 18R phase Mg-Y-Zn alloy during annealing at 773 K. <i>Transactions of Nonferrous Metals Society of China</i> , 2017, 27, 63-72.                                                                       | 4.2  | 18        |
| 51 | Fragmentation of 18R LPSO phases through multi-pass equal channel angular pressing and its impact on rollability of Mg97Y2Zn1 (at%) alloy. <i>Journal of Materials Research and Technology</i> , 2020, 9, 14865-14877.                                       | 5.8  | 18        |
| 52 | Controlling Corrosion Resistance of a Biodegradable Mg-Y-Zn Alloy with LPSO Phases via Multi-pass ECAP Process. <i>Acta Metallurgica Sinica (English Letters)</i> , 2020, 33, 1180-1190.                                                                     | 2.9  | 18        |
| 53 | Fabrication of an Ultra-Fine Grained Pure Titanium with High Strength and Good Ductility via ECAP plus Cold Rolling. <i>Metals</i> , 2017, 7, 563.                                                                                                           | 2.3  | 17        |
| 54 | Biodegradable Behaviors of Ultrafine-Grained ZE41A Magnesium Alloy in DMEM Solution. <i>Metals</i> , 2016, 6, 3.                                                                                                                                             | 2.3  | 16        |

| #  | ARTICLE                                                                                                                                                                                                                                                     | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 55 | Achieving single-pass high-reduction rolling and enhanced mechanical properties of AZ91 alloy by RD-ECAP pre-processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021, 804, 140717. | 5.6  | 16        |
| 56 | Improvement of ductility and work hardening ability in a high strength Zn-Mg-Y alloy via micron-sized and submicron-sized YZn <sub>12</sub> particles. <i>Journal of Alloys and Compounds</i> , 2021, 877, 160268.                                          | 5.5  | 16        |
| 57 | Recent Progress on Corrosion Behavior and Mechanism of Mg-RE Based Alloys with Long Period Stacking Ordered Structure. <i>Metals and Materials International</i> , 2020, 26, 551-563.                                                                       | 3.4  | 15        |
| 58 | Discharge properties of ECAP processed AZ31 <sub>1</sub> /4Ca alloys as anodes for seawater-activated battery. <i>Journal of Materials Research and Technology</i> , 2021, 11, 1031-1044.                                                                   | 5.8  | 15        |
| 59 | Microstructures and Mechanical Properties of Mg-2Y-xZn (x=1, 2, 3 at%) Alloys. <i>Rare Metal Materials and Engineering</i> , 2014, 43, 570-574.                                                                                                             | 0.8  | 14        |
| 60 | A novel method for improving the strength and ductility of Mg-Y-RE-Zn alloy using rotary-die equal-channel angular pressing. <i>Journal of Materials Research and Technology</i> , 2021, 13, 1752-1758.                                                     | 5.8  | 14        |
| 61 | Hot Workability of the as-Cast 21Cr Economical Duplex Stainless Steel Through Processing Map and Microstructural Studies Using Different Instability Criteria. <i>Acta Metallurgica Sinica (English) T</i> 10.784314 2021 / Overlook 10                     | 1.0  | 14        |
| 62 | Improving Strength and Ductility of a Mg-3.7Al-1.8Ca-0.4Mn Alloy with Refined and Dispersed Al <sub>2</sub> Ca Particles by Industrial-Scale ECAP Processing. <i>Metals</i> , 2019, 9, 767.                                                                 | 2.3  | 13        |
| 63 | Microstructure and corrosion resistance of yellow MAO coatings. <i>Surface Engineering</i> , 2019, 35, 334-342.                                                                                                                                             | 2.2  | 13        |
| 64 | Deformation mechanisms at multiple pop-ins under spherical nanoindentation of (111) Si. <i>Computational Materials Science</i> , 2018, 143, 480-485.                                                                                                        | 3.0  | 12        |
| 65 | Microstructure, Martensite Transition and Mechanical Properties Investigations of Polycrystalline Co-Ni-Al Alloys with Er Doping. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 1062-1068.                                            | 2.5  | 11        |
| 66 | Stress Corrosion Cracking Behavior of Fine-Grained AZ61 Magnesium Alloys Processed by Equal-Channel Angular Pressing. <i>Metals</i> , 2017, 7, 343.                                                                                                         | 2.3  | 11        |
| 67 | Microstructure and texture evolution of the $\beta$ -Mg <sub>17</sub> Al <sub>12</sub> phase in a Mg alloy with an ultra-high Al content. <i>Journal of Materials Science and Technology</i> , 2020, 52, 89-99.                                             | 10.7 | 11        |
| 68 | Microstructure and mechanical property of Mg-10Gd-2Y-1.5Zn-0.5Zr alloy processed by eight-pass equal-channel angular pressing. <i>Rare Metals</i> , 2023, 42, 1371-1377.                                                                                    | 7.1  | 10        |
| 69 | Achieving ultra-high strength using densely ultra-fine LPSO phase. <i>Journal of Materials Science and Technology</i> , 2022, 129, 135-138.                                                                                                                 | 10.7 | 10        |
| 70 | High Mechanical Properties of AZ91 Mg Alloy Processed by Equal Channel Angular Pressing and Rolling. <i>Metals</i> , 2019, 9, 386.                                                                                                                          | 2.3  | 9         |
| 71 | Martensite Transformation and Mechanical Properties of Polycrystalline Co-Ni-Al Alloys with Gd Doping. <i>Metals</i> , 2018, 8, 848.                                                                                                                        | 2.3  | 8         |
| 72 | Rebuilding the Strain Hardening at a Large Strain in Twinned Au Nanowires. <i>Nanomaterials</i> , 2018, 8, 848.                                                                                                                                             | 4.1  | 8         |

| #  | ARTICLE                                                                                                                                                                                                                                                      | IF   | CITATIONS |
|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 73 | Effect of Necklace-Type Distribution of SiC Particles on Dry Sliding Wear Behavior of As-Cast AZ91D/SiCp Composites. <i>Crystals</i> , 2020, 10, 296.                                                                                                        | 2.2  | 8         |
| 74 | Microstructure, Magnetism and Magnetic Field Induced-Strain in Er-Doped Co-Ni-Al Polycrystalline Alloy. <i>Journal of Electronic Materials</i> , 2017, 46, 2540-2547.                                                                                        | 2.2  | 7         |
| 75 | Microstructure and mechanical properties of AZ31 alloy prepared by cyclic expansion extrusion with asymmetrical extrusion cavity. <i>Transactions of Nonferrous Metals Society of China</i> , 2022, 32, 122-133.                                             | 4.2  | 7         |
| 76 | Polyethylene glycol-assisted preparation of beta-tricalcium phosphate by direct precipitation method. <i>Powder Technology</i> , 2016, 301, 255-260.                                                                                                         | 4.2  | 6         |
| 77 | Size Effect and Deformation Mechanism in Twinned Copper Nanowires. <i>Metals</i> , 2017, 7, 438.                                                                                                                                                             | 2.3  | 6         |
| 78 | Optimization of the Experimental Parameters Affecting the Corrosion Behavior for Mg-Y-Zn-Mn Alloy via Response Surface Methodology. <i>Metals and Materials International</i> , 0, , 1.                                                                      | 3.4  | 6         |
| 79 | A high strength and ductility Zn-Cu-Mg alloy achieved by bandlike distribution of ultra-fine CuZn5 and Mg2Zn11 particles. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2022, 850, 143584. | 5.6  | 6         |
| 80 | Comparative Study of Two Aging Treatments on Microstructure and Mechanical Properties of an Ultra-Fine Grained Mg-10Y-6Gd-1.5Zn-0.5Zr Alloy. <i>Metals</i> , 2018, 8, 658.                                                                                   | 2.3  | 5         |
| 81 | Microstructure evolution and mechanical improvement by rapid solidification of polycrystalline Co <sub>35</sub> Ni <sub>32</sub> Al <sub>32</sub> Dy alloy. <i>Materials Research Express</i> , 2019, 6, 126545.                                             | 1.6  | 5         |
| 82 | Enhancing Mechanical Properties of Mg-6Zn Alloy by Deformation-Induced Nanoprecipitation. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021, 34, 217-226.                                                                                             | 2.9  | 5         |
| 83 | Evolution of grain size and texture of Zn-0.5Cu ECAP alloy during annealing at 200 °C and its impact on mechanical properties. <i>Journal of Alloys and Compounds</i> , 2022, 919, 165871.                                                                   | 5.5  | 5         |
| 84 | Microstructure and mechanical properties of Mg94Zn2Y4 extruded alloy with long-period stacking ordered structure. <i>Transactions of Nonferrous Metals Society of China</i> , 2013, 23, 3598-3603.                                                           | 4.2  | 4         |
| 85 | Different Tribological Behaviors of SiCp/AZ91 Composites Induced by Tailoring the Distribution of SiC Particles. <i>Metals and Materials International</i> , 2021, 27, 556-569.                                                                              | 3.4  | 4         |
| 86 | Structure and Martensitic Transformation in Rapidly Solidified CoNiAlFe Alloy. <i>Metals</i> , 2017, 7, 473.                                                                                                                                                 | 2.3  | 3         |
| 87 | Study of Flux on Wetting Behavior of Sn-Zn Lead-Free Solders. <i>Advanced Materials Research</i> , 2011, 189-193, 3230-3237.                                                                                                                                 | 0.3  | 2         |
| 88 | Achieving Exceptional High Ductility in Binary Mg-6Zn Alloy Wire by Grain Boundary Strengthening and Twinning-Induced Plasticity. <i>Advanced Engineering Materials</i> , 2021, 23, 2001476.                                                                 | 3.5  | 2         |
| 89 | Preparation and characterization of antibacterial oxide film with deposited silver on Al alloy. <i>Materials Research Express</i> , 2021, 8, 106515.                                                                                                         | 1.6  | 2         |
| 90 | Achieving high-strain-rate and low-temperature superplasticity in an ECAP-processed Mg-Y-Er-Zn alloy via Ag addition. <i>Journal of Magnesium and Alloys</i> , 2022, , .                                                                                     | 11.9 | 2         |

| #  | ARTICLE                                                                                                                                                                                           | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Shrinking tension-compression asymmetry of Au nanowires by designed nanotwin boundaries. Materials Chemistry and Physics, 2020, 252, 123267.                                                      | 4.0 | 1         |
| 92 | MICROSTRUCTURES AND MECHANICAL PROPERTIES OF Mg-(2, 3, 4)Y-Zn ALLOYS WITH LONG PERIOD STACKING ORDERED STRUCTURE. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 236.                          | 0.3 | 1         |
| 93 | Influence of Y/Zn Mole Ratio on the Phase Composition and Mechanical Properties of Mg-Y-Zn Alloys. , 2013, , 1291-1298.                                                                           |     | 1         |
| 94 | EFFECTS OF HIGH TEMPERATURE ANNEALING ON MORPHOLOGY OF LONG PERIOD STACKING ORDERED STRUCTURES IN AS-CASE AND AS-EXTRUDED Mg97Y2Zn1ALLOY. Jinshu Xuebao/Acta Metallurgica Sinica, 2013, 49, 1255. | 0.3 | 0         |
| 95 | The Microstructure and Mechanical Properties of Magnetic Shape Memory Alloys NiCo40+xAl30-x [X=0~3] . , 2014, , 101-113.                                                                          |     | 0         |