

Yoshihito Kawamura

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204
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7,386
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209
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avg, IF

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#	Paper	IF	Citations
204	Rapidly Solidified Powder Metallurgy Mg ₉₇ Zn ₁ Y ₂ Alloys with Excellent Tensile Yield Strength above 600 MPa. <i>Materials Transactions</i> , 2001 , 42, 1172-1176	1.3	831
203	Formation and Mechanical Properties of Mg ₉₇ Zn ₁ RE ₂ Alloys with Long-Period Stacking Ordered Structure. <i>Materials Transactions</i> , 2007 , 48, 2986-2992	1.3	386
202	Formation of 14H long period stacking ordered structure and profuse stacking faults in Mg ₉₇ Zn ₁ Al alloys during isothermal aging at high temperature. <i>Acta Materialia</i> , 2007 , 55, 6798-6805	8.4	380
201	Mechanical properties of warm-extruded Mg ₉₇ Zn ₁ Al alloy with coherent 14H long periodic stacking ordered structure precipitate. <i>Scripta Materialia</i> , 2005 , 53, 799-803	5.6	372
200	Effect of multimodal microstructure evolution on mechanical properties of Mg ₉₇ Zn ₁ Al extruded alloy. <i>Acta Materialia</i> , 2011 , 59, 3646-3658	8.4	332
199	Novel hexagonal structure and ultrahigh strength of magnesium solid solution in the Mg ₉₇ Zn ₁ Al system. <i>Journal of Materials Research</i> , 2001 , 16, 1894-1900	2.5	299
198	Effect of strain rate on compressive behavior of a Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass. <i>Intermetallics</i> , 2002 , 10, 1071-1077	3.5	260
197	Microstructure and Mechanical Properties of Extruded Mg-Zn-Y Alloys with 14H Long Period Ordered Structure. <i>Materials Transactions</i> , 2006 , 47, 959-965	1.3	253
196	Elevated temperature Mg ₉₇ Y ₂ Cu ₁ alloy with long period ordered structure. <i>Scripta Materialia</i> , 2006 , 55, 453-456	5.6	218
195	Dynamic response of a Pd ₄₀ Ni ₄₀ P ₂₀ bulk metallic glass in tension. <i>Scripta Materialia</i> , 2002 , 46, 43-47	5.6	173
194	Superplastic deformation of Zr ₆₅ Al ₁₀ Ni ₁₀ Cu ₁₅ metallic glass. <i>Scripta Materialia</i> , 1997 , 37, 431-436	5.6	163
193	Full strength compacts by extrusion of glassy metal powder at the supercooled liquid state. <i>Applied Physics Letters</i> , 1995 , 67, 2008-2010	3.4	156
192	Crystallographic classification of kink bands in an extruded Mg ₉₇ Zn ₁ Al alloy using intragranular misorientation axis analysis. <i>Acta Materialia</i> , 2013 , 61, 2065-2076	8.4	151
191	Relation between corrosion behavior and microstructure of Mg ₉₇ Zn ₁ Al alloys prepared by rapid solidification at various cooling rates. <i>Corrosion Science</i> , 2009 , 51, 395-402	6.8	128
190	Strengthening mechanisms acting in extruded Mg-based long-period stacking ordered (LPSO)-phase alloys. <i>Acta Materialia</i> , 2019 , 163, 226-239	8.4	121
189	Superplasticity in Pd ₄₀ Ni ₄₀ P ₂₀ metallic glass. <i>Scripta Materialia</i> , 1998 , 39, 301-306	5.6	113
188	Thermal diffusivity and conductivity of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ bulk metallic glass. <i>Scripta Materialia</i> , 2005 , 53, 63-67	5.6	111

187	Thermal diffusivity and thermal conductivity of Mg ₇₀ Zn ₃₀ rare earth element alloys with long-period stacking ordered phase. <i>Scripta Materialia</i> , 2009 , 60, 264-267	5.6	100
186	Characterization of β' Phase Precipitates in an Mg-5 at%Gd Alloy Aged in a Peak Hardness Condition, Studied by High-Angle Annular Detector Dark-Field Scanning Transmission Electron Microscopy. <i>Materials Transactions</i> , 2006 , 47, 2109-2112	1.3	99
185	Highly ordered 10H-type long-period stacking order phase in a Mg ₇₀ Zn ₃₀ ternary alloy. <i>Scripta Materialia</i> , 2014 , 78-79, 13-16	5.6	97
184	Corrosion behavior of rapidly solidified Mg ₇₀ Zn ₃₀ rare earth element alloys in NaCl solution. <i>Corrosion Science</i> , 2007 , 49, 255-262	6.8	90
183	Newtonian viscosity of supercooled liquid in a Pd ₄₀ Ni ₄₀ P ₂₀ metallic glass. <i>Applied Physics Letters</i> , 2000 , 77, 1114-1116	3.4	90
182	Effect of Extrusion Parameters on Mechanical Properties of Mg ₉₇ Zn ₁ Y ₂ Alloys at Room and Elevated Temperatures. <i>Materials Transactions</i> , 2010 , 51, 1640-1647	1.3	83
181	High-Strain-Rate Superplasticity due to Newtonian Viscous Flow in La ₅₅ Al ₂₅ Ni ₂₀ Metallic Glass. <i>Materials Transactions, JIM</i> , 1999 , 40, 794-803		81
180	Plastic deformation behavior of 10H-type synchronized LPSO phase in a Mg ₇₀ Zn ₃₀ system. <i>Acta Materialia</i> , 2016 , 109, 90-102	8.4	79
179	Novel Hexagonal Structure of Ultra-High Strength Magnesium-Based Alloys. <i>Materials Transactions</i> , 2002 , 43, 580-584	1.3	74
178	Spark welding of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ bulk metallic glasses. <i>Scripta Materialia</i> , 2001 , 45, 127-132	5.6	71
177	Microstructure Evolutions of Rapidly-Solidified and Conventionally-Cast Mg ₉₇ Zn ₁ Y ₂ Alloys. <i>Materials Transactions</i> , 2008 , 49, 990-994	1.3	64
176	Thermal diffusivity and conductivity of supercooled liquid in Zr ₄₁ Ti ₁₄ Cu ₁₂ Ni ₁₀ Be ₂₃ metallic glass. <i>Applied Physics Letters</i> , 2004 , 84, 4653-4655	3.4	64
175	Formation process of unique microstructure in rapidly solidified Mg ₉₇ Zn ₁ Y ₂ alloy. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 1217-1223	5.3	62
174	Electron-beam welding of Zr-based bulk metallic glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 312-316	5.3	56
173	Corrosion and passivation behavior of Mg ₇₀ Zn ₃₀ Al alloys prepared by cooling rate-controlled solidification. <i>Applied Surface Science</i> , 2011 , 257, 8258-8267	6.7	54
172	Orientation dependence of the deformation kink band formation behavior in Zn single crystal. <i>International Journal of Plasticity</i> , 2016 , 77, 174-191	7.6	52
171	Superplastic bonding of bulk metallic glasses using friction. <i>Scripta Materialia</i> , 2001 , 45, 279-285	5.6	52
170	Configuration of dislocations in low-angle kink boundaries formed in a single crystalline long-period stacking ordered Mg-Zn-Y alloy. <i>Acta Materialia</i> , 2018 , 151, 112-124	8.4	49

169	Micro-Kinking of the Long-Period Stacking/Order (LPSO) Phase in a Hot-Extruded Mg ₉₇ Zn ₁ Y ₂ Alloy. <i>Materials Transactions</i> , 2013 , 54, 698-702	1.3	49
168	Thermal stability and crystallisation of a Zr ₅₅ Cu ₃₀ Al ₁₀ Ni ₅ bulk metallic glass studied by in situ ultrasonic echography. <i>Intermetallics</i> , 2002 , 10, 1289-1296	3.5	48
167	Evolution of Mechanical Properties and Microstructure in Extruded Mg ₉₆ Zn ₂ Y ₂ Alloys by Annealing. <i>Materials Transactions</i> , 2009 , 50, 2526-2531	1.3	45
166	Successful Electron-Beam Welding of Bulk Metallic Glass. <i>Materials Transactions</i> , 2001 , 42, 2476-2478	1.3	39
165	Effect of LPSO Phase-Stimulated Texture Evolution on Creep Resistance of Extruded Mg–Zn–Gd Alloys. <i>Materials Transactions</i> , 2013 , 54, 703-712	1.3	38
164	Characterization of Precipitates in Mg–Sm Alloy Aged at 200°C, Studied by High-Resolution Transmission Electron Microscopy and High-Angle Annular Detector Dark-Field Scanning Transmission Electron Microscopy. <i>Materials Transactions</i> , 2009 , 50, 1747-1752	1.3	37
163	Crystallographic nature of deformation bands shown in Zn and Mg-based long-period stacking ordered (LPSO) phase. <i>Philosophical Magazine</i> , 2015 , 95, 132-157	1.6	36
162	Strengthening of Mg-based long-period stacking ordered (LPSO) phase with deformation kink bands. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 763, 138163	5.3	33
161	Nanoclusters first: a hierarchical phase transformation in a novel Mg alloy. <i>Scientific Reports</i> , 2015 , 5, 14186	4.9	32
160	Microstructure and Mechanical Properties of Mg–Zn–Y Rolled Sheet with a Mg ₁₂ ZnY Phase. <i>Materials Transactions</i> , 2010 , 51, 1536-1542	1.3	31
159	Electron backscatter diffraction pattern analysis of the deformation band formed in the Mg-based long-period stacking ordered phase. <i>Scripta Materialia</i> , 2016 , 117, 32-36	5.6	30
158	Evolution of long-period stacking ordered structures on annealing as-cast Mg ₈₅ Y ₉ Zn ₆ alloy ingot observed by synchrotron radiation small-angle scattering. <i>Scripta Materialia</i> , 2013 , 68, 575-578	5.6	30
157	Friction welding of bulk metallic glasses to different ones. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2004 , 375-377, 394-398	5.3	29
156	In-Situ Observation on the Formation Behavior of the Deformation Kink Bands in Zn Single Crystal and LPSO Phase. <i>Materials Transactions</i> , 2015 , 56, 943-951	1.3	27
155	The Fine-Grained Structure in Magnesium Alloy Containing Long-Period Stacking Order Phase. <i>Materials Transactions</i> , 2008 , 49, 1294-1297	1.3	27
154	Electron Beam Welding of Zr-Based Bulk Metallic Glass to Crystalline Zr Metal. <i>Materials Transactions</i> , 2001 , 42, 2649-2651	1.3	27
153	Inhibition of Al grain coarsening by quasicrystalline icosahedral phase in the rapidly solidified powder metallurgy Al ₈₈ Fe ₁₁ Cr alloy. <i>Scripta Materialia</i> , 2007 , 56, 785-788	5.6	26
152	Quantitative evaluation of creep strain distribution in an extruded Mg ₉₇ Zn ₁ Y ₂ alloy of multimodal microstructure. <i>Acta Materialia</i> , 2015 , 82, 198-211	8.4	25

151	Microstructures and Tensile Properties of Mg-Zn-Y Alloys Containing Quasicrystals. <i>Materials Science Forum</i> , 2003 , 419-422, 255-260	0.4	25
150	Transition from Linear to Nonlinear Viscoelasticity during Deformation in a Zr-based Glassy Alloy. <i>Materials Transactions, JIM</i> , 2000 , 41, 1202-1207		25
149	Forgeability and Flow Stress of Mg-Zn-Y Alloys with Long Period Stacking Ordered Structure at Elevated Temperatures. <i>Materials Transactions</i> , 2009 , 50, 841-846	1.3	24
148	Microfracture behaviour of extruded Mg ₉₇ Zn ₁ alloys containing long-period stacking ordered structure at room and elevated temperatures. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 570, 63-69	5.3	23
147	Metallurgical Bonding of Bulk Metallic Glasses. <i>Materials Transactions</i> , 2001 , 42, 717-719	1.3	23
146	Formation of an incombustible oxide film on a molten Mg-Al-Ca alloy. <i>Corrosion Science</i> , 2017 , 122, 118-128		22
145	Mechanical properties and failure characteristics of cast and extruded Mg ₉₇ Y ₂ Zn ₁ alloys with LPSO phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 652, 14-29	5.3	22
144	Deformation Behavior of Long-Period Stacking Ordered Structured Single Crystals in Mg ₈₅ Zn ₆ Y ₉ Alloy. <i>Materials Transactions</i> , 2015 , 56, 952-956	1.3	22
143	High Strength Nanocrystalline Mg-Al-Ca Alloys Produced by Rapidly Solidified Powder Metallurgy Processing. <i>Materials Science Forum</i> , 2000 , 350-351, 111-116	0.4	21
142	Effects of extrusion conditions on mechanical properties in ZrAlNiCu glassy powder compacts. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1996 , 219, 39-43	5.3	21
141	Corrosion resistance of amorphous and crystalline Pd ₄₀ Ni ₄₀ P ₂₀ alloys in aqueous solutions. <i>Materials Letters</i> , 2006 , 60, 2416-2418	3.3	20
140	Structure and Mechanical Properties of Rapidly Solidified Mg ₉₇ Zn ₁ RE ₂ Alloys. <i>Materials Science Forum</i> , 2003 , 419-422, 751-756	0.4	20
139	In situ measurements on stability of long-period stacking-ordered structures in Mg ₈₅ Y ₉ Zn ₆ alloys during heating examined by multicolor synchrotron radiation small-angle scattering. <i>Scripta Materialia</i> , 2014 , 75, 66-69	5.6	19
138	Effect of process atmosphere on the mechanical properties of rapidly solidified powder metallurgy Al ₇₀ Be ₁₀ Cr ₂₀ alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 794-798	5.3	19
137	Electron Microscopy Study of Microstructure Modifications in RS P/M Mg ₉₇ Zn ₁ Y ₂ Alloy. <i>Materials Science Forum</i> , 2003 , 419-422, 715-720	0.4	19
136	High-Strength AZ91 Alloy Fabricated by Rapidly Solidified Flaky Powder Metallurgy and Hot Extrusion. <i>Metals and Materials International</i> , 2019 , 25, 372-380	2.4	19
135	Optimization of mechanical properties of dilute Mg-Zn-Y alloys prepared by rapid solidification. <i>Materials and Design</i> , 2019 , 181, 107984	8.1	17
134	Application of mixture rule to finite element analysis for forging of cast Mg ₉₇ Zn ₁ alloys with long period stacking ordered structure. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012 , 548, 75-82	5.3	17

133	Nanocrystalline LPSO Mg-Zn-Y-Al Alloys with High Mechanical Strength and Corrosion Resistance. <i>Materials Science Forum</i> , 2010 , 638-642, 1476-1481	0.4	17
132	Surprising increase in yield stress of Mg single crystal using long-period stacking ordered nanoplates. <i>Acta Materialia</i> , 2021 , 209, 116797	8.4	17
131	Insignificant elastic-modulus mismatch and stress partitioning in two-phase Mg ₉₆ Zn ₂ Y ₂ alloys comprised of β Mg and long-period stacking ordered phases. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 710, 227-239	5.3	16
130	Strain-hardening behavior and microstructure development in polycrystalline as-cast Mg-Zn-Y alloys with LPSO phase subjected to cyclic loading. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 672, 49-58	5.3	16
129	Corrosion Behavior of Rapidly Solidified Mg-Zn-Y Alloy Ribbons. <i>Materials Science Forum</i> , 2003 , 419-422, 937-942	0.4	16
128	Development of Welding Technologies in Bulk Metallic Glasses. <i>Materials Science Forum</i> , 2002 , 386-388, 553-558	0.4	16
127	Multimodal Microstructure Evolution in Wrought Mg-Zn-Y Alloys with High Strength and Increased Ductility. <i>Materials Science Forum</i> , 2010 , 654-656, 615-618	0.4	15
126	Joining of Zr ₄₁ Be ₂₃ Ti ₁₄ Cu ₁₂ Ni ₁₀ Bulk Metallic Glasses by a Friction Welding Method. <i>Materials Transactions</i> , 2003 , 44, 1809-1816	1.3	15
125	Effect of Vacuum Degassing on Surface Characteristics of Rapidly Solidified Al-Based Alloy Powders. <i>Materials Transactions</i> , 2004 , 45, 1335-1338	1.3	15
124	A long-period superlattice phase in Mg ₉₇ Zn ₁ Y ₂ alloys synthesized under high-pressure. <i>Scripta Materialia</i> , 2016 , 121, 45-49	5.6	14
123	Microstructure evolution and mechanical properties of extruded Mg ₉₆ Zn ₂ Y ₂ alloy joints with ultrasonic spot welding. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2016 , 651, 925-934	5.3	14
122	Forging induces changes in the formability and microstructure of extruded Mg ₉₆ Zn ₂ Y ₂ alloy with a long-period stacking order phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013 , 563, 21-27	5.3	14
121	Development of High Strength and Highly Corrosion-Resistant Bulk Nanocrystalline Mg-Zn-Y Alloys with Long Period Stacking Ordered Phase. <i>ECS Transactions</i> , 2009 , 16, 81-88	1	14
120	Changes in the Surface Characteristics of Gas-Atomized Pure Aluminum Powder during Vacuum Degassing. <i>Materials Transactions</i> , 2006 , 47, 1902-1905	1.3	14
119	Crystallization of Zr ₅₅ Al ₁₀ Ni ₅ Cu ₃₀ Bulk Metallic Glass Composites Containing ZrC Particles. <i>Materials Transactions</i> , 2002 , 43, 1-4	1.3	14
118	Oxidation behavior and incombustibility of molten Mg-Zn-Y alloys with Ca and Be addition. <i>Corrosion Science</i> , 2019 , 149, 133-143	6.8	14
117	Tensile property and cold formability of a Mg ₉₆ Zn ₂ Y ₂ alloy sheet with a long-period ordered phase. <i>Materials Letters</i> , 2010 , 64, 2277-2280	3.3	13
116	Rapidly solidified powder metallurgy of Al-Ti-Fe-X alloys. <i>Scripta Materialia</i> , 1999 , 40, 1131-1137	5.6	13

115	Elevated-Temperature Al‐Ti‐Fe‐Cr Alloys with High Ductility at High-Strain-Rates. <i>Materials Transactions, JIM</i> , 1999 , 40, 392-395		13
114	High strain-rate superplasticity of AZ91 alloy achieved by rapidly solidified flaky powder metallurgy. <i>Materials Letters</i> , 2019 , 234, 245-248	3.3	12
113	Transition to long period stacking ordered structures in Mg 85 Gd 9 Zn 6 alloys from amorphous ribbons examined by synchrotron radiation scattering: Comparison with Mg 85 Y 9 Zn 6 alloys. <i>Scripta Materialia</i> , 2017 , 139, 26-29	5.6	11
112	Strain-rate dependence of deformation behavior of LPSO-phases. <i>Materials Letters</i> , 2018 , 214, 119-122	3.3	11
111	Structure Analysis of a Long Period Stacking Ordered Phase in Mg-Al-Gd Alloys. <i>Materials Research Society Symposia Proceedings</i> , 2011 , 1295, 267		10
110	Explosive Welding of ZrTiCuNiBe Bulk Metallic Glass to Crystalline Cu Plate. <i>Materials Science Forum</i> , 2011 , 673, 119-124	0.4	10
109	Vacuum degassing behavior of Zr-, Ni- and Cu-based metallic glass powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 907-910	5.3	10
108	Hot compression deformation behavior of MgZn alloys containing LPSO phase. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 792, 139777	5.3	10
107	Improvement of Corrosion Resistance of Extruded Mg-Zn-Y Mg/LPSO Two-Phase Alloys by Fourth Element Addition. <i>Materials Science Forum</i> , 2010 , 654-656, 767-770	0.4	9
106	Temperature Dependence of Compressive Deformation Behavior of Mg89Zn4Y7 Extruded LPSO-Phase Alloys. <i>Materials Science Forum</i> , 2010 , 654-656, 607-610	0.4	9
105	Microstructures and Mechanical Properties of Mg96Zn2Y2 Alloy Prepared by Extrusion of Machined Chips. <i>Materials Transactions</i> , 2009 , 50, 349-353	1.3	9
104	Vacuum degassing behavior of rapidly solidified AlMnZr alloy powders. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2007 , 449-451, 1013-1017	5.3	9
103	Development of microstructures in rapidly-quenched Mg85Y9Zn6 alloy ribbons during heating at a constant speed examined by simultaneous small- and wide angle scattering measurements. <i>Acta Materialia</i> , 2016 , 118, 95-99	8.4	9
102	Role of the Microstructure on the Deformation Behavior in Mg12ZnY with a Long-Period Stacking Ordered Structure. <i>Materials Research Society Symposia Proceedings</i> , 2008 , 1128, 55301		8
101	High-strain-rate superplasticity and tensile behavior of fine-grained Mg97Zn1Y2 alloys fabricated by chip/ribbon-consolidation. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2019 , 764, 138179	5.3	7
100	Mechanical Properties and Microstructure of Mg-Zn-Y Alloys Processed by ECAE. <i>Materials Science Forum</i> , 2006 , 503-504, 769-774	0.4	7
99	Type and density of dislocations in a plastically deformed long-period stacking ordered magnesium alloy. <i>Journal of Alloys and Compounds</i> , 2019 , 771, 629-635	5.7	7
98	Ultrafine spherulite Mg alloy with high yield strength. <i>Journal of Alloys and Compounds</i> , 2019 , 784, 1284-1289	5.7	7

97	Short-range order clusters in the long-period stacking/order phases with an intrinsic-I type stacking fault in Mg-Co-Y alloys. <i>Scripta Materialia</i> , 2022 , 207, 114282	5.6	7
96	Synchronized collapse and formation of long-period stacking and chemical orders in Mg ₈₅ Zn ₆ Y ₉ . <i>Physica B: Condensed Matter</i> , 2015 , 461, 147-153	2.8	6
95	Microstructural Evolution of Long-Period Stacking Ordered Structures in Mg ₉₇ Y ₂ Zn ₁ Alloys Examined by In-Situ Small-Angle X-ray Scattering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 4780-4785	2.3	6
94	Influence of Cooling Rate on Corrosion Resistance of Rapidly Solidified Mg-Zn-Y Alloys with Long Period Stacking Ordered Phase. <i>ECS Transactions</i> , 2009 , 16, 65-72	1	6
93	Synthesis of Cu-Based Bulk Metallic Glass Matrix Composites by Warm Processing of Gas Atomized Powders. <i>Materials Science Forum</i> , 2005 , 475-479, 3419-3422	0.4	6
92	Quantitative kink boundaries strengthening effect of Mg-Y-Zn alloy containing LPSO phase. <i>Materials Letters</i> , 2021 , 292, 129625	3.3	6
91	Quantitative estimation of kink-band strengthening in an Mg ₈₅ Zn ₆ Y ₉ single crystal with LPSO nanoplates. <i>Materials Research Letters</i> , 2021 , 9, 467-474	7.4	6
90	Phonon excitations in a single crystal Mg ₈₅ Zn ₆ Y ₉ with a synchronized long-period stacking ordered phase. <i>Acta Materialia</i> , 2018 , 146, 273-279	8.4	5
89	Microstructure Characteristic of Extruded Mg ₉₆ Zn ₂ Y ₂ Alloy Joints Joined by Ultrasonic Welding. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2015 , 79, 176-182	0.4	5
88	Fatigue Fracture Behavior of Mg-Zn-Y Alloy. <i>Key Engineering Materials</i> , 2006 , 326-328, 975-978	0.4	5
87	Microstructure observations of rapidly solidified Mg ₉₇ Zn ₁ RE ₂ alloys. <i>Keikinzoiku/Journal of Japan Institute of Light Metals</i> , 2006 , 56, 543-549	0.3	5
86	?????????????????. <i>Keikinzoiku/Journal of Japan Institute of Light Metals</i> , 2004 , 54, 503-504	0.3	5
85	Microstructure and mechanical properties of low-temperature wrought-processed Mg ₈₅ Zn alloy containing LPSO phase. <i>Materialia</i> , 2020 , 12, 100786	3.2	5
84	Key Factor for the Transformation from hcp to 18R-Type Long-Period Stacking Ordered Structure in Mg Alloys. <i>Materials Transactions</i> , 2019 , 60, 237-245	1.3	5
83	D03+hcp mixed phase with nanostructures in Mg ₈₅ Zn ₆ Y ₉ alloy obtained by high-pressure and high-temperature treatments. <i>Materials Letters</i> , 2015 , 155, 11-14	3.3	4
82	Enhanced non-linearity during unloading by LPSO phase in as-cast Mg-Zn-Y alloys and slip-dominated non-linear unloading mechanism. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2020 , 790, 139679	5.3	4
81	Microscopic Elastic Properties of Polycrystalline Mg ₈₅ Zn ₆ Y ₉ Alloy with Long-Period Stacking Ordered 18R Phase Investigated by Inelastic X-ray Scattering. <i>Materials Transactions</i> , 2015 , 56, 914-916	1.3	4
80	Phase Relations among D03, α -Mg, and Long-Period Stacking Orders in Mg ₈₅ Zn ₆ Y ₉ Alloy under 3 GPa. <i>Materials Transactions</i> , 2015 , 56, 910-913	1.3	4

79	Stability of Long-Period Stacking Ordered Structures at Elevated Temperatures Examined by Multicolor Synchrotron Radiation X-ray Scattering/Diffraction Measurements. <i>Materials Transactions</i> , 2015 , 56, 906-909	1.3	4
78	Development of Microstructures of Long-Period Stacking Ordered Structures in Mg ₈₅ Y ₉ Zn ₆ Alloys Annealed at 673 K (400 °C) Examined by Small-Angle X-Ray Scattering. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2014 , 45, 147-151	2.3	4
77	Investigation of strengthening mechanism in extrusion of Mg ₉₆ Zn ₂ Y ₂ alloy ingot and chips. <i>Keikinzoku/Journal of Japan Institute of Light Metals</i> , 2007 , 57, 571-577	0.3	4
76	Fatigue Properties of Mg-Zn-Y Alloys with Long Period Orderd Structure. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2007 , 71, 699-703	0.4	4
75	Joining of Zr ₄₁ Be ₂₃ Ti ₁₄ Cu ₁₂ Ni ₁₀ Bulk Metallic Glasses by a Friction Welding Method. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , 2002 , 66, 1055-1062	0.4	4
74	Intrinsic kink bands strengthening induced by several wrought-processes in Mg-Y-Zn alloys containing LPSO phase. <i>Materials Characterization</i> , 2021 , 179, 111348	3.9	4
73	Classification of high-temperature oxidation behavior of Mg-1 at% X binary alloys and application of proposed taxonomy to nonflammable multicomponent Mg alloys. <i>Corrosion Science</i> , 2020 , 174, 108858	6.8	3
72	Ejecta From LPSO-Type Magnesium Alloy Targets in Hypervelocity Impact Experiments. <i>Procedia Engineering</i> , 2017 , 204, 270-275		3
71	Material Characteristics and Future Perspective on LPSO-type Magnesium Alloys. <i>Materia Japan</i> , 2015 , 54, 44-49	0.1	3
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