

Qudong Wang

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.

133
papers

3,332
citations

33
h-index

51
g-index

137
ext. papers

3,762
ext. citations

4.3
avg, IF

5.18
L-index

| # | Paper | IF | Citations |
|-----|---|-----|-----------|
| 133 | Effect of Ce on the Microstructure and Corrosion Resistance of Al-5Mg-3Zn-1Cu Alloy. <i>Metals</i> , 2022 , 12, 371 | 2.3 | 0 |
| 132 | Influence of calcium on ignition-proof mechanism of AM50 magnesium alloy. <i>Journal of Materials Science</i> , 2022 , 57, 7719-7728 | 4.3 | |
| 131 | Effect of lanthanum content on microstructure and mechanical properties of AlMgSi-0.6Mn alloy in squeeze casting. <i>Journal of Materials Research and Technology</i> , 2021 , 15, 6025-6033 | 5.5 | 1 |
| 130 | Effects of Gd Addition on the Microstructure and Tensile Properties of MgAlRE Alloy Produced by Three Different Casting Methods. <i>Acta Metallurgica Sinica (English Letters)</i> , 2021 , 34, 1361-1374 | 2.5 | 1 |
| 129 | Effects of additive NaI on electrodeposition of Al coatings in AlCl ₃ -NaCl-KCl molten salts. <i>Frontiers of Chemical Science and Engineering</i> , 2021 , 15, 138-147 | 4.5 | 3 |
| 128 | Damping characterization and its underlying mechanisms in CNTs/AZ91D composite processed by cyclic extrusion and compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2021 , 821, 141605 | 5.3 | 3 |
| 127 | Hot deformation constitutive model and processing maps of homogenized AlMgZnCu alloy. <i>Journal of Materials Research and Technology</i> , 2021 , 14, 324-339 | 5.5 | 6 |
| 126 | Characteristic investigation of trilayered Cu/Al8011/Al1060 composite: Interface morphology, microstructure, and in-situ tensile deformation. <i>Progress in Natural Science: Materials International</i> , 2021 , 31, 679-679 | 3.6 | 1 |
| 125 | Damping performance of SiC nanoparticles reinforced magnesium matrix composites processed by cyclic extrusion and compression. <i>Journal of Magnesium and Alloys</i> , 2021 , | 8.8 | 3 |
| 124 | Experimental and numerical analysis of Cu/Al8011/Al1060 trilayered composite: a comprehensive study. <i>Journal of Materials Research and Technology</i> , 2020 , 9, 14695-14707 | 5.5 | 3 |
| 123 | Microstructure and Mechanical Properties of Squeeze Cast Al-5 Mg-3Zn-1Cu-1Si Alloy Along Cross Section. <i>Metals and Materials International</i> , 2020 , 27, 3776 | 2.4 | 1 |
| 122 | Effects of Titanium Addition on the Microstructural and Mechanical Property Evolution of FeCrB Alloys. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 4610-4622 | 2.3 | 5 |
| 121 | Extra Strain Hardening in High Pressure Die Casting Mg-Al-RE Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2020 , 51, 1487-1492 | 2.3 | 5 |
| 120 | Evaluation of interface structure and high-temperature tensile behavior in Cu/Al8011/Al5052 trilayered composite. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 798, 140129 | 5.3 | 4 |
| 119 | Electrodeposition of Aluminum Coatings from AlCl ₃ -NaCl-KCl Molten Salts with TMACl and NaI Additives. <i>Materials</i> , 2020 , 13, | 3.5 | 2 |
| 118 | The influence of Al ₂ O ₃ Sr or/ and Al ₂ Ti ₃ B on microstructure and mechanical properties of Al ₂ Si ₂ Cu ₂ Ni _{0.8} Mg alloys. <i>Journal of Alloys and Compounds</i> , 2019 , 809, 151856 | 5.7 | 8 |
| 117 | Effects of Thermal Exposure on the Microstructure and Mechanical Properties of Al-Si-Cu-Ni-Mg-Gd Alloy. <i>Journal of Materials Engineering and Performance</i> , 2019 , 28, 908-915 | 1.6 | 5 |

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|-----|---|-----|----|
| 116 | Microstructure refinement of Mg-Al-RE alloy by Gd addition. <i>Materials Letters</i> , 2019 , 246, 125-128 | 3.3 | 21 |
| 115 | Characterization of the Aging Precipitates of Al-12Si-4Cu-2Ni-0.8Mg-0.2Gd Piston Alloy. <i>Jom</i> , 2019 , 71, 366-372 | 2.1 | 6 |
| 114 | Experimental and Theoretical Research on the Corrosion Resistance of Ferrous Alloys in Aluminum Melts. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 4665-4676 | 2.3 | 4 |
| 113 | An Investigation on Microstructures and Mechanical Properties of Ultra-Low Cu Layer Thickness Ratio Cu/8011/1060 Clads. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 5866-5876 | 2.3 | 4 |
| 112 | Effects of Melt-to-Solid Volume Ratio and Pouring Temperature on Microstructures and Mechanical Properties of Cu/Al Bimetals in Compound Casting Process. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2019 , 50, 401-414 | 2.3 | 5 |
| 111 | Effect of Cooling Rate on the Microstructure and Mechanical Properties of Cu/Al Bimetal Fabricated by Compound Casting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2018 , 49, 661-672 | 2.3 | 24 |
| 110 | Tribological Behavior of Carbon Nanotube-Reinforced AZ91D Composites Processed by Cyclic Extrusion and Compression. <i>Tribology Letters</i> , 2018 , 66, 1 | 2.8 | 5 |
| 109 | Effect of homogenization on the microstructure and mechanical properties of the repetitive-upsetting processed AZ91D alloy. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 935-940 | 2.1 | 17 |
| 108 | Microstructure and mechanical properties of the carbon nanotubes reinforced AZ91D magnesium matrix composites processed by cyclic extrusion and compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 689, 427-434 | 5.3 | 26 |
| 107 | Effects of cyclic extrusion and compression on the microstructure and mechanical properties of AZ91D magnesium composites reinforced by SiC nanoparticles. <i>Materials Characterization</i> , 2017 , 126, 17-27 | 3.9 | 33 |
| 106 | Effect of T6 heat treatment on microstructure and mechanical property of 6101/A356 bimetal fabricated by squeeze casting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 696, 208-215 | 5.3 | 27 |
| 105 | Strengthening and toughening mechanisms of an ultrafine grained Mg-Gd-Y-Zr alloy processed by cyclic extrusion and compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 699, 26-30 | 5.3 | 32 |
| 104 | Effect of SiC particles and the particulate size on the hot deformation and processing map of AZ91 magnesium matrix composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 707, 315-324 | 5.3 | 27 |
| 103 | Bonding of Aluminum Alloys in Compound Casting. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2017 , 48, 4632-4644 | 2.3 | 19 |
| 102 | Effects of Nd on microstructure and mechanical properties of cast Al-Si-Cu-Ni-Mg piston alloys. <i>Journal of Alloys and Compounds</i> , 2017 , 695, 1566-1572 | 5.7 | 38 |
| 101 | Effects of ECAP and Annealing Treatment on the Microstructure and Mechanical Properties of Mg-1Y (wt. %) Binary Alloy. <i>Metals</i> , 2017 , 7, 119 | 2.3 | 13 |
| 100 | Dry Sliding Wear Properties of AZ31-Mg2Si Magnesium Matrix Composites. <i>Journal of Materials Engineering and Performance</i> , 2016 , 25, 4109-4114 | 1.6 | 8 |
| 99 | Enhanced Strength and Ductility Due to Microstructure Refinement and Texture Weakening of the GW102K Alloy by Cyclic Extrusion Compression. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 783-789 | 9.1 | 40 |

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|----|---|-----|----|
| 98 | A Novel Method to Achieve Grain Refinement in Aluminum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 4788-4794 | 2.3 | 26 |
| 97 | Microstructure and Mechanical Properties of Overcast 6101B101 Wrought Al Alloy Joint by Squeeze Casting. <i>Journal of Materials Science and Technology</i> , 2016 , 32, 298-304 | 9.1 | 21 |
| 96 | An investigation into interface formation and mechanical properties of aluminum-copper bimetal by squeeze casting. <i>Materials and Design</i> , 2016 , 89, 1137-1146 | 8.1 | 50 |
| 95 | Applicability of Mg-Zn-(Y, Gd) Alloys for Engine Pistons 2016 , 325-330 | | |
| 94 | Analysis of Slip Activity and Deformation Modes in Tension and Tension-Creep Tests of Cast Mg-10Gd-3Y-0.5Zr (Wt Pct) at Elevated Temperatures Using In Situ SEM Experiments. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 2421-2443 | 2.3 | 2 |
| 93 | Microstructure and mechanical properties of overcast aluminum joints. <i>Transactions of Nonferrous Metals Society of China</i> , 2015 , 25, 1064-1072 | 3.3 | 9 |
| 92 | Influence of Gd content on microstructure and mechanical properties of cast Al ₁₂ Si ₂ Cu ₂ Ni _{0.8} Mg alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 644, 228-235 | 5.7 | 16 |
| 91 | Effect of solidification sequence on the microstructure and mechanical properties of die-cast Al ₁₁ Si ₂ CuBe alloy. <i>Journal of Alloys and Compounds</i> , 2015 , 649, 679-686 | 5.7 | 12 |
| 90 | Microstructure evolution and mechanical properties of SiC nanoparticles reinforced magnesium matrix composite processed by cyclic closed-die forging. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 642, 49-56 | 5.3 | 32 |
| 89 | Finite element simulation and experimental investigation on homogeneity of Mg-9.8Gd-2.7Y-0.4Zr magnesium alloy processed by repeated-upsetting. <i>Journal of Materials Processing Technology</i> , 2015 , 225, 310-317 | 5.3 | 10 |
| 88 | Microstructure evolution and mechanical properties of AZ91D magnesium alloy processed by repetitive upsetting. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015 , 641, 62-70 | 5.3 | 12 |
| 87 | An investigation into aluminum-aluminum bimetal fabrication by squeeze casting. <i>Materials & Design</i> , 2015 , 68, 8-17 | | 39 |
| 86 | Effects of Sr content on the microstructure and mechanical properties of cast Al ₁₂ Si ₂ Cu ₂ Ni _{0.8} Mg alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 622, 572-579 | 5.7 | 38 |
| 85 | Wear Properties of Hot-Extruded Pure Mg and Mg-1 wt.% SiC Nanocomposite. <i>Journal of Materials Engineering and Performance</i> , 2015 , 24, 2774-2778 | 1.6 | 3 |
| 84 | Effect of Ag on interfacial segregation in Mg ₁₀ (CuAg)Zr alloy. <i>Acta Materialia</i> , 2015 , 95, 20-29 | 8.4 | 70 |
| 83 | A new metastable precipitate phase in Mg ₁₀ (CuAg)Zr alloy. <i>Philosophical Magazine</i> , 2014 , 94, 2403-2409 | 1.6 | 29 |
| 82 | Microstructure and mechanical properties of NZ30K magnesium alloy processed by repetitive upsetting. <i>Journal of Alloys and Compounds</i> , 2014 , 589, 372-377 | 5.7 | 19 |
| 81 | In-Situ Study on Deformation Behavior of ZK60 Alloy Processed by Cyclic Extrusion and Compression. <i>Materials Transactions</i> , 2014 , 55, 1180-1183 | 1.3 | 2 |

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| 80 | Influence of Grain Refinement and Texture Evolution on the Yield Strength of Mg Alloy Processed by Cyclic Extrusion and Compression. <i>Materials Transactions</i> , 2014 , 55, 120-122 | 1-3 | 4 |
| 79 | Microstructure and mechanical properties of AZ31/Mg ₂ Si in situ composite fabricated by repetitive upsetting. <i>Transactions of Nonferrous Metals Society of China</i> , 2014 , 24, 3755-3761 | 3-3 | 9 |
| 78 | Influence of Grain Size and Texture on the Yield Strength of Mg Alloys Processed by Severe Plastic Deformation. <i>Advances in Materials Science and Engineering</i> , 2014 , 2014, 1-9 | 1-5 | 9 |
| 77 | Indentation Creep Behavior of Mg-10Gd-3Y-0.5Zr (wt.%) Alloy at Elevated Temperatures 2014 , 65-70 | | |
| 76 | Mechanical properties and corrosion resistance of Mg ₉₀ Gd ₁₀ Y _{0.5} Zr alloy by hot extrusion solid-state recycling. <i>Journal of Alloys and Compounds</i> , 2013 , 561, 184-192 | 5-7 | 12 |
| 75 | Microstructure and mechanical properties of AZ31 magnesium alloy processed by cyclic closed-die forging. <i>Journal of Alloys and Compounds</i> , 2013 , 558, 164-171 | 5-7 | 52 |
| 74 | Friction and wear behavior of Mg ₉₁ Y ₈ Gd ₂ Zn _{0.5} Zr (wt.%) alloy with oil lubricant. <i>Rare Metals</i> , 2013 , 32, 453-458 | 5-5 | 7 |
| 73 | Tensile creep behavior and microstructure evolution of extruded Mg ₉₀ Gd ₁₀ Y _{0.5} Zr (wt.%) alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 578, 150-159 | 5-3 | 33 |
| 72 | Elevated-temperature impact toughness of Mg(Gd, Y)Zr alloy. <i>Scripta Materialia</i> , 2013 , 68, 885-888 | 5-6 | 17 |
| 71 | Metal foam stabilization by copper-coated carbon fibers. <i>Scripta Materialia</i> , 2013 , 68, 459-462 | 5-6 | 8 |
| 70 | Hot deformation and processing maps of as-extruded Mg ₉₈ .8Gd _{0.7} Y _{0.4} Zr Mg alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 576, 101-107 | 5-3 | 55 |
| 69 | Creep behavior of Mg ₉₀ Gd ₁₀ Y _{0.5} Zr (wt.%) alloy piston by squeeze casting. <i>Materials Characterization</i> , 2013 , 78, 37-46 | 3-9 | 19 |
| 68 | Enhanced microstructure homogeneity and mechanical properties of AZ31/Bi composite by cyclic closed-die forging. <i>Journal of Alloys and Compounds</i> , 2013 , 552, 409-417 | 5-7 | 35 |
| 67 | A new high-strength and corrosion-resistant Al/Bi based casting alloy. <i>Materials Letters</i> , 2013 , 97, 104-107 | 3-3 | 34 |
| 66 | Uniform fine microstructure and random texture of Mg ₉₈ .8Gd _{0.7} Y _{0.4} Zr magnesium alloy processed by repeated-upsetting deformation. <i>Materials Letters</i> , 2012 , 83, 175-178 | 3-3 | 26 |
| 65 | Dry sliding wear behaviour of Mg ₉₀ Gd ₁₀ Y _{0.4} Zr alloy. <i>Materials & Design</i> , 2012 , 42, 223-229 | | 17 |
| 64 | Microstructure and mechanical properties of extruded Mg ₈₈ .5Gd _{0.3} Y _{0.8} Ag _{0.4} Zr alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1891-1895 | 3-3 | 21 |
| 63 | Finite element analysis of strain distribution in ZK60 Mg alloy during cyclic extrusion and compression. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1902-1906 | 3-3 | 7 |

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| 62 | Effect of zinc addition on microstructure and mechanical properties of Mg _{0.5} Y _{0.5} Sm _{0.5} Zr alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 2012 , 22, 1924-1929 | 3-3 | 1 |
| 61 | Microstructural refinement and homogenization of Mg _{0.5} BiC nanocomposites by cyclic extrusion compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 556, 267-270 | 5-3 | 26 |
| 60 | Creep and fracture behavior of as-cast Mg _{0.5} Y _{0.5} Gd _{0.5} Zn _{0.5} Zr (wt%). <i>Journal of Materials Science</i> , 2012 , 47, 6263-6275 | 4-3 | 18 |
| 59 | Creep and Fracture Behavior of Peak-Aged Mg-11Y-5Gd-2Zn-0.5Zr (wt pct). <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2012 , 43, 3338-3350 | 2-3 | 30 |
| 58 | Effects of Ho on the microstructure and mechanical properties of Mg-Zn-Ho-Zr magnesium alloys. <i>Rare Metals</i> , 2011 , 30, 131-136 | 5-5 | 13 |
| 57 | Microstructure and enhanced mechanical properties of an Mg _{0.5} Gd _{0.5} Y _{0.5} Zr alloy processed by cyclic extrusion and compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 1143-1148 | 5-3 | 41 |
| 56 | The elevated-temperature mechanical behavior of peak-aged Mg _{0.5} Gd _{0.5} Y _{0.5} 4Zr Alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011 , 528, 3105-3112 | 5-3 | 50 |
| 55 | Applicability of Mg-Zn-(Y, Gd) Alloys for Engine Pistons 2011 , 73-78 | | 3 |
| 54 | Applicability of Mg-Zn-(Y, Gd) Alloys for Engine Pistons 2011 , 73-78 | | 0 |
| 53 | The microstructure, mechanical properties and creep behavior of Mg _{0.5} Sm _{0.5} Zn _{0.4} Zr (wt.%) alloy produced by different casting technologies. <i>Journal of Alloys and Compounds</i> , 2010 , 496, 351-356 | 5-7 | 14 |
| 52 | Consolidation behavior of Mg _{0.5} Gd _{0.5} Y _{0.5} Zr chips during solid-state recycling. <i>Journal of Alloys and Compounds</i> , 2010 , 503, 253-259 | 5-7 | 20 |
| 51 | Characterization of phases in Mg-10Y-5Gd-2Zn-0.5Zr alloy processed by heat treatment. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2076-2080 | 3-3 | 6 |
| 50 | Microstructure and texture characteristics of ZK60 Mg alloy processed by cyclic extrusion and compression. <i>Transactions of Nonferrous Metals Society of China</i> , 2010 , 20, 2081-2085 | 3-3 | 23 |
| 49 | Microstructure and high tensile strength of Mg _{0.5} Gd _{0.5} Y _{0.5} Zr alloy by solid-state recycling. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 528, 715-720 | 5-3 | 10 |
| 48 | Effect of Sm on the microstructure, mechanical properties and creep behavior of Mg _{0.5} Zn _{0.4} Zr based alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1677-1685 | 5-3 | 45 |
| 47 | Microstructure and super high strength of cast Mg-8.5Gd-2.3Y-1.8Ag-0.4Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 528, 323-328 | 5-3 | 78 |
| 46 | Effects of flux containing YCl ₃ on the yttrium loss, mechanical and corrosion properties of Mg _{0.5} Gd _{0.5} Y _{0.5} Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1510-1515 | 5-3 | 10 |
| 45 | Microstructure evolution of AZ series magnesium alloys during cyclic extrusion compression. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 2265-2273 | 5-3 | 68 |

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| 44 | Effect of zinc additions on the microstructure mechanical properties and creep behavior of as-cast Mg ₉₅ Sm _{0.4} Zr (wt.%) alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 4605-4612 | 5-3 | 8 |
| 43 | Effects of samarium on microstructure and mechanical properties of Mg ₉₅ Sm _{0.5} Zr alloys during thermo-mechanical treatments. <i>Journal of Materials Science</i> , 2009 , 44, 3049-3056 | 4-3 | 13 |
| 42 | Anisotropic plastic deformation behavior of as-extruded ZK60 magnesium alloy at room temperature. <i>Science in China Series D: Earth Sciences</i> , 2009 , 52, 161-165 | | 7 |
| 41 | Optimization of high-pressure die-casting process parameters using artificial neural network. <i>International Journal of Advanced Manufacturing Technology</i> , 2009 , 44, 667-674 | 3-2 | 42 |
| 40 | Gd contents, mechanical and corrosion properties of Mg ₉₀ Gd ₅ Y _{0.5} Zr alloy purified by fluxes containing GdCl ₃ additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 507, 207-214 | 5-3 | 27 |
| 39 | Microstructure and creep behavior of the extruded Mg ₉₄ Y ₄ Sm _{0.5} Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 516, 189-192 | 5-3 | 12 |
| 38 | High temperature compressive deformation behavior of an extruded Mg ₉₅ Gd ₅ Y _{0.5} Zr (wt.%) alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 526, 150-155 | 5-3 | 18 |
| 37 | Microstructure and high tensile ductility of ZK60 magnesium alloy processed by cyclic extrusion and compression. <i>Journal of Alloys and Compounds</i> , 2009 , 476, 441-445 | 5-7 | 96 |
| 36 | Comparison of microstructure in Mg ₉₀ Y ₅ Gd _{0.5} Zr and Mg ₉₀ Y ₅ Gd ₂ Zn _{0.5} Zr alloys by conventional casting. <i>Journal of Alloys and Compounds</i> , 2009 , 477, 374-378 | 5-7 | 55 |
| 35 | Influence of flux containing YCl ₃ additions on purifying effectiveness and properties of Mg ₉₀ Gd ₅ Y _{0.5} Zr alloy. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 386-391 | 5-7 | 23 |
| 34 | Precipitate phases in the Mg-4Y-4Sm-0.5Zr alloy. <i>Journal of Alloys and Compounds</i> , 2008 , 465, 119-126 | 5-7 | 12 |
| 33 | High strain rate superplasticity of rolled AZ91 magnesium alloy. <i>Rare Metals</i> , 2008 , 27, 46-49 | 5-5 | 10 |
| 32 | Effect of the Cyclic Extrusion and Compression Processing on Microstructure and Mechanical Properties of As-Extruded ZK60 Magnesium Alloy. <i>Materials Transactions</i> , 2008 , 49, 1021-1024 | 1-3 | 27 |
| 31 | Study on deformation behavior and strain homogeneity during cyclic extrusion and compression. <i>Journal of Materials Science</i> , 2008 , 43, 6920-6924 | 4-3 | 19 |
| 30 | Effects of heat treatments on microstructure and mechanical properties of Mg-15Gd-5Y-0.5Zr alloy. <i>Journal of Rare Earths</i> , 2008 , 26, 298-302 | 3-7 | 26 |
| 29 | Microstructure and mechanical properties of hot-rolled Mg ₉₂ n ₈ Zr alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2008 , 483-484, 228-230 | 5-3 | 29 |
| 28 | Effects of strontium and titanium on the microstructure, tensile properties and creep behavior of AM50 alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 444, 318-326 | 5-3 | 78 |
| 27 | Effects of heat treatments on Microstructure and mechanical properties of Mg ₉₄ Y ₄ Sm _{0.5} Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 448, 165-170 | 5-3 | 50 |

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| 26 | Behavior of Mg _{0.5} Gd _{0.5} Zr alloy during solution heat treatment from 500 to 540°C. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 459, 117-123 | 5-3 | 84 |
| 25 | Effects of extrusion ratio on the microstructure and mechanical properties of AZ31 Mg alloy. <i>Journal of Materials Processing Technology</i> , 2007 , 182, 281-285 | 5-3 | 175 |
| 24 | Fabrication of bulk UFG magnesium alloys by cyclic extrusion compression. <i>Journal of Materials Science</i> , 2007 , 42, 7601-7603 | 4-3 | 21 |
| 23 | Fluidity of Mg-Al-Ca alloys in the high-pressure die casting process. <i>International Journal of Materials Research</i> , 2007 , 98, 33-38 | 0-5 | 4 |
| 22 | Effect of Nd and Y addition on microstructure and mechanical properties of as-cast Mg ₉₂ Nd ₈ alloy. <i>Journal of Alloys and Compounds</i> , 2007 , 427, 115-123 | 5-7 | 136 |
| 21 | Effects of aging on the microstructures and mechanical properties of extruded AM50 + xCa magnesium alloys. <i>Rare Metals</i> , 2006 , 25, 377-381 | 5-5 | 7 |
| 20 | Effect of melting technique on the microstructure and mechanical properties of AZ91 commercial magnesium alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 429, 320-323 | 5-3 | 12 |
| 19 | Characterization of phases in Mg ₉₅ Y ₃ Sm ₂ alloy processed by heat treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 428, 295-300 | 5-3 | 48 |
| 18 | Centrifugally cast Zn ₇₀ Al ₁₀ Mg ₁₀ Si alloys and their in situ (Mg ₂ Si + Si)/ZA27 composites. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 394, 425-434 | 5-3 | 10 |
| 17 | High strength extruded Mg ₉₅ Zn ₅ Nd _{0.5} Y _{0.6} Zr _{0.4} Ca alloy produced by electromagnetic casting. <i>Materials Letters</i> , 2005 , 59, 2549-2554 | 3-3 | 28 |
| 16 | Effects of Zn and RE additions on the solidification behavior of Mg ₉₅ Al magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 342, 178-182 | 5-3 | 56 |
| 15 | In situ surface composites of (Mg ₂ Si+Si)/ZA27 fabricated by centrifugal casting. <i>Materials Letters</i> , 2003 , 57, 3851-3858 | 3-3 | 9 |
| 14 | Evaluation of the effect of vacuum on mold filling in the magnesium EPC process. <i>Journal of Materials Processing Technology</i> , 2002 , 120, 94-100 | 5-3 | 26 |
| 13 | Behavior of Mg-Al-Ca alloy during solution heat treatment at 415 °C. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1281-1283 | | 34 |
| 12 | Superplastic Behavior and Microstructural Evolution in a Commercial Mg-3Al-1Zn Magnesium Alloy. <i>Materials Transactions</i> , 2002 , 43, 2433-2436 | 1-3 | 9 |
| 11 | An understanding of the hot tearing mechanism in AZ91 magnesium alloy. <i>Materials Letters</i> , 2002 , 53, 35-39 | 3-3 | 60 |
| 10 | Hot-tearing susceptibility of Mg ₉₅ Al ₅ Zn alloy. <i>Materials Letters</i> , 2002 , 57, 929-934 | 3-3 | 26 |
| 9 | Effect of Sb on the microstructure and mechanical properties of AZ91 magnesium alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001 , 32, 787-794 | 2-3 | 47 |

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| 8 | Behavior of surface oxidation on molten Mg ₉ Al _{0.5} Zn _{0.3} Be alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2001 , 301, 154-161 | 5.3 | 67 |
| 7 | Effect of Si on the precipitation behavior of Mg-6Al alloy. <i>Journal of Materials Science Letters</i> , 2001 , 20, 397-399 | | 19 |
| 6 | Functionally graded Zn-Al-Si in-situ composites fabricated by centrifugal casting. <i>Journal of Materials Science Letters</i> , 2001 , 20, 823-826 | | 7 |
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