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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.

181 papers	3,851 citations	33 h-index	54 g-index
182 ext. papers	4,686 ext. citations	4.2 avg, IF	5.71 L-index

#	Paper	IF	Citations
181	Online Word-of-Mouth (or Mouse): An Exploration of Its Antecedents and Consequences. <i>Journal of Computer-Mediated Communication</i> , 2006 , 11, 1104-1127	5.9	363
180	The effect of Ca and rare earth elements on the microstructure, mechanical properties and corrosion behavior of AZ91D. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005 , 408, 255-263	5.3	248
179	Tensile properties of extruded ZK60RE alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2003 , 349, 207-212	5.3	145
178	Spreading and direction of Gaussian-Schell model beam through a non-Kolmogorov turbulence. <i>Optics Letters</i> , 2010 , 35, 715-7	3	116
177	Effect of Zr on the microstructure, mechanical properties and corrosion resistance of Mg ₉₀ Gd ₁₀ Y magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009 , 523, 145-151	5.3	104
176	Influence of cerium on the microstructure, mechanical properties and corrosion resistance of magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006 , 433, 208-215	5.3	86
175	Determination of alkylphenol and bisphenol A in beverages using liquid chromatography/electrospray ionization tandem mass spectrometry. <i>Analytica Chimica Acta</i> , 2005 , 530, 245-252	6.6	81
174	Electrodeposition of chemically and mechanically protective Al-coatings on AZ91D Mg alloy. <i>Corrosion Science</i> , 2011 , 53, 381-387	6.8	72
173	Effect of Y and Gd content on the microstructure and mechanical properties of Mg ₉₀ RE alloys. <i>Journal of Magnesium and Alloys</i> , 2019 , 7, 345-354	8.8	71
172	Tailoring nickel coatings via electrodeposition from a eutectic-based ionic liquid doped with nicotinic acid. <i>Applied Surface Science</i> , 2011 , 257, 9094-9102	6.7	66
171	Analytical vectorial structure of hollow Gaussian beams in the far field. <i>Optics Express</i> , 2008 , 16, 6417-2433	3.3	61
170	Effect of Gd content on high temperature mechanical properties of Mg ₉₀ Gd ₁₀ Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 651, 840-847	5.3	60
169	A novel biodegradable Mg ₉₀ Nd ₇ Zn ₃ Zr alloy with uniform corrosion behavior in artificial plasma. <i>Materials Letters</i> , 2012 , 88, 1-4	3.3	60
168	Recent developments and applications on high-performance cast magnesium rare-earth alloys. <i>Journal of Magnesium and Alloys</i> , 2021 , 9, 1-20	8.8	60
167	Grain refinement and fatigue strengthening mechanisms in as-extruded Mg ₉₀ Zn ₁₀ .5Zr and Mg ₉₀ Gd ₁₀ Y _{0.5} Zr magnesium alloys by shot peening. <i>International Journal of Plasticity</i> , 2013 , 49, 16-35	7.6	56
166	Effect of Gd content on microstructure and mechanical properties of Mg ₉₀ Gd ₁₀ Zr alloys under peak-aged condition. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 615, 79-86	5.3	53
165	Effect of Al additions on grain refinement and mechanical properties of Mg ₉₀ Al ₁₀ alloys. <i>Journal of Alloys and Compounds</i> , 2015 , 620, 172-179	5.7	51

164	Effect of Y content on microstructure and mechanical properties of as-cast Mg ₈ Li ₃ Al ₁₀ Zn alloy with duplex structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 650, 240-247	5.3	51
163	Microstructure and tensile properties of as-extruded Mg ₉₁ Zn ₉ alloys reinforced with icosahedral quasicrystal phase. <i>Materials & Design</i> , 2015 , 66, 162-168		45
162	Effect of chemical composition on the microstructure, tensile properties and fatigue behavior of sand-cast Mg ₉₀ Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 612, 293-301	5.3	42
161	Continuous intermetallic compounds coatings on AZ91D Mg alloy fabricated by diffusion reaction of Mg/Al couples. <i>Surface and Coatings Technology</i> , 2011 , 205, 2907-2913	4.4	42
160	Effect of cooling rate on the microstructure and mechanical properties of sand-casting Mg ₉₀ Gd ₅ Y ₂ .5Zr magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 562, 152-160	5.3	41
159	Effects of Sc addition on the microstructure and mechanical properties of cast Al-3Li-1.5Cu-0.15Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 680, 232-238	5.3	38
158	Effects of processing parameters and Ca content on microstructure and mechanical properties of squeeze casting AZ91Mg alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 595, 109-117	5.3	37
157	Fatigue behavior and plane-strain fracture toughness of sand-cast Mg ₉₀ Gd ₅ Y ₂ .5Zr magnesium alloy. <i>Materials & Design</i> , 2014 , 59, 466-474		37
156	Preparation of an Mg ₉₀ Zn alloy semisolid slurry by low frequency electro-magnetic stirring. <i>Materials and Design</i> , 2015 , 84, 53-63	8.1	35
155	Grain Refinement of Magnesium Alloys by Mg/Zr Master Alloys: The Role of Alloy Chemistry and Zr Particle Number Density. <i>Advanced Engineering Materials</i> , 2013 , 15, 373-378	3.5	35
154	Microstructural characteristics and mechanical properties of cast Al-3Li-xCu-0.2Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 677, 29-40	5.3	35
153	Mechanical and Tribological Characterization of Al-Mg ₂ Si Composites After Yttrium Addition and Heat Treatment. <i>Journal of Materials Engineering and Performance</i> , 2014 , 23, 1146-1156	1.6	34
152	Heat treatment, microstructure and mechanical properties of a Mg ₉₀ Zr alloy grain-refined by Al additions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 576, 298-305	5.3	34
151	Electrochemical behavior of magnesium alloys AZ91D, AZCe2, and AZLa1 in chloride and sulfate solutions. <i>Journal of Applied Electrochemistry</i> , 2008 , 38, 251-257	2.6	34
150	Influence of lanthanum on the microstructure, mechanical property and corrosion resistance of magnesium alloy. <i>Journal of Materials Science</i> , 2006 , 41, 5409-5416	4.3	34
149	Behavior of Mg ₉₁ Al ₉ alloy during solution heat treatment at 415 °C. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1281-1283		34
148	Effect of extrusion ratio on microstructure and mechanical properties of Mg ₈ Li ₃ Al ₁₀ Zn _{0.5} Y alloy with duplex structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2017 , 692, 9-16	5.3	33
147	Beam wander of random electromagnetic Gaussian-shell model vortex beams propagating through a Kolmogorov turbulence. <i>Optics Communications</i> , 2015 , 336, 55-58	2	33

- 146 Preparation of Mg₉₀Nd₇Zn₃(Zr) alloys semisolid slurry by electromagnetic stirring. *Materials and Design*, **2016**, 95, 398-409 8.1 33
- 145 Effect of heat treatment on tensile properties, impact toughness and plane-strain fracture toughness of sand-cast Mg-6Gd-3Y-0.5Zr magnesium alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 705, 402-410 5.3 32
- 144 Grain refinement of Mg-10Gd alloy by Al additions. *Journal of Materials Research*, **2012**, 27, 2790-2797 2.5 31
- 143 Study on Fe reduction in AZ91 melt by B₂O₃. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 368, 311-317 5.3 31
- 142 Influence of heat treatment on microstructure and mechanical properties of as-cast Mg₈₅Li₁₀Al₅Zn_{0.5}Y alloy with duplex structure. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 669, 87-94 5.3 31
- 141 Influence of Sc content on the microstructure and mechanical properties of cast Al-2Li-2Cu-0.5Mg-0.2Zr alloy. *Materials Characterization*, **2018**, 142, 223-236 3.9 31
- 140 Microstructural evolution and mechanical properties of cast Al-3Li-1.5Cu-0.2Zr alloy during heat treatment. *Materials Characterization*, **2016**, 114, 234-242 3.9 30
- 139 High temperature mechanical behavior of low-pressure sand-cast Mg₉₀Gd₇Zr₃ magnesium alloy. *Journal of Magnesium and Alloys*, **2019**, 7, 597-604 8.8 30
- 138 Microstructure and mechanical properties of as-cast and extruded Mg₈₅Li₁₀Al₅Zn_{0.5}Nd alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2015**, 621, 198-203 5.3 29
- 137 Effect of heat treatment on microstructure, mechanical properties and fracture behaviors of sand-cast Mg-4Y-3Nd-1Gd-0.2Zn-0.5Zr alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 677, 411-420 5.3 28
- 136 Preparation of ultrafine calcium carbonate particles with micropore dispersion method. *Powder Technology*, **2007**, 172, 82-88 5.2 28
- 135 High Cycle Fatigue of Cast Mg-3Nd-0.2Zn Magnesium Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2013**, 44, 5202-5215 2.3 27
- 134 Gd contents, mechanical and corrosion properties of Mg₉₀Gd₇Y₃ alloy purified by fluxes containing GdCl₃ additions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 507, 207-214 5.3 27
- 133 Beam wander of electromagnetic Gaussian-Schell model beams propagating in atmospheric turbulence. *Applied Optics*, **2012**, 51, 7581-5 1.7 27
- 132 Microstructure and mechanical properties of rheo-squeeze casting AZ91-Ca magnesium alloy prepared by gas bubbling process. *Materials & Design*, **2015**, 67, 1-8 25
- 131 Precipitation of barium sulfate nanoparticles via impinging streams. *Materials Letters*, **2007**, 61, 168-170 3.3 25
- 130 Effect of heat treatment on the microstructure and mechanical properties of extruded Al₈₅Cu₁₀Li₅0.4Mg_{0.4}Ag_{0.18}Zr Alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2018**, 717, 11-19 5.3 23
- 129 Microstructural evolution and mechanical properties of cast Al-2Li-2Cu-0.5Mg-0.2Zr alloy during heat treatment. *Materials Characterization*, **2017**, 132, 312-319 3.9 23

128	Influence of flux containing YCl ₃ additions on purifying effectiveness and properties of Mg ₁₀ Gd ₃ Y _{0.5} Zr alloy. <i>Journal of Alloys and Compounds</i> , 2009 , 480, 386-391	5.7	23
127	Microstructure evolution of semi-solid Mg ₁₀ Gd ₃ Y _{0.5} Zr alloy during isothermal heat treatment. <i>Journal of Magnesium and Alloys</i> , 2013 , 1, 39-46	8.8	22
126	Balance of mechanical properties of Mg-8Li-3Al-2Zn-0.5Y alloy by solution and low-temperature aging treatment. <i>Journal of Alloys and Compounds</i> , 2019 , 791, 655-664	5.7	20
125	Microstructure characterization and high-temperature shear strength of the Mg ₁₀ Gd ₃ Y _{0.2} Zn _{0.5} Zr alloy in the as-cast and aged conditions. <i>Journal of Alloys and Compounds</i> , 2015 , 619, 826-833	5.7	20
124	Influences of Mn content on the microstructures and mechanical properties of cast Al-3Li-2Cu-0.2Zr alloy. <i>Journal of Alloys and Compounds</i> , 2017 , 715, 421-431	5.7	19
123	Effects of Gd and Zr additions on the microstructures and high-temperature mechanical behavior of Mg ₁₀ Gd ₃ Zr magnesium alloys in the product form of a large structural casting. <i>Journal of Materials Research</i> , 2015 , 30, 3461-3473	2.5	19
122	Influence of Er addition on microstructure and mechanical properties of as-cast Mg-10Li-5Zn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 739, 395-403	5.3	19
121	Effects of Cooling Rate and Solute Content on the Grain Refinement of Mg-Gd-Y Alloys by Aluminum. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 4665-4678	2.3	18
120	Precipitation process in a Mg ₁₀ Gd ₃ alloy grain-refined by Al addition. <i>Materials Characterization</i> , 2014 , 88, 7-14	3.9	18
119	Paraxial propagation of partially coherent flat-topped beam. <i>Optics Communications</i> , 2006 , 260, 687-690		18
118	Effects of processing parameters on microstructure and mechanical properties of squeeze-cast Mg ₁₂ Zn ₃ Al _{0.5} Ca alloy. <i>Materials & Design</i> , 2014 , 63, 729-737		17
117	Effects of chemical composition on the microstructure and mechanical properties of gravity cast Mg ₈ Zn ₃ RE ₂ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2014 , 594, 52-61	5.3	17
116	Influence of trace As content on the microstructure and corrosion behavior of the AZ91 alloy in different metallurgical conditions. <i>Journal of Magnesium and Alloys</i> , 2020 , 8, 301-317	8.8	16
115	Influences of heat treatment on microstructural evolution and tensile behavior of squeeze-cast Mg ₁₀ Gd ₃ Zr alloy. <i>Journal of Materials Science</i> , 2017 , 52, 1831-1846	4.3	16
114	Effect of rolling strain on microstructure and tensile properties of dual-phase Mg ₈ Li ₃ Al _{0.2} Zn _{0.5} Y alloy. <i>Journal of Materials Science and Technology</i> , 2018 , 34, 2256-2262	9.1	16
113	Influences of Mg content on the microstructures and mechanical properties of cast Al _{0.2} Li _{0.2} Cu _{0.2} Zr alloy. <i>Journal of Materials Science</i> , 2019 , 54, 791-811	4.3	15
112	Influence of solution temperature on fatigue behavior of AM-SC1 cast magnesium alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 565, 250-257	5.3	15
111	Grain refinement behavior of potassium fluozirconate (K ₂ ZrF ₆) salts mixture introduced into Mg ₁₀ Gd ₃ Y magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2010 , 494, 426-433	5.7	15

110	Trapping and recording the collision- and photo-induced fragmentation patterns of multiply charged metal complexes in the gas phase. <i>International Journal of Mass Spectrometry</i> , 2007 , 262, 211-219	1.9	15
109	Microstructure, mechanical properties and fracture behavior of peak-aged Mg ₃₄ Y ₃₂ Nd ₃₁ Gd alloys under different aging conditions. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 561, 303-311	5.3	14
108	Microstructure characterization and mechanical properties of the as-cast and as-extruded Mg-xLi-5Zn-0.5Er (x = 8, 10 and 12 wt%) alloys. <i>Materials Characterization</i> , 2020 , 159, 110008	3.9	14
107	Microstructure and mechanical properties of sand-cast Mg-6Gd-3Y-0.5Zr alloy subject to thermal cycling treatment. <i>Journal of Materials Science and Technology</i> , 2020 , 43, 208-219	9.1	14
106	Average capacity of OAM-multiplexed FSO system with vortex beam propagating through non-Kolmogorov turbulence. <i>China Communications</i> , 2016 , 13, 153-159	3	13
105	The propagation of electromagnetic Gaussian-Schell model beams through atmospheric turbulence in a slanted path. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 035706	1.7	13
104	Beam propagation factor of partially coherent Hermite-Gaussian beams through non-Kolmogorov turbulence. <i>Optics and Laser Technology</i> , 2011 , 43, 1225-1228	4.2	13
103	Evidence of asymmetric cation solvation from the instability of [Pb(H ₂ O) _n] ²⁺ complexes. <i>Chemical Communications</i> , 2009 , 4088-90	5.8	13
102	State-resolved UV photofragmentation spectrum of the metal dication complex [Zn(pyridine) ₄] ²⁺ . <i>Chemical Communications</i> , 2008 , 4153-5	5.8	13
101	Al _{0.5} Mg _{0.5} Li _{0.5} Zn _{0.07} Sc _{0.07} Zr alloy produced by gravity casting and heat treatment processing. <i>Materials and Manufacturing Processes</i> , 2018 , 33, 891-897	4.1	13
100	Spectral anomalies of focused hollow Gaussian beams at the geometrical focal plane. <i>Optics Communications</i> , 2008 , 281, 4169-4172	2	12
99	Effect of Zn on precipitation evolution and mechanical properties of a high strength cast Al-Li-Cu alloy. <i>Materials Characterization</i> , 2020 , 160, 110089	3.9	12
98	Effect of solution treatment on microstructure and mechanical properties of cast Al _{0.5} Li _{0.5} Cu _{0.2} Zr alloy. <i>Journal of Materials Research</i> , 2016 , 31, 1124-1132	2.5	12
97	Refinement of primary Si in Al ₀ %Si alloy by MRB through phosphorus additions. <i>Journal of Materials Processing Technology</i> , 2015 , 225, 485-491	5.3	11
96	Beam conditions for radiation generated by an electromagnetic J0-correlated Schell-model source. <i>Optics Letters</i> , 2008 , 33, 2677-9	3	11
95	Influence of Pressure and Temperature on Microstructure and Mechanical Behavior of Squeeze Cast Mg-10Gd-3Y-0.5Zr Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2016 , 47, 4104-4115	2.3	11
94	Microstructure characteristics of an ultra-high strength extruded Al-4.7Cu _{0.5} Li-0.5Mg-0.1Zr _{0.1} Zn alloy during heat treatment. <i>Journal of Alloys and Compounds</i> , 2020 , 813, 152216	5.7	11
93	Communication: Delayed asymmetric Coulomb fission of molecular clusters: application of a dielectric liquid-drop model. <i>Journal of Chemical Physics</i> , 2011 , 134, 031103	3.9	10

92	Effects of flux containing YCl ₃ on the yttrium loss, mechanical and corrosion properties of Mg ₉₀ Gd ₅ Y ₂ Zr alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2010 , 527, 1510-1515	5.3	10
91	Preparation and rheo-squeeze casting of semi-solid AZ91D wt% Ca magnesium alloy by gas bubbling process. <i>Journal of Materials Research</i> , 2015 , 30, 825-832	2.5	9
90	Influence of Ca on Corrosion Resistance of AZ91D. <i>Journal of the Electrochemical Society</i> , 2006 , 153, B283-9	3.9	9
89	Effect of Gas Bubbling on Tensile Elongation of Gravity Mold Castings of Magnesium Alloy. <i>Materials Transactions</i> , 2007 , 48, 2778-2781	1.3	9
88	High-Temperature Tensile and Compressive Behavior of Peak-Aged Sand-Cast Mg ₉₀ Gd ₅ Y ₂ Zr Alloy. <i>Advanced Engineering Materials</i> , 2016 , 18, 671-677	3.5	9
87	Effect of Mn addition on microstructure and mechanical properties of cast Al-2Li-2Cu-0.8Mg-0.4Zn-0.2Zr alloy. <i>Journal of Materials Research</i> , 2016 , 31, 250-258	2.5	9
86	Effect of Zn addition on microstructure and mechanical properties of Mg ₉₀ Gd ₅ Y ₂ Zr alloy. <i>Journal of Materials Research</i> , 2018 , 33, 733-744	2.5	8
85	Effects of coherence and polarization on the beam spreading and direction through atmospheric turbulence. <i>Optics Communications</i> , 2011 , 284, 4275-4278	2	8
84	Evidence of zinc superoxide formation in the gas phase: comparisons in behaviour between ligated Zn(I/II) and Cu(I/II) with regard to the attachment of O ₂ or H ₂ O. <i>Dalton Transactions</i> , 2011 , 40, 11200-10	4.3	8
83	Propagation of flat-topped beams. <i>Optics and Laser Technology</i> , 2008 , 40, 494-498	4.2	8
82	Microstructures and mechanical properties of ultralight cast Al-3Li-XMg-0.1Zr alloys. <i>Materials Characterization</i> , 2020 , 170, 110698	3.9	8
81	Microstructure and High Temperature Tensile Properties of Mg ₉₀ Gd ₅ Y ₂ Zr Alloy after Thermo-Mechanical Processing. <i>Metals</i> , 2018 , 8, 980	2.3	8
80	Role of extrusion temperature on the microstructure evolution and tensile properties of an ultralight Mg-Li-Zn-Er alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 876, 160181	5.7	8
79	Plastic deformation and heat treatment of Mg-Li alloys: a review. <i>Journal of Materials Science and Technology</i> , 2022 , 99, 193-206	9.1	8
78	Whole genome expression profiling reveals a significant role for the cell junction and apoptosis pathways in breast cancer stem cells. <i>Molecular Biotechnology</i> , 2010 , 45, 39-48	3	7
77	X-ray absorption fine structure and photon-stimulated ion desorption from solid MoO ₃ at molybdenum 3p _{1/2} , 3p _{3/2} and oxygen 1s edges. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006 , 245, 406-410	1.2	7
76	Microstructure and mechanical properties of repair welds of low-pressure sand-cast Mg ₉₀ RE ₂ Zr alloy by tungsten inert gas welding. <i>Journal of Magnesium and Alloys</i> , 2020 ,	8.8	7
75	Effects of Mg and Sc additions on the microstructure, mechanical properties, and thermal stability of a cast Al-2Li-2Cu-0.2Zr alloy after thermal exposure. <i>Journal of Alloys and Compounds</i> , 2019 , 788, 367-382	5.7	7

74	Influence of heat treatment on cyclic deformation and low-cycle fatigue behavior of sand-cast Mg-10Gd-3Y-0.5Zr magnesium alloy. <i>Journal of Materials Research</i> , 2017 , 32, 2179-2187	2.5	6
73	Effects of Ce-rich RE on microstructure and mechanical properties of as-cast Mg-8Li-3Al-2Zn-0.5Nd alloy with duplex structure. <i>Progress in Natural Science: Materials International</i> , 2019 , 29, 103-109	3.6	6
72	Effects of Al and Y Addition on Microstructures and Mechanical Properties of As-Cast Mg-14Li Based Alloy. <i>Advanced Engineering Materials</i> , 2019 , 21, 1800755	3.5	6
71	Microstructure and mechanical properties of Mg-3.0Y-2.5Nd-1.0Gd-1.0Zn-0.5Zr alloys produced by metallic and sand mold casting. <i>Journal of Materials Research</i> , 2017 , 32, 3191-3201	2.5	6
70	Effects of Ca content on the microstructure of semisolid Mg-13Al alloy produced via isothermal heat treatment. <i>Journal of Alloys and Compounds</i> , 2012 , 534, 52-58	5.7	6
69	The UV photofragmentation spectroscopy of the metal dication complex [Mn(pyridine) ₄] ²⁺ . <i>Molecular Physics</i> , 2010 , 108, 1199-1208	1.7	6
68	Experimental studies with foot-and-mouth disease virus type Asia-1, responsible for the 2005 epidemic in China. <i>Research in Veterinary Science</i> , 2008 , 85, 368-71	2.5	6
67	Beam combination of a radial laser array: Flat-topped beam. <i>Optics and Laser Technology</i> , 2008 , 40, 890-894	4.4	6
66	Focal shift in focused radially polarized ultrashort pulsed laser beams. <i>Applied Optics</i> , 2007 , 46, 6251-5	1.7	6
65	Comment on "partially coherent flat-topped beam and its propagation". <i>Applied Optics</i> , 2006 , 45, 366-8; discussion 369-71	1.7	6
64	Rapid, non-invasive screening of keratitis based on Raman spectroscopy combined with multivariate statistical analysis. <i>Photodiagnosis and Photodynamic Therapy</i> , 2020 , 31, 101932	3.5	6
63	Microstructural characteristics and mechanical properties of extruded Al-4Cu-1Li-0.4Mg-0.1Zr-xZn alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 743, 223-232	5.3	6
62	Achieving low-temperature Zr alloying for microstructural refinement of sand-cast Mg-Gd-Y alloy by employing zirconium tetrachloride. <i>Materials Characterization</i> , 2021 , 171, 110727	3.9	6
61	An insight into the precipitate evolution and mechanical properties of a novel high-performance cast Al-Li-Cu-Mg-X alloy. <i>Journal of Alloys and Compounds</i> , 2021 , 875, 159996	5.7	6
60	Addressing the strength-ductility trade-off in a cast Al-Li-Cu alloy by synergistic effect of Sc-alloying and optimized artificial ageing scheme. <i>Journal of Materials Science and Technology</i> , 2022 , 96, 212-225	9.1	6
59	Effects of processing parameters and addition of flame-retardant into moulding sand on the microstructure and fluidity of sand-cast magnesium alloy Mg-10Gd-3Y-0.5Zr. <i>Journal of Materials Science and Technology</i> , 2017 , 33, 558-566	9.1	5
58	Effect of mold temperature on microstructure and mechanical properties of rheo-squeeze casting Mg-3Nd-0.2Zn-0.4Zr alloy. <i>Journal of Materials Research</i> , 2017 , 32, 4206-4218	2.5	5
57	Effects of minor Y addition on microstructure and mechanical properties of Mg-Nd-Zn-Zr alloy. <i>Journal of Materials Research</i> , 2017 , 32, 3712-3722	2.5	5

56	Spreading of partially coherent Hermite-Gaussian beams through a non-Kolmogorov turbulence. <i>Optik</i> , 2011 , 122, 2029-2033	2.5	5
55	Origin of the age-hardening and age-softening response in Mg-Li-Zn based alloys. <i>Acta Materialia</i> , 2022 , 226, 117673	8.4	5
54	Formation of non-dendritic microstructures in preparation of semi-solid Mg-RE alloys slurries: Roles of RE content and cooling rate. <i>Journal of Materials Processing Technology</i> , 2020 , 279, 116545	5.3	5
53	Combining derivative Raman with autofluorescence to improve the diagnosis performance of echinococcosis. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2021 , 247, 119083	4.4	5
52	High-cycle fatigue behavior of Mg-8Li-3Al-2Zn-0.5Y alloy under different states. <i>Journal of Magnesium and Alloys</i> , 2021 , 9, 1609-1618	8.8	5
51	Semi-solid slurry preparation, rheo-die casting and rheo-squeeze casting of an AZ91-Mg-1.5Ce ignition-proof magnesium alloy by gas-bubbling process. <i>Journal of Materials Research</i> , 2017 , 32, 677-686	2.5	4
50	Influence of different casting processes on high cycle fatigue behavior of Mg-10Gd-3Y-0.5Zr alloy. <i>Journal of Materials Research</i> , 2016 , 31, 2538-2548	2.5	4
49	Optimizations of Canny Edge Detection in Ghost Imaging. <i>Journal of the Korean Physical Society</i> , 2019 , 75, 223-228	0.6	4
48	Propagation properties of electromagnetic multi-Gaussian Schell model beams propagating through atmospheric turbulence. <i>Journal of the Korean Physical Society</i> , 2014 , 64, 826-831	0.6	4
47	Ultraviolet photofragmentation spectroscopy of alkaline earth dication complexes with pyridine and 4-picoline (4-methyl pyridine). <i>Journal of Physical Chemistry A</i> , 2011 , 115, 6948-60	2.8	4
46	Gas phase studies of metal dimer complexes, M ₂ Ln ⁺ , where M=Zn and Mn, and L=pyrrole and furan, for n in the range 1-8. <i>International Journal of Mass Spectrometry</i> , 2006 , 249-250, 289-295	1.9	4
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