Kenji Matsuda

List of Publications by Citations

259 papers	1,935 citations	22 h-index	35 g-index
262 ext. papers	2,190 ext. citations	1.6 avg, IF	4.67 L-index

#	Paper	IF	Citations
259	Metastable phases in an Al-Mg-Si alloy containing copper. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2001**, 32, 1293-1299	2.3	109
258	Crystal structure of the ?? phase in an Al□0mass%Mg2Si□.4mass%Si alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 262, 232-237	5.3	85
257	Cu-segregation at the Q?/□Al interface in Al□MgSi□Cu alloy. *Scripta Materialia*, **2002**, 47, 833-837	5.6	54
256	Comparison of precipitates between excess Si-type and balanced-type Al-Mg-Si alloys during continuous heating. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2005**, 36, 2007-2012	2.3	54
255	Crystal system of rod-shaped precipitates in an Al-1.0mass%Mg2Si-0.4mass%Si alloy. *Scripta Metallurgica Et Materialia*, **1995**, 32, 1175-1180		52
254	Age-hardening of an Al□□Cu□Mg alloy (2091) processed by high-pressure torsion. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2012**, 546, 82-89	5.3	42
253	Effects of Cu, Ag and Au addition on total elongation and fracture morphology in Al-Mg-Si alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2003**, 53, 528-533	0.3	42
252	Corrosion behavior of reheated CGHAZ of X80 pipeline steel in H2S-containing environments. *Materials and Design*, **2016**, 99, 44-56	8.1	39
251	Atomic scale HAADF-STEM study of □ and □1 phases in peak-aged Al□nMg alloys. *Journal of Materials Science*, **2018**, 53, 4598-4611	4.3	39
250	Crystal Structure of Rod-shaped Precipitates in Al-1.0 mass%Mg2Si Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1993**, 57, 1107-1113	0.4	38
249	Characterization of the effect of hydrogen sulfide on the corrosion of X80 pipeline steel in saline solution. *Corrosion Science*, **2016**, 102, 455-468	6.8	37
248	Methods for Designing Concurrently Strengthened Severely Deformed Age-Hardenable Aluminum Alloys by Ultrafine-Grained and Precipitation Hardenings. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2013**, 44, 3921-3933	2.3	37
247	Recent studies on aging phenomena of 6000 series aluminum alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2000**, 50, 23-36	0.3	35
246	Atomic Structures of Precipitates in Al□MgSi Alloys with Small Additions of Other Elements. *Advanced Engineering Materials*, **2018**, 20, 1800125	3.5	35
245	Chemical and spatial promotional effects of bimodal pore catalysts for methane dry reforming. *Chemical Engineering Journal*, **2011**, 170, 258-263	14.7	30
244	Strengthening of A2024 alloy by high-pressure torsion and subsequent aging. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2017**, 704, 112-118	5.3	27
243	HRTEM observation of metastable phase in Al-Mg2Si alloys.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1997**, 47, 493-499	0.3	27

242	Micro-structure and micro-textural studies of friction stir welded AA6061-T6 subjected to different rotation speeds. *Materials and Design*, **2016**, 90, 13-21	8.1	25
241	Concurrent strengthening of ultrafine-grained age-hardenable Al-Mg alloy by means of high-pressure torsion and spinodal decomposition. *Acta Materialia*, **2017**, 131, 57-64	8.4	25
240	Effects of Cu and Transition Metals on the Precipitation Behaviors of Metastable Phases at 523 K in Al-Mg-Si Alloys. *Materials Transactions*, **2002**, 43, 2789-2795	1.3	24
239	Effects of Tm substitution on superconductivity and magnetism in the antiferromagnetic borocarbide superconductor Dy1−xTmxNi2B2C. *Physical Review B*, **2010**, 81,	3.3	23
238	A metastable phase having the orthorhombic crystal lattice in an Al-1.0mass% Mg2Si-0.4mass% Si alloy. *Scripta Materialia*, **1996**, 34, 1797-1802	5.6	23
237	Aging Behavior of Al 6061 Alloy Processed by High-Pressure Torsion and Subsequent Aging. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2015**, 46, 2664-2673	2.3	22
236	Miscible viscous fingering involving viscosity changes of the displacing fluid by chemical reactions. *Physics of Fluids*, **2010**, 22, 024101	4.4	22
235	Microstructure evolution and corrosion resistance of Ni–Cu–P amorphous coating during crystallization process. *Applied Surface Science*, **2019**, 484, 835-844	6.7	21
234	Special grain boundaries in the nugget zone of friction stir welded AA6061-T6 under various welding parameters. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2016**, 671, 7-16	5.3	20
233	Precipitation Sequence in the Mg–Gd–Y System Investigated by HRTEM and HAADF-STEM. *Materials Transactions*, **2014**, 55, 1051-1057	1.3	20
232	Effect of Deformation on the Precipitates in Al-Mg2Si Alloys Containing Silicon in Excess.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1999**, 48, 10-15	0.1	20
231	Cu Segregation around Metastable Phase in Al-Mg-Si Alloy with Cu. *Materials Transactions*, **2007**, 48, 967-974	1.3	19
230	Classification of Metastable Phases in Al-Mg2Si Alloys by HRTEM. *Materials Science Forum*, **1996**, 217-222, 707-712	0.4	19
229	Morphologies of Some Graphites in Ductile Cast Irons. *Materials Transactions*, **2014**, 55, 1500-1505	1.3	17
228	Extra Electron Diffraction Spots Caused by Fine Precipitates Formed at the Early Stage of Aging in Al-Mg-X (X=Si, Ge, Zn)-Cu Alloys. *Materials Transactions*, **2017**, 58, 167-175	1.3	16
227	Effect of copper addition on localized deformation near grain boundaries in an Al-1.0mass%Mg2Si alloy.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1998**, 48, 207-211	0.3	16
226	Effect of Cu addition on the microstructure, thermal stability, and corrosion resistance of Ni–P amorphous coating. *Materials Letters*, **2017**, 191, 214-217	3.3	15
225	Characterisation of structural similarities of precipitates in Mg–Zn and Al–Zn–Mg alloys systems. *Philosophical Magazine*, **2019**, 99, 2619-2635	1.6	15

224	Muon kinetics in heat treated Al (Mg)(Si) alloys. *Acta Materialia*, **2013**, 61, 6082-6092	8.4	15
223	Clustering and Vacancy Behavior in High- and Low-Solute Al-Mg-Si Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2014**, 45, 5777-5781	2.3	15
222	Probing defects in Al-Mg-Si alloys using muon spin relaxation. *Physical Review B*, **2012**, 86,	3.3	15
221	Cube-phase in excess Mg-type Al-Mg-Si alloy studied by EFTEM. *Journal of Materials Science*, **2006**, 41, 2605-2610	4.3	15
220	Specific precipitates in Al-Mg2Si alloys aged after deformation.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1998**, 48, 471-475	0.3	15
219	High resolution energy-filtering transmission electron microscopy for equilibrium β phase in an Al-Mg-Si alloy. *Scripta Materialia*, **1999**, 41, 379-383	5.6	15
218	High Resolution Transmission Electron Microscopy of Precipitate Microstructures of Two-Step Aged Al-1.6%Mg2Si Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1998**, 62, 133-139	0.4	15
217	Effect of excess Si on age-hardening in deformed Al-Mg2Si alloys.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1995**, 45, 95-100	0.3	14
216	Origin of the influence of Cu or Ag micro-additions on the age hardening behavior of ultrafine-grained Al-Mg-Si alloys. *Journal of Alloys and Compounds*, **2017**, 710, 199-204	5.7	13
215	Effects of Mechanical Stirring and Vibration on the Microstructure of Hypereutectic Al-Si-Cu-Mg Alloy Billets. *Materials Transactions*, **2007**, 48, 960-966	1.3	13
214	Grain boundary precipitates in an Al-Mg-Si alloy with excess Si.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1992**, 42, 578-584	0.3	12
213	Aging behavior of Al-Li-(Cu, Mg) alloys processed by different deformation methods. *Materials and Design*, **2020**, 196, 109139	8.1	12
212	Experimental and Computational Studies of Competitive Precipitation Behavior Observed in an Al-Mg-Si Alloy with High Dislocation Density and Ultrafine-Grained Microstructures. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2011**, 75, 283-290	0.4	11
211	Microstructure and Properties of TiAlN/a-C Nanocomposite Coatings Prepared by Reactive Sputtering. *Materials Transactions*, **2010**, 51, 282-287	1.3	11
210	Recovery of Hydrogen Isotopes by Pd-coated ZrNi from Inert Gas Atmosphere Containing Impurities. *Journal of Nuclear Science and Technology*, **2001**, 38, 952-958	1	11
209	Observation of Al-1%Mg2Si alloy based alumina particles dispersed composite materials by analytical transmission electron microscope.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1990**, 40, 501-506	0.3	11
208	Hydrogen-accelerated spontaneous microcracking in high-strength aluminium alloys. *Scientific Reports*, **2020**, 10, 1998	4.9	11
207	Effect of Copper Addition on Precipitation Behavior near Grain Boundary in Al-Zn-Mg Alloy. *Materials Transactions*, **2019**, 60, 1688-1696	1.3	10

206	An unreported precipitate orientation relationship in Al-Zn-Mg based alloys. *Materials Characterization*, **2019**, 158, 109958	3.9	10
205	Variation of age-hardening behavior of TM-addition Al□Mg□Si alloys. *Journal of Alloys and Compounds*, **2011**, 509, 9876-9883	5.7	10
204	Effect of Deposition Conditions on the Structure and Properties of CrAlN Films Prepared by Pulsed DC Reactive Sputtering in FTS Mode at High Al Content. *Materials Transactions*, **2008**, 49, 2082-2090	1.3	10
203	The crystallographic orientation relationship between Al2O3 and MgAl2O4 in the composite material Al2O3/Al□Mg□Si alloy. *Journal of Materials Science*, **2007**, 42, 5680-5685	4.3	10
202	HRTEM Observation of Age Hardening Precipitates in Mg-8.3%Gd-3.7%Y-0.76%Zr Alloy. *Materials Transactions*, **2007**, 48, 954-959	1.3	10
201	Age-precipitation in Al2O3 particle/Al-Cu alloy and SiC particle/Al-Cu-Mg alloy composite materials.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1996**, 46, 9-14	0.3	10
200	Metastable phase evolution and nanoindentation behavior of amorphous Ni□Cu□P coating during heat treatment process. *Journal of Alloys and Compounds*, **2019**, 805, 597-608	5.7	9
199	FIB Induced Damage Examined with the Low Energy SEM. *Materials Transactions*, **2011**, 52, 292-296	1.3	9
198	HRTEM Study of Precipitates in Al-Mg-Si and Al-Mg-Ge Alloys. *Materials Science Forum*, **2006**, 519-521, 221-226	0.4	9
197	Hexagonal tabular □-phase in Al□Mg□Si□Cu alloy. *Scripta Materialia*, **2002**, 47, 467-471	5.6	9
196	Investigation and characterization of the nanoscale precipitation sequence and their kinetics in Al□1.0% Mg2Si□0.4□wt% Si□0.5Cu (wt%) alloy. *Materials Chemistry and Physics*, **2014**, 147, 461-468	4.4	8
195	Time Dependent Magnetization of an Al-1.6%Mg2Si Alloy. *Materials Transactions*, **2015**, 56, 1307-1309	1.3	8
194	Crystallographic Orientation Relationship between Discontinuous Precipitates and Matrix in Commercial AZ91 Mg Alloy. *Materials Transactions*, **2011**, 52, 340-344	1.3	8
193	Effect of TM-Addition on the Aging Behaviour of Al-Mg-Si Alloys. *Materials Transactions*, **2011**, 52, 229-234	1.3	8
192	Deposition of novel nanocomposite films by a newly developed differential pumping co-sputtering system. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2012**, 30, 011502	2.9	8
191	DSC Measurement and HRTEM Observation of Precipitates in an Al-1.6 mass%Mg2Si Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2001**, 65, 404-408	0.4	8
190	Observation of age precipitates in Al2O3 particle dispersed Al-Mg2Si alloy composite materials.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1999**, 49, 244-248	0.3	8
189	Fold Formation near Grain Boundaries in an Age-Hardened Aluminum Alloy Deformed at Room Temperature. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1994**, 58, 260-266	0.4	8

188	Effect of Copper Addition on the Cluster Formation Behavior of Al-Mg-Si, Al-Zn-Mg, and Al-Mg-Ge in the Natural Aging. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2018**, 49, 5871-5877	2.3	7
187	The Structure and Kinetics of the Nanoscale Precipitation Processes in Al-1.0 wt pct Mg2Si-0.4 wt pct Mg-0.5 wt pct Ag Alloy. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2013**, 44, 5234-5240	2.3	7
186	Self-hardening effect of CrAlN/BN nanocomposite films deposited by direct current and radio frequency reactive cosputtering. *Thin Solid Films*, **2012**, 523, 6-10	2.2	7
185	Crystal Structure of the □Phase in Al-Mg-Si-Ag Alloy. *Materials Science Forum*, **2007**, 539-543, 837-841	0.4	7
184	Cathode Lens Mode of the SEM in Materials Science Applications. *Materials Transactions*, **2007**, 48, 944-948	0.9	7
183	Effect of Cu addition on tensile deformation and fracture behavior of Al-Mg-Si alloys.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2003**, 53, 2-7	0.3	7
182	Effects of Cu and (Cr + Fe) additions on age-hardening of Al–Mg–Si alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2002**, 52, 398-402	0.3	7
181	Morphology of a Planer Precipitate and Its Orientation Relationship to the Matrix in an Al-1.0 mass%Mg2Si-0.4 mass%Si Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1994**, 58, 252-259	0.4	7
180	Early Stage Clustering Behavior in Al-Mg-Si Alloys Observed via Time Dependent Magnetization. *Materials Transactions*, **2016**, 57, 627-630	1.3	7
179	Deformation of Rough Surfaces in Point EHL Contacts. *Tribology Letters*, **2019**, 67, 1	2.8	6
178	Effect of Amount of Gd and Y Contents on Precipitation in Mg–Gd–Y Alloys Aged at 473 K. *Materials Transactions*, **2013**, 54, 225-230	1.3	6
177	Effect of Die Temperature on Tensile Property of Rheocast Phosphor Bronze. *Materials Science Forum*, **2012**, 706-709, 931-936	0.4	6
176	Simultaneous strengthning due to grain refinement and fine precipitation. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2012**, 62, 398-405	0.3	6
175	One-Step Preparation of Bimodal Fe□Mn□/SiO2 Catalyst and its Catalytic Performance of Slurry Phase Fischer□Tropsch Synthesis. *Catalysis Letters*, **2010**, 139, 7-16	2.8	6
174	Aging process of TiC particle dispersed Al-Cu and Al-Cu-Mg composite materials.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1997**, 47, 28-33	0.3	6
173	Effect of particle volume fraction on intermediate phase precipitates in SiC particle dispersed Al-Mg-Si alloy composites.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1997**, 47, 421-426	0.3	6
172	Enhancement of SEM to scanning LEEM. *Surface Science*, **2007**, 601, 4768-4773	1.8	6
171	The Effect of Ag-Addition on Crystal Structure of □Phase in Al-Mg-Si Alloy. *Materials Science Forum* , **2006**, 519-521, 511-514	0.4	6

170	Effect of Granule Size in Semi-Solid Slurry on Rheo-Extrusion of A7075 Aluminum Alloy. *Materials Science Forum*, **2007**, 561-565, 291-294	0.4	6
169	Fabrication of Photocatalytic TiO2 Films on Pure Aluminum Plates. *Materials Transactions*, **2002**, 43, 939-945	1.3	6
168	Precipitation Sequence in Al-Mg-Si Alloys with Excess Magnesium. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1998**, 62, 718-726	0.4	6
167	Hydrogen Trapping in Mg2Si and Al7FeCu2 Intermetallic Compounds in Aluminum Alloy: First-Principles Calculations. *Materials Transactions*, **2020**, 61, 1907-1911	1.3	6
166	Comparison of Suppressing Effect for Soldering Reactions by Surface Modifications Using Nitriding and Amorphous Carbon Film in Zinc Alloy Die Casting. *Materials Transactions*, **2017**, 58, 1695-1701	1.3	5
165	Aging behavior and microstructure of aged excess Mg type Al^|^#8211;Mg^|^#8211;Si alloys after HPT processing. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2013**, 63, 406-412	0.3	5
164	Microstructure and Mechanical Properties of Cr-Al-B-N Coatings Prepared by Reactive D.C. and R.F. Co-Sputtering. *Materials Science Forum*, **2010**, 638-642, 781-786	0.4	5
163	Experimental and Computational Studies of Competitive Precipitation Behavior Observed in Microstructures with High Dislocation Density and Ultra-Fine Grains. *Materials Science Forum*, **2012**, 706-709, 1787-1792	0.4	5
162	HRTEM Observation of Precipitates at Early Stage of Aging in Mg-Gd-Zr Alloy. *Materials Science Forum*, **2007**, 561-565, 303-306	0.4	5
161	Effect of mechanical stirring on semi-continuous casting of 7075 aluminum alloy.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2000**, 50, 203-209	0.3	5
160	High Resolution Transmission Electron Microscope Observation of the Metastable Phase in an Aged Commercial AA6063. *Materials Science Forum*, **1996**, 217-222, 809-814	0.4	5
159	Precipitation Behavior of a Two-Step Aged Al-Mg-Si Alloy with Excess Silicon. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1998**, 62, 827-833	0.4	5
158	Changes of Microstructure in Al-Mg2Si Alloys Containing Several Mg2Si Contents during Heating. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2001**, 65, 409-413	0.4	5
157	Effect of Thermo Mechanical Treatment on Al-Mg2Si Alloy Containing Magnesium in Excess.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1999**, 48, 16-21	0.1	5
156	STM Observation of Grain Boundaries in Deformed Al-Mg2Si Base Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1994**, 58, 1386-1392	0.4	5
155	Effects of cooling rates on precipitates in homogenized Al□u□i alloy. *Materials Letters*, **2021**, 293, 129695	3.3	5
154	Microstructures and mechanical properties of a cast Al□u□i alloy during heat treatment procedure. *Rare Metals*, **2021**, 40, 1897-1906	5.5	5
153	Single-phase anatase structure and dominant metallic Ge in Ge/TiO2 multi-layer films using a differential pumping co-sputtering system. *Thin Solid Films*, **2014**, 562, 104-108	2.2	4

152	Aging Behavior of Ultrafine-Grained Al–Mg–Si–X (X = Cu, Ag, Pt, Pd) Alloys Produced by High-Pressure Torsion. *Materials Transactions*, **2014**, 55, 640-645	1.3	4
151	TEM observation for Al^|^ndash;Zn^|^ndash;Mg (^|^ndash;Cu, ^|^ndash;Ag) alloys peak-aged at 423 K. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2014**, 64, 413-417	0.3	4
150	The Crystal Structure of the Phase Including Ag in Al-Mg-Si-Ag Alloy. *Advanced Materials Research* , **2011**, 409, 67-70	0.5	4
149	Design and determination of new bimodal pore catalyst structure with hetero atom combination by inside-pore organization of nano-particles from sol. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 3866-71	1.3	4
148	HRTEM Observation of Metastable Phases in a Mg–15%Gd–6.4%Sc Alloy. *Materials Transactions*, **2010**, 51, 301-304	1.3	4
147	Nanostructured CrAlN Films Prepared at Different Pulse Widths by Pulsed DC Reactive Sputtering in Facing Target Type System. *Materials Transactions*, **2008**, 49, 2737-2742	1.3	4
146	Rheo-Extrusion of A7075 Aluminium Alloy Utilizing Semi-Solid Slurry Manufactured by Simple Method. *Materials Science Forum*, **2006**, 519-521, 1847-1852	0.4	4
145	HRTEM Observation of Rod-Shape Precipitates in Al-Mg-Si-Ag Alloy Aged at 523 K. *Materials Science Forum*, **2007**, 561-565, 243-246	0.4	4
144	Age-Hardening Behaviour and HRTEM Observation of Precipitates in Excess Mg Type Al-Mg-Si-Ag Alloy. *Materials Science Forum*, **2006**, 519-521, 507-510	0.4	4
143	HRTEM observation of precipitates in an Al-1.1mass%Mg2Ge alloy. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2006**, 56, 680-684	0.3	4
142	HRTEM Observation of Age Hardening Precipitates in Mg-12.0%Gd-1.9%Y-0.7%Zr. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2006**, 70, 828-834	0.4	4
141	Microstructure and Nano-Segregation of Cu in Al-Mg-Si-Cu Alloys. *Materia Japan*, **2003**, 42, 860-860	0.1	4
140	Effect of retrogression re-aging treatment on corrosion behavior of 7055 Al-Zn-Mg alloy. *Materials Research Express*, **2020**, 7, 106523	1.7	4
139	Three Strategies to Achieve Concurrent Strengthening by Ultrafine-Grained and Precipitation Hardenings for Severely Deformed Age-Hardnable Aluminum Alloys. *Advanced Materials Research*, **2016**, 1135, 161-166	0.5	3
138	Influence of two-stage ageing process and Cu additions on conductive Al alloys based on AA 6063. *Materials Research Express*, **2019**, 6, 106509	1.7	3
137	Interfacial Structure of Erbium Oxide Layer on SUS316 Substrate Formed by MOCVD Method. *Materials Transactions*, **2014**, 55, 1781-1785	1.3	3
136	Precipitation Structure of Al–10 mass%Si–0.3 mass%Mg Alloy Produced by High Pressure Die Casting and Permanent Mold Casting with T5 Treatment. *Materials Transactions*, **2015**, 56, 1112-1119	1.3	3
135	Structure of composites consolidated from ball milled 7475 aluminum alloy and ZrO2 powders. *International Journal of Materials Research*, **2013**, 104, 123-128	0.5	3

134	Superconducting Properties of MgB2 Particle Impregnated with Mg-Based Alloys. *Materials Transactions*, **2011**, 52, 272-275	1.3	3
133	Aging Behavior of Al-Mg-Si Alloys Processed by High-Pressure Torsion. *Materials Science Forum*, **2010**, 667-669, 259-264	0.4	3
132	TEM Observation of Metastable Phases in Aged Al-Mg-Ge Alloys. *Materials Science Forum*, **2010**, 654-656, 930-933	0.4	3
131	Effect of Mn or Fe Addition on Age-Hardening Behaviour of Al–Mg2Si Alloys. *Materials Transactions*, **2012**, 53, 1521-1528	1.3	3
130	Age-precipitation behavior in SiC particle dispersed Al-1mass%Mg2Si alloy composite materials.. *Keikinzoku/Journal of Japan Institute of Light Metals*, **1997**, 47, 527-532	0.3	3
129	Changes in the Mechanical Properties and Microstructure of AZ91 Cast Mg Alloy Caused by Heat Treatment. *Materials Science Forum*, **2007**, 561-565, 311-314	0.4	3
128	Superconductivity and Thermal Property of MgB2/Aluminum Matrix Composite Materials Fabricated by 3-Dimensional Penetration Casting Method. *Materials Transactions*, **2006**, 47, 1214-1220	1.3	3
127	Coarsening kinetics of Cu particles in an Fe-1.5% Cu alloy. *International Journal of Materials Research*, **2022**, 94, 1241-1246	0.5	3
126	Numerical Study on Effect of Dimples on Tribo-Characteristics in Non-Newtonian Thermal Elastohydrodynamic Lubrication Point Contacts With Different Mechanical and Thermal Properties. *Journal of Tribology*, **2020**, 142,	1.8	3
125	Numerical Study on Effect of Thermal Conductivity in Point Contacts With Longitudinal Roughness on Abnormal Pressure Distribution. *Journal of Tribology*, **2020**, 142,	1.8	3
124	Influence of Small Amounts of Be on Precipitation Behavior in a Cu-1.0 mass%Fe Alloy. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2001**, 65, 695-700	0.4	3
123	Preferential Orientation of .ALPHA. Phase With the Matrix of .BETA.' Single Phase in Cu-41.7%Zn Alloy.. *Zairyo/Journal of the Society of Materials Science, Japan*, **1992**, 41, 11-16	0.1	3
122	Abnormally enhanced diamagnetism in Al-Zn-Mg alloys. *Journal of Alloys and Compounds*, **2019**, 774, 405-409	5.7	3
121	Microstructures and the Mechanical Properties of the Al□□Cu Alloy Strengthened by the Combined Use of Accumulative Roll Bonding and Aging. *Advanced Engineering Materials*, **2020**, 22, 1900561	3.5	3
120	Effect of Thermal Cycles on Microstructure of Er2O3 Thin Film on SUS316 Substrate with Y2O3 Buffer Layer Fabricated by MOCVD Method. *Materials Transactions*, **2018**, 59, 176-181	1.3	3
119	Stress corrosion behavior of friction stir welding joint of 7N01 aluminum alloy. *Journal of Materials Research and Technology*, **2021**, 15, 1130-1144	5.5	3
118	Muon Spin Relaxation Study of Solute□Vacancy Interactions During Natural Aging of Al-Mg-Si-Cu Alloys. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2019**, 50, 3446-3451	2.3	2
117	Microstructure of Erbium Oxide Thin Film on SUS316 Substrate with Y2O3 or CeO2 Buffer Layers Formed by MOCVD Method. *Materials Transactions*, **2017**, 58, 231-235	1.3	2

116	Precipitation structure and mechanical properties on peak-aged Al□Zn□Mg alloys including different with some Zn/Mg ratios. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2017**, 67, 162-167	0.3	2
115	The Effect of Thermal History on Microstructure of Er2O3 Coating Layer Prepared by MOCVD Process. *Plasma and Fusion Research*, **2016**, 11, 2405120-2405120	0.5	2
114	Aging behavior of Al–10%Si–0.3%Mg alloy castings rolled after casting. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2014**, 64, 633-637	0.3	2
113	Effect of copper on fine precipitates at the early stage of aging in Al□Mg□X (X=Si, Ge, Zn) alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2017**, 67, 186-192	0.3	2
112	Effect of Additional Elements (Cu, Ag) on Precipitation in 6xxx (Al-Mg-Si) Alloys. *Materials Science Forum*, **2012**, 706-709, 357-360	0.4	2
111	Effect of Polygonal Rotor Process on Solidification Structure of Lead-Free Bismuth Bronze. *Materials Science Forum*, **2010**, 654-656, 1389-1392	0.4	2
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