Kenji Matsuda

List of Publications by Year in Descending Order

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	Coarsening kinetics of Cu particles in an Fe-1.5% Cu alloy. *International Journal of Materials Research*, **2022**, 94, 1241-1246	0.5	3
258	An investigation of cryogenic-aging process attemptted to alleviate mechanical anisotropy of 7055 thick plate. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2022**, 834, 142589	5.3	0
257	The Causes of Asymmetric Deformation of Surface Roughness Asperities in Elastohydrodynamic Lubrication Contacts. *Journal of Tribology*, **2022**, 144,	1.8	2
256	Influence of Iron Diffusion on the Oxidation Resistance of CrSiCN Hard Coatings. *Materials Transactions*, **2022**, 63, 422-429	1.3	
255	Microstructure observation in T5 treated Al-Si-Mg system cast alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2021**, 71, 166-170	0.3	
254	Effects of cooling rates on precipitates in homogenized Al□Cu□i alloy. *Materials Letters*, **2021**, 293, 129695	3.3	5
253	Microstructures and mechanical properties of a cast Al□Cu□i alloy during heat treatment procedure. *Rare Metals*, **2021**, 40, 1897-1906	5.5	5
252	Tomography for Bridging Nano and Macro: Semi-spontaneous Iinterfacial Debonding. *Materia Japan*, **2021**, 60, 13-18	0.1	
251	Recent Research for Age-precipitation Sequence on Al-Mg-Si Alloys. *Materia Japan*, **2021**, 60, 404-410	0.1	1
250	Effects of Zn addition on age hardening of A6063 aluminum alloy in T5 treatment. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2021**, 71, 349-352	0.3	
249	Magnetic property of Al-Mg alloys and intermetallic compounds. *Journal of Alloys and Compounds*, **2021**, 877, 160226	5.7	1
248	Influences of pre-rolling deformation on aging precipitates and mechanical properties for a novel Al□Cu□i alloy. *Journal of Materials Research and Technology*, **2021**, 15, 2379-2392	5.5	2
247	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
246	Time Dependence of Muon Spin Relaxation Rate in Aluminum and Al-1.6%Mg2Si Alloy. *Materials Science Forum*, **2020**, 985, 10-15	0.4	0
245	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
244	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
243	Effect of Cooling Rate on Precipitation during Homogenization Cooling in Balanced Al□Mg2Si Alloy. *Materials Transactions*, **2020**, 61, 2115-2120	1.3	0

242	Effect of Composition on Recrystallization Texture Formation of Aluminum Extrusions. *Materials Transactions*, **2020**, 61, 104-110	1.3	2
241	Hydrogen Trapping in Mg2Si and Al7FeCu2 Intermetallic Compounds in Aluminum Alloy: First-Principles Calculations. *Materials Transactions*, **2020**, 61, 1907-1911	1.3	6
240	Effect of retrogression re-aging treatment on corrosion behavior of 7055 Al-Zn-Mg alloy. *Materials Research Express*, **2020**, 7, 106523	1.7	4
239	Aging behavior of Al-Li-(Cu, Mg) alloys processed by different deformation methods. *Materials and Design*, **2020**, 196, 109139	8.1	12
238	The possible transition mechanism for the meta-stable phase in the 7xxx aluminium. *Materials Science and Technology*, **2020**, 36, 1621-1627	1.5	2
237	Microstructures and the Mechanical Properties of the Al□i□u Alloy Strengthened by the Combined Use of Accumulative Roll Bonding and Aging. *Advanced Engineering Materials*, **2020**, 22, 1900561	3.5	3
236	Hydrogen-accelerated spontaneous microcracking in high-strength aluminium alloys. *Scientific Reports*, **2020**, 10, 1998	4.9	11
235	Effect of Copper Addition on Precipitation Behavior near Grain Boundary in Al□n□Mg Alloy. *Materials Transactions*, **2019**, 60, 1688-1696	1.3	10
234	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
233	Optimization of Mechanical Properties in Aluminum Alloys via Hydrogen Partitioning Control. *Tetsu-To-Hagane/Journal of the Iron and Steel Institute of Japan*, **2019**, 105, 240-253	0.5	
232	Microstructure evolution and corrosion resistance of Ni□u□ amorphous coating during crystallization process. *Applied Surface Science*, **2019**, 484, 835-844	6.7	21
231	Deformation of Rough Surfaces in Point EHL Contacts. *Tribology Letters*, **2019**, 67, 1	2.8	6
230	Characterisation of structural similarities of precipitates in Mg□n and Al□n□Mg alloys systems. *Philosophical Magazine*, **2019**, 99, 2619-2635	1.6	15
229	Metastable phase evolution and nanoindentation behavior of amorphous Ni□u□ coating during heat treatment process. *Journal of Alloys and Compounds*, **2019**, 805, 597-608	5.7	9
228	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
227	An unreported precipitate orientation relationship in Al-Zn-Mg based alloys. *Materials Characterization*, **2019**, 158, 109958	3.9	10
226	Formation of Erbia-Yttria double layer fabricated by metal organic chemical vapor deposition process with changing oxygen flow rates. *Thin Solid Films*, **2019**, 689, 137455	2.2	1
225	Effect of extrusion conditions on recrystallization texture in A6063 alloy. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2019**, 69, 327-331	0.3	2

224	TEM Observation of Precipitates in Cast Al-7%Si-0.3%Mg Alloy Aged at 473 K. *Journal of Smart Processing*, **2019**, 8, 155-159	0.2	1
223	Critical concentrations of Zn and Mg for enhanced diamagnetism in Al-Zn-Mg alloys. *AIP Advances*, **2019**, 9, 125111	1.5	1
222	Abnormally enhanced diamagnetism in Al-Zn-Mg alloys. *Journal of Alloys and Compounds*, **2019**, 774, 405-409	5.7	3
221	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
220	Effect of Mn contents on Mg□%Al alloys aged at 473 K. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2018**, 68, 480-486	0.3	
219	Atomic scale HAADF-STEM study of □ and □′ phases in peak-aged Al□n□Mg alloys. *Journal of Materials Science*, **2018**, 53, 4598-4611	4.3	39
218	PM-16Influence of heat treatment on the structure of CrSiCN coatongs. *Microscopy (Oxford, England)*, **2018**, 67, i43-i43	1.3	
217	PM-12Precipitates structure analysis of Mg-Y-Sc alloy by HRTEM. *Microscopy (Oxford, England)*, **2018**, 67, i41-i41	1.3	
216	PM-22Microstructure observation of HPT processed Al-2.5mass%Li(-2.0mass%Cu) alloy. *Microscopy (Oxford, England)*, **2018**, 67, i46-i46	1.3	
215	Low-Temperature and High-Strain-Rate Superplasticity of Ultrafine-Grained A7075 Processed by High-Pressure Torsion. *Materials Transactions*, **2018**, 59, 1341-1347	1.3	2
214	PM-11TEM observation of Al-1.0mass%Mg2Ge alloys with different elements. *Microscopy (Oxford, England)*, **2018**, 67, i40-i40	1.3	
213	PM-15Effect of Cu concentration on aiging behaviour and precipitation of Al-Zn-Mg Alloy with high Zn concentration. *Microscopy (Oxford, England)*, **2018**, 67, i42-i42	1.3	
212	PM-14Aging behavior of Al-7Si-0.4Mg casting alloy in T5 process. *Microscopy (Oxford, England)*, **2018**, 67, i42-i42	1.3	
211	PM-13Aging behavior of extruded Al-2.0%Mg-1.0%Si(mol%) alloy with and without homogenization. *Microscopy (Oxford, England)*, **2018**, 67, i41-i41	1.3	
210	PM-17Effect of cold-rolling on age hardenability of Al-1.0 mol%Cu-1.0 mol%Mg alloy. *Microscopy (Oxford, England)*, **2018**, 67, i43-i43	1.3	
209	PM-21Microstructure observation of cold-rolled Al-Mg-Si alloy with Cu and Ag addition. *Microscopy (Oxford, England)*, **2018**, 67, i45-i45	1.3	
208	PM-23Microstructure observation of Ag added Al-Mg-Ge alloys aged at 523 K. *Microscopy (Oxford, England)*, **2018**, 67, i46-i46	1.3	
207	PM-10Fabrication and characterization of Mechanoluminescence particle dispersed Al based composite. *Microscopy (Oxford, England)*, **2018**, 67, i40-i40	1.3	

206	Nano Precipitation and Hardening of Die-Quenched 6061 Aluminum Alloy. *Journal of Nanoscience and Nanotechnology*, **2018**, 18, 2200-2202	1.3	
205	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
204	Atomic Structures of Precipitates in Al–Mg–Si Alloys with Small Additions of Other Elements. *Advanced Engineering Materials*, **2018**, 20, 1800125	3.5	35
203	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
202	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
201	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
200	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
199	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
198	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
197	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
196	Effect of Addition of Inoculants and Solidification Structure on Machinability in Flake Graphite Cast Iron. *Journal of Smart Processing*, **2017**, 6, 81-86	0.2	
195	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
194	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
193	Time dependent electrical resistivity and magnetization of naturally aged Al–Mg–Si alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2017**, 67, 168-172	0.3	1
192	Positron lifetime analysis in aluminum alloys by First-Principles Calculations. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2017**, 67, 156-161	0.3	
191	Solute-vacancy clustering in Al–Mg–Si alloy studied by muon spin relaxation spectroscopy. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2017**, 67, 151-155	0.3	
190	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
189	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

188	Three Strategies to Achieve Concurrent Strengthening by Ultrafine-grained and Precipitation Hardenings for Severely Deformed Age-hardenable Aluminum Alloys. *Materia Japan*, **2016**, 55, 45-52	0.1	1
187	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
186	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
185	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
184	Effect of Sn and Rare Earth Elements on Mechanical Properties and Morphology of Spheroidal Graphite in FCD450 Cast Iron. *Journal of Smart Processing*, **2016**, 5, 373-379	0.2	1
183	Early Stage Clustering Behavior in Al-Mg-Si Alloys Observed via Time Dependent Magnetization. *Materials Transactions*, **2016**, 57, 627-630	1.3	7
182	Corrosion behavior of reheated CGHAZ of X80 pipeline steel in H2S-containing environments. *Materials and Design*, **2016**, 99, 44-56	8.1	39
181	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
180	Cr(Al)N/Al2O3 Superhard Coatings Prepared by Differential Pumping Cosputtering: Structure and Mechanical Properties. *Metallography, Microstructure, and Analysis*, **2015**, 4, 459-466	1.1	1
179	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
178	Time Dependent Magnetization of an Al-1.6%Mg2Si Alloy. *Materials Transactions*, **2015**, 56, 1307-1309	1.3	8
177	Age-hardening behavior of Al□10%Si□0.3%Mg alloy with water quenching and direct quenching after solution treatment. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 218-223	0.3	1
176	Two-step aging behavior of Al–10%Si–0.3%Mg alloy after solution treatment. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 55-60	0.3	1
175	Effect of the solidification structure on the hardness after T5 heat treatment in Al–10%Si–0.3%Mg alloy die-castings. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2015**, 65, 15-21	0.3	
174	Cr(Al)N/Al2O3 nanocomposite coatings fabricated by differential pumping cosputtering. *Microscopy and Microanalysis*, **2015**, 21, 1027-1028	0.5	1
173	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
172	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
171	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

170	Precipitation Sequence in the Mg–Gd–Y System Investigated by HRTEM and HAADF-STEM. *Materials Transactions*, **2014**, 55, 1051-1057	1.3	20
169	Interfacial Structure of Erbium Oxide Layer on SUS316 Substrate Formed by MOCVD Method. *Materials Transactions*, **2014**, 55, 1781-1785	1.3	3
168	Morphologies of Some Graphites in Ductile Cast Irons. *Materials Transactions*, **2014**, 55, 1500-1505	1.3	17
167	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
166	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
165	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
164	HRTEM Observation of Age-Precipitation in Mg-2.9at.% Alloys. *Advanced Materials Research*, **2014**, 922, 503-506	0.5	1
163	Observation of large Equilibrium Phase of Al-Mg-Si Alloys. *Materials Science Forum*, **2014**, 794-796, 977-980	0.4	
162	Aging Precipitation of Al-Mg-Si Alloys with Additions of Ag and Cu. *Materials Science Forum*, **2014**, 794-796, 981-984	0.4	
161	TEM Observation for Precipitates Structure of Al-1.0Mass%Mg2Ge Alloys Aged at 473K. *Materials Science Forum*, **2014**, 794-796, 992-995	0.4	
160	TEM Observation of HPT-Processed Cu-Added Excess Mg-Type Al-Mg-Si Alloys. *Materials Science Forum*, **2014**, 794-796, 811-814	0.4	
159	TEM Observation of Precipitates in Excess Mg-Type Al-Mg-Si Alloys Aged at 473K after Deformation. *Materials Science Forum*, **2014**, 794-796, 988-991	0.4	
158	Relationship between Mechanical Properties and Microstructure, and Morphological Observation of Spheroidal Graphite in FCD450 Cast Iron Added Antimony. *Journal of Smart Processing*, **2014**, 3, 367-373	0.2	1
157	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
156	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
155	Muon kinetics in heat treated Al (Mg)(Si) alloys. *Acta Materialia*, **2013**, 61, 6082-6092	8.4	15
154	Influence of Trace Sb Addition in Ductile Cast Iron **2013**, 3435-3440		
153	HRTEM Observation of Precipitation in Mg-Gd-Y Alloys during Aging at 473K **2013**, 1271-1276		

152	Observation of Equilibrium Phase for Cu or Ag Addition Al-Mg-Si Alloys **2013**, 1329-1334		
151	Age-Hardening Behavior of Deformed Excess Mg-Type Al-Mg-Si Alloys **2013**, 1191-1196		
150	Effect of Crystal Grain Orientation on Grain Boundary Fracture in Polycrystalline Al-Zn-Mg-Cu Alloy **2013**, 1211-1216		
149	Variation of Aging Behavior for Cu or Ag Addition Al-Zn-Mg Alloys **2013**, 1349-1354		
148	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
147	TEM Observation of Spheroidal Graphite in Ductile Cast Iron **2013**, 3459-3464		
146	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
145	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
144	Observation of Equilibrium Phase for Cu or Ag Addition Al-Mg-Si Alloys **2013**, 1329-1334		
143	Age-hardening of an Al□i□u□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
142	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
141	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
140	Microstructure and Superconductive Property of MgB2/Al Based Composite Materials. *Plasma and Fusion Research*, **2012**, 7, 2402150-2402150	0.5	
139	Effect of Die Temperature on Tensile Property of Rheocast Phosphor Bronze. *Materials Science Forum*, **2012**, 706-709, 931-936	0.4	6
138	HRTEM Observation of Precipitates in Mg-Gd-Zr and Mg-Y-Zr Alloys Aged at 423 K. *Materials Science Forum*, **2012**, 706-709, 1205-1208	0.4	
137	Oxidation Resistance and Self Hardening of CrAlN/BN Nanocomposite Coatings. *Materials Science Forum*, **2012**, 706-709, 2559-2564	0.4	
136	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
135	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

134	Probing defects in Al-Mg-Si alloys using muon spin relaxation. *Physical Review B*, **2012**, 86,	3.3	15
133	Effect of Mn or Fe Addition on Age-Hardening Behaviour of Al–Mg2Si Alloys. *Materials Transactions*, **2012**, 53, 1521-1528	1.3	3
132	Simultaneous strengthning due to grain refinement and fine precipitation. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2012**, 62, 398-405	0.3	6
131	Aging behavior of ultrafine-grained Al^|^ndash;Mg^|^ndash;Si^|^ndash;X (X=Cu, Ag, Pt, Pd) alloys produced by high-pressure torsion. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2012**, 62, 448-453	0.3	1
130	Effects of microstructures on age-hardening of Mg^|^ndash;Al binary alloys. *Keikinzoku/Journal of Japan Institute of Light Metals*, **2012**, 62, 473-478	0.3	2
129	Development of Age-Hardening Technology for Ultrafine-Grained Al-Li-Cu Alloys Fabricated by High-Pressure Torsion **2012**, 939-944		
128	Microstructure of V3Ga Superconducting Wire Using Cu/V with High Ga Contents. *Plasma and Fusion Research*, **2012**, 7, 2402040-2402040	0.5	
127	Age-hardening Behavior of MgB2 Particle Dispersed Al Alloy Composite Materials **2012**, 1039-1042		
126	Tem Observation of Precipitates in Ag-Added Al-Mg-Si Alloys **2012**, 1251-1254		
125	Rheo-Extrusion of Hypoeutectic Al-Si-Mg-Fe Alloy **2012**, 1679-1684		
124	Tem Observation of Precipitates in Al-Mg-Ge Alloys with Different Mg2Ge Contents **2012**, 1279-1281		
123	Variation of age-hardening behavior of TM-addition Al-Mg-Si alloys. *Journal of Alloys and Compounds*, **2011**, 509, 9876-9883	5.7	10
122	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
121	Superconducting Properties of MgB2 Particle Impregnated with Mg-Based Alloys. *Materials Transactions*, **2011**, 52, 272-275	1.3	3
120	Crystallographic Orientation Relationship between Discontinuous Precipitates and Matrix in Commercial AZ91 Mg Alloy. *Materials Transactions*, **2011**, 52, 340-344	1.3	8
119	Effect of TM-Addition on the Aging Behaviour of Al-Mg-Si Alloys. *Materials Transactions*, **2011**, 52, 229-234	1.3	8
118	FIB Induced Damage Examined with the Low Energy SEM. *Materials Transactions*, **2011**, 52, 292-296	1.3	9
117	HRTEM Observation of Intermediate Precipitates in Al-Mg-Si Alloys Containing Ag. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2011**, 75, 179-187	0.4	

116	Chemical and spatial promotional effects of bimodal pore catalysts for methane dry reforming. *Chemical Engineering Journal*, **2011**, 170, 258-263	14.7	30
115	The Crystal Structure of the Phase Including Ag in Al-Mg-Si-Ag Alloy. *Advanced Materials Research*, **2011**, 409, 67-70	0.5	4
114	Variation of Aging Behaviour for TM-Addition Al-Mg-Si Alloys. *Advanced Materials Research*, **2011**, 409, 88-91	0.5	1
113	Effect of Die Temperature on Tensile Property of Rheocast Phosphor Bronze. *Advanced Materials Research*, **2011**, 409, 237-242	0.5	1
112	Rheo-Extrusion of Hypereutectic Al-14.8Si-4.5Cu-1.1Mg Alloy. *Advanced Materials Research*, **2011**, 409, 57-62	0.5	
111	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
110	Aging Behavior of Al-Mg-Si Alloys Processed by High-Pressure Torsion. *Materials Science Forum*, **2010**, 667-669, 259-264	0.4	3
109	TEM Observation of Metastable Phases in Aged Al-Mg-Ge Alloys. *Materials Science Forum*, **2010**, 654-656, 930-933	0.4	3
108	Effect of Polygonal Rotor Process on Solidification Structure of Lead-Free Bismuth Bronze. *Materials Science Forum*, **2010**, 654-656, 1389-1392	0.4	2
107	Miscible viscous fingering involving viscosity changes of the displacing fluid by chemical reactions. *Physics of Fluids*, **2010**, 22, 024101	4.4	22
106	Effects of Tm substitution on superconductivity and magnetism in the antiferromagnetic borocarbide superconductor Dy1TmxNi2B2C. *Physical Review B*, **2010**, 81,	3.3	23
105	Microstructure and Properties of TiAlN/a-C Nanocomposite Coatings Prepared by Reactive Sputtering. *Materials Transactions*, **2010**, 51, 282-287	1.3	11
104	HRTEM Observation of Metastable Phases in a Mg–15%Gd–6.4%Sc Alloy. *Materials Transactions*, **2010**, 51, 301-304	1.3	4
103	One-Step Preparation of Bimodal FeMnK/SiO2 Catalyst and its Catalytic Performance of Slurry Phase Fischer Tropsch Synthesis. *Catalysis Letters*, **2010**, 139, 7-16	2.8	6
102	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
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