# Qudong Wang

## List of Publications by Citations



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|---|---|---|---|
| 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 | Effects of rare earths on the microstructure, properties and fracture behavior of MgAl alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2000**, 278, 66-76 | 5.3 | 239 |
| 132 | Effects of extrusion ratio on the microstructure and mechanical properties of AZ31 Mg alloy. *Journal of Materials Processing Technology*, **2007**, 182, 281-285 | 5.3 | 175 |
| 131 | Effect of Nd and Y addition on microstructure and mechanical properties of as-cast MgZnZr alloy. *Journal of Alloys and Compounds*, **2007**, 427, 115-123 | 5.7 | 136 |
| 130 | Microstructure and high tensile ductility of ZK60 magnesium alloy processed by cyclic extrusion and compression. *Journal of Alloys and Compounds*, **2009**, 476, 441-445 | 5.7 | 96 |
| 129 | Behavior of Mg15GdYZr alloy during solution heat treatment from 500 to 540°C. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 459, 117-123 | 5.3 | 84 |
| 128 | Microstructure and super high strength of cast Mg-8.5Gd-2.3Y-1.8Ag-0.4Zr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 528, 323-328 | 5.3 | 78 |
| 127 | Effects of strontium and titanium on the microstructure, tensile properties and creep behavior of AM50 alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 444, 318-326 | 5.3 | 78 |
| 126 | Effect of Ag on interfacial segregation in MgGdY(Ag)Zr alloy. *Acta Materialia*, **2015**, 95, 20-29 | 8.4 | 70 |
| 125 | Microstructure evolution of AZ series magnesium alloys during cyclic extrusion compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 2265-2273 | 5.3 | 68 |
| 124 | Behavior of surface oxidation on molten MgAlZnBe alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 301, 154-161 | 5.3 | 67 |
| 123 | An understanding of the hot tearing mechanism in AZ91 magnesium alloy. *Materials Letters*, **2002**, 53, 35-39 | 3.3 | 60 |
| 122 | Effects of Zn and RE additions on the solidification behavior of MgAl magnesium alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2003**, 342, 178-182 | 5.3 | 56 |
| 121 | Hot deformation and processing maps of as-extruded Mg8.8Gd2.7YZr Mg alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 576, 101-107 | 5.3 | 55 |
| 120 | Comparison of microstructure in Mg10YGdZr and Mg10YGdZnZr alloys by conventional casting. *Journal of Alloys and Compounds*, **2009**, 477, 374-378 | 5.7 | 55 |
| 119 | Microstructure and mechanical properties of AZ31 magnesium alloy processed by cyclic closed-die forging. *Journal of Alloys and Compounds*, **2013**, 558, 164-171 | 5.7 | 52 |
| 118 | An investigation into interface formation and mechanical properties of aluminumcopper bimetal by squeeze casting. *Materials and Design*, **2016**, 89, 1137-1146 | 8.1 | 50 |
| 117 | The elevated-temperature mechanical behavior of peak-aged Mg10GdYZr Alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 3105-3112 | 5.3 | 50 |

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| 116 | Effects of heat treatments on Microstructure and mechanical properties of Mg□4Y□4Sm□0.5Zr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 448, 165-170 | 5.3 | 50 |
| 115 | Characterization of phases in Mg□4Y□4Sm□0.5Zr alloy processed by heat treatment. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 428, 295-300 | 5.3 | 48 |
| 114 | Effect of Sb on the microstructure and mechanical properties of AZ91 magnesium alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2001**, 32, 787-794 | 2.3 | 47 |
| 113 | Effect of Sm on the microstructure, mechanical properties and creep behavior of Mg□0.5Zn□0.4Zr based alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 1677-1685 | 5.3 | 45 |
| 112 | Optimization of high-pressure die-casting process parameters using artificial neural network. *International Journal of Advanced Manufacturing Technology*, **2009**, 44, 667-674 | 3.2 | 42 |
| 111 | Microstructure and enhanced mechanical properties of an Mg□10Gd□2Y□0.5Zr alloy processed by cyclic extrusion and compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 1143-1148 | 5.3 | 41 |
| 110 | Effect of Rare Earth Metals on the Microstructure and Impact Toughness of a Cast 0.4C-5Cr-1.2Mo-1.0V Steel.. *ISIJ International*, **2000**, 40, 1275-1282 | 1.7 | 41 |
| 109 | Enhanced Strength and Ductility Due to Microstructure Refinement and Texture Weakening of the GW102K Alloy by Cyclic Extrusion Compression. *Journal of Materials Science and Technology*, **2016**, 32, 783-789 | 9.1 | 40 |
| 108 | An investigation into aluminum□luminum bimetal fabrication by squeeze casting. *Materials & Design*, **2015**, 68, 8-17 | | 39 |
| 107 | Effects of Sr content on the microstructure and mechanical properties of cast Al□12Si□4Cu□2Ni□0.8Mg alloys. *Journal of Alloys and Compounds*, **2015**, 622, 572-579 | 5.7 | 38 |
| 106 | Effects of Nd on microstructure and mechanical properties of cast Al-Si-Cu-Ni-Mg piston alloys. *Journal of Alloys and Compounds*, **2017**, 695, 1566-1572 | 5.7 | 38 |
| 105 | Enhanced microstructure homogeneity and mechanical properties of AZ31□Si composite by cyclic closed-die forging. *Journal of Alloys and Compounds*, **2013**, 552, 409-417 | 5.7 | 35 |
| 104 | A new high-strength and corrosion-resistant Al□Si based casting alloy. *Materials Letters*, **2013**, 97, 104-107 | 3.3 | 34 |
| 103 | Behavior of Mg□Al□Ca alloy during solution heat treatment at 415 □C. *Journal of Materials Science Letters*, **2002**, 21, 1281-1283 | | 34 |
| 102 | Effects of cyclic extrusion and compression on the microstructure and mechanical properties of AZ91D magnesium composites reinforced by SiC nanoparticles. *Materials Characterization*, **2017**, 126, 17-27 | 3.9 | 33 |
| 101 | Tensile creep behavior and microstructure evolution of extruded Mg□10Gd□3Y□0.5Zr (wt%) alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 578, 150-159 | 5.3 | 33 |
| 100 | Strengthening and toughening mechanisms of an ultrafine grained Mg-Gd-Y-Zr alloy processed by cyclic extrusion and compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 699, 26-30 | 5.3 | 32 |
| 99 | Microstructure evolution and mechanical properties of SiC nanoparticles reinforced magnesium matrix composite processed by cyclic closed-die forging. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 642, 49-56 | 5.3 | 32 |

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|---|---|---|---|
| 98 | Creep and Fracture Behavior of Peak-Aged Mg-11Y-5Gd-2Zn-0.5Zr (wt pct). *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2012**, 43, 3338-3350 | 2.3 | 30 |
| 97 | A new metastable precipitate phase in Mg□dY□r alloy. *Philosophical Magazine*, **2014**, 94, 2403-2409 | 1.6 | 29 |
| 96 | Microstructure and mechanical properties of hot-rolled Mg□nNd□r alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2008**, 483-484, 228-230 | 5.3 | 29 |
| 95 | High strength extruded Mg□Zn□Nd□.5Y□.6Zr□.4Ca alloy produced by electromagnetic casting. *Materials Letters*, **2005**, 59, 2549-2554 | 3.3 | 28 |
| 94 | Effect of T6 heat treatment on microstructure and mechanical property of 6101/A356 bimetal fabricated by squeeze casting. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 696, 208-215 | 5.3 | 27 |
| 93 | Effect of SiC particles and the particulate size on the hot deformation and processing map of AZ91 magnesium matrix composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 707, 315-324 | 5.3 | 27 |
| 92 | Gd contents, mechanical and corrosion properties of Mg□0Gd□Y□.5Zr alloy purified by fluxes containing GdCl3 additions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 507, 207-214 | 5.3 | 27 |
| 91 | Effect of the Cyclic Extrusion and Compression Processing on Microstructure and Mechanical Properties of As-Extruded ZK60 Magnesium Alloy. *Materials Transactions*, **2008**, 49, 1021-1024 | 1.3 | 27 |
| 90 | Microstructure and mechanical properties of the carbon nanotubes reinforced AZ91D magnesium matrix composites processed by cyclic extrusion and compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 689, 427-434 | 5.3 | 26 |
| 89 | A Novel Method to Achieve Grain Refinement in Aluminum. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 4788-4794 | 2.3 | 26 |
| 88 | Uniform fine microstructure and random texture of Mg□.8Gd□.7Y□.4Zr magnesium alloy processed by repeated-upsetting deformation. *Materials Letters*, **2012**, 83, 175-178 | 3.3 | 26 |
| 87 | Microstructural refinement and homogenization of Mg□iC nanocomposites by cyclic extrusion compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 556, 267-270 | 5.3 | 26 |
| 86 | Effects of heat treatments on microstructure and mechanical properties of Mg-15Gd-5Y-0.5Zr alloy. *Journal of Rare Earths*, **2008**, 26, 298-302 | 3.7 | 26 |
| 85 | Evaluation of the effect of vacuum on mold filling in the magnesium EPC process. *Journal of Materials Processing Technology*, **2002**, 120, 94-100 | 5.3 | 26 |
| 84 | Hot-tearing susceptibility of Mg□Al□Zn alloy. *Materials Letters*, **2002**, 57, 929-934 | 3.3 | 26 |
| 83 | Effect of Cooling Rate on the Microstructure and Mechanical Properties of Cu/Al Bimetal Fabricated by Compound Casting. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 661-672 | 2.3 | 24 |
| 82 | Microstructure and texture characteristics of ZK60 Mg alloy processed by cyclic extrusion and compression. *Transactions of Nonferrous Metals Society of China*, **2010**, 20, 2081-2085 | 3.3 | 23 |
| 81 | Influence of flux containing YCl3 additions on purifying effectiveness and properties of Mg□0Gd□Y□.5Zr alloy. *Journal of Alloys and Compounds*, **2009**, 480, 386-391 | 5.7 | 23 |

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| 80 | Microstructure refinement of Mg-Al-RE alloy by Gd addition. *Materials Letters*, **2019**, 246, 125-128 | 3.3 | 21 |
| 79 | Microstructure and Mechanical Properties of Overcast 6101–6101 Wrought Al Alloy Joint by Squeeze Casting. *Journal of Materials Science and Technology*, **2016**, 32, 298-304 | 9.1 | 21 |
| 78 | Microstructure and mechanical properties of extruded Mg–8.5Gd–2.3Y–1.8Ag–0.4Zr alloy. *Transactions of Nonferrous Metals Society of China*, **2012**, 22, 1891-1895 | 3.3 | 21 |
| 77 | Fabrication of bulk UFG magnesium alloys by cyclic extrusion compression. *Journal of Materials Science*, **2007**, 42, 7601-7603 | 4.3 | 21 |
| 76 | Consolidation behavior of Mg–10Gd–2Y–0.5Zr chips during solid-state recycling. *Journal of Alloys and Compounds*, **2010**, 503, 253-259 | 5.7 | 20 |
| 75 | Microstructure and mechanical properties of NZ30K magnesium alloy processed by repetitive upsetting. *Journal of Alloys and Compounds*, **2014**, 589, 372-377 | 5.7 | 19 |
| 74 | Creep behavior of Mg–9Gd–1Y–0.5Zr (wt.%) alloy piston by squeeze casting. *Materials Characterization*, **2013**, 78, 37-46 | 3.9 | 19 |
| 73 | Bonding of Aluminum Alloys in Compound Casting. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2017**, 48, 4632-4644 | 2.3 | 19 |
| 72 | Study on deformation behavior and strain homogeneity during cyclic extrusion and compression. *Journal of Materials Science*, **2008**, 43, 6920-6924 | 4.3 | 19 |
| 71 | Effect of Si on the precipitation behavior of Mg-6Al alloy. *Journal of Materials Science Letters*, **2001**, 20, 397-399 | | 19 |
| 70 | Creep and fracture behavior of as-cast Mg–11Y–5Gd–2Zn–0.5Zr (wt%). *Journal of Materials Science*, **2012**, 47, 6263-6275 | 4.3 | 18 |
| 69 | High temperature compressive deformation behavior of an extruded Mg–8Gd–3Y–0.5Zr (wt.%) alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 526, 150-155 | 5.3 | 18 |
| 68 | Effect of homogenization on the microstructure and mechanical properties of the repetitive-upsetting processed AZ91D alloy. *Journal of Materials Science and Technology*, **2017**, 33, 935-940 | 9.1 | 17 |
| 67 | Elevated-temperature impact toughness of Mg–(Gd, Y)–Zr alloy. *Scripta Materialia*, **2013**, 68, 885-888 | 5.6 | 17 |
| 66 | Dry sliding wear behaviour of Mg–10Gd–3Y–0.4Zr alloy. *Materials & Design*, **2012**, 42, 223-229 | | 17 |
| 65 | Influence of Gd content on microstructure and mechanical properties of cast Al–12Si–4Cu–2Ni–0.8Mg alloys. *Journal of Alloys and Compounds*, **2015**, 644, 228-235 | 5.7 | 16 |
| 64 | The microstructure, mechanical properties and creep behavior of Mg–3Sm–0.5Zn–0.4Zr (wt.%) alloy produced by different casting technologies. *Journal of Alloys and Compounds*, **2010**, 496, 351-356 | 5.7 | 14 |
| 63 | Effects of ECAP and Annealing Treatment on the Microstructure and Mechanical Properties of Mg-1Y (wt. %) Binary Alloy. *Metals*, **2017**, 7, 119 | 2.3 | 13 |

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| 62 | Effects of Ho on the microstructure and mechanical properties of Mg-Zn-Ho-Zr magnesium alloys. *Rare Metals*, **2011**, 30, 131-136 | 5.5 | 13 |
| 61 | Effects of samarium on microstructure and mechanical properties of Mg□Sm□r alloys during thermo-mechanical treatments. *Journal of Materials Science*, **2009**, 44, 3049-3056 | 4.3 | 13 |
| 60 | Effect of solidification sequence on the microstructure and mechanical properties of die-cast Al□1Si□Cu□e alloy. *Journal of Alloys and Compounds*, **2015**, 649, 679-686 | 5.7 | 12 |
| 59 | Microstructure evolution and mechanical properties of AZ91D magnesium alloy processed by repetitive upsetting. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 641, 62-70 | 5.3 | 12 |
| 58 | Mechanical properties and corrosion resistance of Mg□10Gd□Y□.5Zr alloy by hot extrusion solid-state recycling. *Journal of Alloys and Compounds*, **2013**, 561, 184-192 | 5.7 | 12 |
| 57 | Microstructure and creep behavior of the extruded Mg□Y□Sm□.5Zr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 516, 189-192 | 5.3 | 12 |
| 56 | Precipitate phases in the Mg-4Y-4Sm-0.5Zr alloy. *Journal of Alloys and Compounds*, **2008**, 465, 119-126 | 5.7 | 12 |
| 55 | Effect of melting technique on the microstructure and mechanical properties of AZ91 commercial magnesium alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 429, 320-323 | 5.3 | 12 |
| 54 | Finite element simulation and experimental investigation on homogeneity of Mg-9.8Gd-2.7Y-0.4Zr magnesium alloy processed by repeated-upsetting. *Journal of Materials Processing Technology*, **2015**, 225, 310-317 | 5.3 | 10 |
| 53 | Microstructure and high tensile strength of Mg□10Gd□Y□.5Zr alloy by solid-state recycling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2010**, 528, 715-720 | 5.3 | 10 |
| 52 | Effects of flux containing YCl3 on the yttrium loss, mechanical and corrosion properties of Mg□10Gd□Y□.5Zr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 1510-1515 | 5.3 | 10 |
| 51 | High strain rate superplasticity of rolled AZ91 magnesium alloy. *Rare Metals*, **2008**, 27, 46-49 | 5.5 | 10 |
| 50 | Centrifugally cast Zn□7Al□Mg□Si alloys and their in situ (Mg2Si + Si)/ZA27 composites. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 394, 425-434 | 5.3 | 10 |
| 49 | Microstructure and mechanical properties of overcast aluminum joints. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 1064-1072 | 3.3 | 9 |
| 48 | Microstructure and mechanical properties of AZ31□Mg2Si in situ composite fabricated by repetitive upsetting. *Transactions of Nonferrous Metals Society of China*, **2014**, 24, 3755-3761 | 3.3 | 9 |
| 47 | Influence of Grain Size and Texture on the Yield Strength of Mg Alloys Processed by Severe Plastic Deformation. *Advances in Materials Science and Engineering*, **2014**, 2014, 1-9 | 1.5 | 9 |
| 46 | In situ surface composites of (Mg2Si+Si)/ZA27 fabricated by centrifugal casting. *Materials Letters*, **2003**, 57, 3851-3858 | 3.3 | 9 |
| 45 | Superplastic Behavior and Microstructural Evolution in a Commercial Mg-3Al-1Zn Magnesium Alloy. *Materials Transactions*, **2002**, 43, 2433-2436 | 1.3 | 9 |

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| 44 | The influence of Al–10Sr or/ and Al–5Ti–1B on microstructure and mechanical properties of Al–12Si–4Cu–2Ni–0.8 Mg alloys. *Journal of Alloys and Compounds*, **2019**, 809, 151856 | 5.7 | 8 |
| 43 | Dry Sliding Wear Properties of AZ31-Mg2Si Magnesium Matrix Composites. *Journal of Materials Engineering and Performance*, **2016**, 25, 4109-4114 | 1.6 | 8 |
| 42 | Metal foam stabilization by copper-coated carbon fibers. *Scripta Materialia*, **2013**, 68, 459-462 | 5.6 | 8 |
| 41 | Effect of zinc additions on the microstructure mechanical properties and creep behavior of as-cast Mg–3Sm–0.4Zr (wt.%) alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 4605-4612 | 5.3 | 8 |
| 40 | Friction and wear behavior of Mg–11Y–5Gd–2Zn–0.5Zr (wt%) alloy with oil lubricant. *Rare Metals*, **2013**, 32, 453-458 | 5.5 | 7 |
| 39 | Finite element analysis of strain distribution in ZK60 Mg alloy during cyclic extrusion and compression. *Transactions of Nonferrous Metals Society of China*, **2012**, 22, 1902-1906 | 3.3 | 7 |
| 38 | Anisotropic plastic deformation behavior of as-extruded ZK60 magnesium alloy at room temperature. *Science in China Series D: Earth Sciences*, **2009**, 52, 161-165 | | 7 |
| 37 | Effects of aging on the microstructures and mechanical properties of extruded AM50 + xCa magnesium alloys. *Rare Metals*, **2006**, 25, 377-381 | 5.5 | 7 |
| 36 | Functionally graded Zn-AI-Si in-situ composites fabricated by centrifugal casting. *Journal of Materials Science Letters*, **2001**, 20, 823-826 | | 7 |
| 35 | Characterization of the Aging Precipitates of Al-12Si-4Cu-2Ni-0.8Mg-0.2Gd Piston Alloy. *Jom*, **2019**, 71, 366-372 | 2.1 | 6 |
| 34 | Characterization of phases in Mg-10Y-5Gd-2Zn-0.5Zr alloy processed by heat treatment. *Transactions of Nonferrous Metals Society of China*, **2010**, 20, 2076-2080 | 3.3 | 6 |
| 33 | Hot deformation constitutive model and processing maps of homogenized Al–5Mg–3Zn–1Cu alloy. *Journal of Materials Research and Technology*, **2021**, 14, 324-339 | 5.5 | 6 |
| 32 | Effects of Thermal Exposure on the Microstructure and Mechanical Properties of Al-Si-Cu-Ni-Mg-Gd Alloy. *Journal of Materials Engineering and Performance*, **2019**, 28, 908-915 | 1.6 | 5 |
| 31 | Effects of Titanium Addition on the Microstructural and Mechanical Property Evolution of FeCrB Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2020**, 51, 4610-4622 | 2.3 | 5 |
| 30 | Extra Strain Hardening in High Pressure Die Casting Mg-Al-RE Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2020**, 51, 1487-1492 | 2.3 | 5 |
| 29 | Tribological Behavior of Carbon Nanotube-Reinforced AZ91D Composites Processed by Cyclic Extrusion and Compression. *Tribology Letters*, **2018**, 66, 1 | 2.8 | 5 |
| 28 | Effects of Melt-to-Solid Volume Ratio and Pouring Temperature on Microstructures and Mechanical Properties of Cu/Al Bimetals in Compound Casting Process. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 401-414 | 2.3 | 5 |
| 27 | Experimental and Theoretical Research on the Corrosion Resistance of Ferrous Alloys in Aluminum Melts. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 4665-4676 | 2.3 | 4 |

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| 26 | An Investigation on Microstructures and Mechanical Properties of Ultra-Low Cu Layer Thickness Ratio Cu/8011/1060 Clads. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 5866-5876 | 2.3 | 4 |
| 25 | Influence of Grain Refinement and Texture Evolution on the Yield Strength of Mg Alloy Processed by Cyclic Extrusion and Compression. *Materials Transactions*, **2014**, 55, 120-122 | 1.3 | 4 |
| 24 | Fluidity of MgAlCa alloys in the high-pressure die casting process. *International Journal of Materials Research*, **2007**, 98, 33-38 | 0.5 | 4 |
| 23 | Evaluation of interface structure and high-temperature tensile behavior in Cu/Al8011/Al5052 trilayered composite. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2020**, 798, 140129 | 5.3 | 4 |
| 22 | Experimental and numerical analysis of Cu/Al8011/Al1060 trilayered composite: a comprehensive study. *Journal of Materials Research and Technology*, **2020**, 9, 14695-14707 | 5.5 | 3 |
| 21 | Wear Properties of Hot-Extruded Pure Mg and Mg-1 wt.% SiC Nanocomposite. *Journal of Materials Engineering and Performance*, **2015**, 24, 2774-2778 | 1.6 | 3 |
| 20 | Applicability of Mg-Zn-(Y, Gd) Alloys for Engine Pistons **2011**, 73-78 | | 3 |
| 19 | Damping capacity of SiCw/MgLiAl composites. *Journal of Materials Science Letters*, **2001**, 20, 327-329 | | 3 |
| 18 | Effects of additive NaI on electrodeposition of Al coatings in AlCl3-NaCl-KCl molten salts. *Frontiers of Chemical Science and Engineering*, **2021**, 15, 138-147 | 4.5 | 3 |
| 17 | Damping characterization and its underlying mechanisms in CNTs/AZ91D composite processed by cyclic extrusion and compression. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2021**, 821, 141605 | 5.3 | 3 |
| 16 | Damping performance of SiC nanoparticles reinforced magnesium matrix composites processed by cyclic extrusion and compression. *Journal of Magnesium and Alloys*, **2021**, | 8.8 | 3 |
| 15 | In-Situ Study on Deformation Behavior of ZK60 Alloy Processed by Cyclic Extrusion and Compression. *Materials Transactions*, **2014**, 55, 1180-1183 | 1.3 | 2 |
| 14 | Electrodeposition of Aluminum Coatings from AlCl-NaCl-KCl Molten Salts with TMACl and NaI Additives. *Materials*, **2020**, 13, | 3.5 | 2 |
| 13 | 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. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2016**, 47, 2421-2443 | 2.3 | 2 |
| 12 | Microstructure and Mechanical Properties of Squeeze Cast Al-5 Mg-3Zn-1Cu-1Si Alloy Along Cross Section. *Metals and Materials International*, **2020**, 27, 3776 | 2.4 | 1 |
| 11 | Effect of zinc addition on microstructure and mechanical properties of Mg7Y3Sm0.5Zr alloy. *Transactions of Nonferrous Metals Society of China*, **2012**, 22, 1924-1929 | 3.3 | 1 |
| 10 | Effect of lanthanum content on microstructure and mechanical properties of Al5Mg2Si-0.6Mn alloy in squeeze casting. *Journal of Materials Research and Technology*, **2021**, 15, 6025-6033 | 5.5 | 1 |
| 9 | Effects of Gd Addition on the Microstructure and Tensile Properties of Mg2Al5RE Alloy Produced by Three Different Casting Methods. *Acta Metallurgica Sinica (English Letters)*, **2021**, 34, 1361-1374 | 2.5 | 1 |

# List of Publications

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|---|---|---|---|
| 8 | Characteristic investigation of trilayered Cu/Al8011/Al1060 composite: Interface morphology, microstructure, and in-situ tensile deformation. *Progress in Natural Science: Materials International*, **2021**, 31, 679-679 | 3.6 | 1 |
| 7 | Applicability of Mg-Zn-(Y, Gd) Alloys for Engine Pistons **2011**, 73-78 | | 0 |
| 6 | Effect of Ce on the Microstructure and Corrosion Resistance of Al-5Mg-3Zn-1Cu Alloy. *Metals*, **2022**, 12, 371 | 2.3 | 0 |
| 5 | Applicability of Mg -Zn-(Y, Gd) Alloys for Engine Pistons **2016**, 325-330 | | |
| 4 | Indentation Creep Behavior of Mg-10Gd-3Y-0.5Zr (wt.%) Alloy at Elevated Temperatures **2014**, 65-70 | | |
| 3 | Indentation Creep Behavior of Mg-10Gd-3Y-0.5Zr (wt.%) Alloy at Elevated Temperatures65-70 | | |
| 2 | Applicability of Mg -Zn-(Y, Gd) Alloys for Engine Pistons325-330 | | |
| 1 | Influence of calcium on ignition-proof mechanism of AM50 magnesium alloy. *Journal of Materials Science*, **2022**, 57, 7719-7728 | 4.3 | |