

# K Hono

## List of Publications by Year in descending order

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956  
papers

46,859  
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docs citations

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times ranked

15609  
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#	ARTICLE	IF	CITATIONS
1	Pre-precipitate clusters and precipitation processes in Al-Mg-Si alloys. <i>Acta Materialia</i> , 1999, 47, 1537-1548.	7.9	552
2	Strategy for high-coercivity Nd-Fe-B magnets. <i>Scripta Materialia</i> , 2012, 67, 530-535.	5.2	542
3	All-optical control of ferromagnetic thin films and nanostructures. <i>Science</i> , 2014, 345, 1337-1340.	12.6	524
4	Fabrication of extraordinary high-strength magnesium alloy by hot extrusion. <i>Scripta Materialia</i> , 2009, 61, 644-647.	5.2	495
5	Microstructural Evolution and Age Hardening in Aluminium Alloys. <i>Materials Characterization</i> , 2000, 44, 101-131.	4.4	446
6	Effect of Zn additions on the age-hardening of Mg-2.0Gd-1.2Y-0.2Zr alloys. <i>Acta Materialia</i> , 2007, 55, 4137-4150.	7.9	441
7	Solute segregation and precipitation in a creep-resistant Mg-Gd-Zn alloy. <i>Acta Materialia</i> , 2008, 56, 6061-6076.	7.9	356
8	Cu clustering and Si partitioning in the early crystallization stage of an Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Nb <sub>3</sub> Cu <sub>1</sub> amorphous alloy. <i>Acta Materialia</i> , 1999, 47, 997-1006.	7.9	354
9	Unveiling the formation of basal texture variations based on twinning and dynamic recrystallization in AZ31 magnesium alloy during extrusion. <i>Acta Materialia</i> , 2018, 157, 53-71.	7.9	352
10	Microstructure of two-phase Al-1.7 at% Cu alloy deformed by equal-channel angular pressing. <i>Acta Materialia</i> , 2001, 49, 21-29.	7.9	351
11	Grain boundary and interface chemistry of an Nd-Fe-B-based sintered magnet. <i>Acta Materialia</i> , 2012, 60, 819-830.	7.9	343
12	The microstructure evolution of a Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Nb <sub>3</sub> Cu <sub>1</sub> nanocrystalline soft magnetic material. <i>Acta Metallurgica Et Materialia</i> , 1992, 40, 2137-2147.	1.8	335
13	A high-strength Mg-Sn-Zn-Al alloy extruded at low temperature. <i>Scripta Materialia</i> , 2008, 59, 1111-1114.	5.2	312
14	Towards the development of heat-treatable high-strength wrought Mg alloys. <i>Scripta Materialia</i> , 2010, 63, 710-715.	5.2	274
15	Preparation and magnetic properties of highly coercive FePt films. <i>Applied Physics Letters</i> , 2002, 81, 1050-1052.	3.3	273
16	Effect of post-sinter annealing on the coercivity and microstructure of Nd-Fe-B permanent magnets. <i>Acta Materialia</i> , 2009, 57, 1337-1346.	7.9	256
17	High-coercivity ultrafine-grained anisotropic Nd-Fe-B magnets processed by hot deformation and the Nd-Cu grain boundary diffusion process. <i>Acta Materialia</i> , 2013, 61, 6622-6634.	7.9	252
18	Enhanced age hardening response by the addition of Zn in Mg-Sn alloys. <i>Scripta Materialia</i> , 2006, 55, 251-254.	5.2	250

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19	Evolution of $\theta$ phase in an Al-Cu-Mg-Ag alloy—a three-dimensional atom probe study. <i>Acta Materialia</i> , 1998, 46, 6053-6062.	7.9	249
20	The mechanism of coercivity enhancement by the grain boundary diffusion process of Nd-Fe-B sintered magnets. <i>Acta Materialia</i> , 2013, 61, 1982-1990.	7.9	248
21	Nucleation of precipitates in aged AlCuMg(Ag) alloys with high Cu:Mg ratios. <i>Acta Materialia</i> , 1996, 44, 1883-1898.	7.9	243
22	Cementite decomposition in heavily drawn pearlite steel wire. <i>Scripta Materialia</i> , 2001, 44, 977-983.	5.2	240
23	In situ formed two-phase metallic glass with surface fractal microstructure. <i>Acta Materialia</i> , 2004, 52, 2441-2448.	7.9	239
24	Demonstration of Half-Metallicity in Fermi-Level-Tuned Heusler Alloy $\text{Co}_2\text{FeAl}$ at Room Temperature. <i>Physical Review Letters</i> , 2009, 102, 246601.	7.8	238
25	Towards Oxide Electronics: a Roadmap. <i>Applied Surface Science</i> , 2019, 482, 1-93.	6.1	236
26	Chemistry of nanoscale precipitates in Mg <sub>2.1</sub> Gd <sub>0.6</sub> Y <sub>0.2</sub> Zr (at.%) alloy investigated by the atom probe technique. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 395, 301-306.	5.6	235
27	Bulk mechanical alloying of Cu-Ag and Cu/Zr two-phase microstructures by accumulative roll-bonding process. <i>Acta Materialia</i> , 2007, 55, 2885-2895.	7.9	229
28	Coercivity exceeding 100kOe in epitaxially grown FePt sputtered films. <i>Applied Physics Letters</i> , 2004, 85, 2571-2573.	3.3	228
29	Coercivity enhancement of hydrogenation-disproportionation-desorption-recombination processed Nd-Fe-B powders by the diffusion of Nd-Cu eutectic alloys. <i>Scripta Materialia</i> , 2010, 63, 1124-1127.	5.2	219
30	Microstructural evolution in a 17-4 PH stainless steel after aging at 400 °C. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999, 30, 345-353.	2.2	214
31	High-strength extruded Mg-Al-Ca-Mn alloy. <i>Scripta Materialia</i> , 2011, 65, 269-272.	5.2	214
32	Ultra high-strength Mg-Gd-Y-Zn-Zr alloy sheets processed by large-strain hot rolling and ageing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2012, 547, 93-98.	5.6	214
33	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. <i>Physical Review B</i> , 2015, 91, .	3.2	212
34	Precipitation-hardenable Mg <sub>2.4</sub> Zn <sub>0.1</sub> Ag <sub>0.1</sub> Ca <sub>0.16</sub> Zr (at.%) wrought magnesium alloy. <i>Acta Materialia</i> , 2009, 57, 749-760.	7.9	211
35	Age-hardening response of Mg <sub>0.3</sub> at.%Ca alloys with different Zn contents. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 526, 177-184.	5.6	205
36	Bimodally grained microstructure development during hot extrusion of Mg <sub>2.4</sub> Zn <sub>0.1</sub> Ag <sub>0.1</sub> Ca <sub>0.16</sub> Zr (at.%) alloys. <i>Acta Materialia</i> , 2009, 57, 5593-5604.	7.9	202

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37	Atom probe studies on the early stages of precipitation in Al-Mg-Si alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 1998, 250, 127-132.	5.6	199
38	Phase separation in Cu <sub>43</sub> Zr <sub>43</sub> Al <sub>7</sub> Ag <sub>7</sub> bulk metallic glass. <i>Scripta Materialia</i> , 2005, 53, 165-169.	5.2	196
39	Effect of Nd content on the microstructure and coercivity of hot-deformed Nd-Fe-B permanent magnets. <i>Acta Materialia</i> , 2013, 61, 5387-5399.	7.9	196
40	Effect of partitioning of Mn and Si on the growth kinetics of cementite in tempered Fe-0.6 mass% C martensite. <i>Acta Materialia</i> , 2007, 55, 5027-5038.	7.9	186
41	Secondary precipitation in an Al-Mg-Si-Cu alloy. <i>Acta Materialia</i> , 2007, 55, 3015-3024.	7.9	183
42	The building block of long-period structures in Mg-RE-Zn alloys. <i>Scripta Materialia</i> , 2009, 60, 980-983.	5.2	182
43	Effect of extrusion conditions on microstructure and mechanical properties of microalloyed Mg-Sn-Al-Zn alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 588, 318-328.	5.6	181
44	Nanoscale microstructural analysis of metallic materials by atom probe field ion microscopy. <i>Progress in Materials Science</i> , 2002, 47, 621-729.	32.8	180
45	Metallic composites processed via extreme deformation: Toward the limits of strength in bulk materials. <i>MRS Bulletin</i> , 2010, 35, 982-991.	3.5	180
46	The microstructure of sintered Sm(Co <sub>0.72</sub> Fe <sub>0.20</sub> Cu <sub>0.055</sub> Zr <sub>0.025</sub> ) <sub>7.5</sub> permanent magnet studied by atom probe. <i>Acta Materialia</i> , 2004, 52, 737-748.	7.9	178
47	L10-ordered high coercivity (FePt) <sub>Ag</sub> -C granular thin films for perpendicular recording. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 2658-2664.	2.3	173
48	Grain size dependence of coercivity of hot-deformed Nd-Fe-B anisotropic magnets. <i>Acta Materialia</i> , 2015, 82, 336-343.	7.9	173
49	Size dependence of ordering in FePt nanoparticles. <i>Journal of Applied Physics</i> , 2004, 95, 2690-2696.	2.5	167
50	Atom probe and transmission electron microscopy investigations of heavily drawn pearlitic steel wire. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 1999, 30, 717-727.	2.2	166
51	Influence of oxygen on the crystallization behavior of Zr <sub>65</sub> Cu <sub>27.5</sub> Al <sub>7.5</sub> and Zr <sub>66.7</sub> Cu <sub>33.3</sub> metallic glasses. <i>Acta Materialia</i> , 2000, 48, 3985-3996.	7.9	165
52	Microstructure of fine-grained Nd-Fe-B sintered magnets with high coercivity. <i>Scripta Materialia</i> , 2011, 65, 396-399.	5.2	165
53	Microstructural evolution in 13Cr-8Ni-2.5Mo-2Al martensitic precipitation-hardened stainless steel. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 394, 285-295.	5.6	164
54	Micromagnetic simulations on the grain size dependence of coercivity in anisotropic Nd-Fe-B sintered magnets. <i>Scripta Materialia</i> , 2014, 89, 29-32.	5.2	164

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55	Formation of non-ferromagnetic grain boundary phase in a Ga-doped Nd-rich Nd <sup>2+</sup> Fe <sup>2+</sup> B sintered magnet. <i>Scripta Materialia</i> , 2016, 113, 218-221.	5.2	164
56	Enhanced age hardening in a Mg <sup>2.4</sup> at.% Zn alloy by trace additions of Ag and Ca. <i>Scripta Materialia</i> , 2007, 57, 485-488.	5.2	163
57	Strong and ductile age-hardening Mg-Al-Ca-Mn alloy that can be extruded as fast as aluminum alloys. <i>Acta Materialia</i> , 2017, 130, 261-270.	7.9	163
58	TEM and 3DAP characterization of an age-hardened Mg <sup>2+</sup> Ca <sup>2+</sup> Zn alloy. <i>Scripta Materialia</i> , 2005, 53, 675-679.	5.2	162
59	Structure, magnetic property, and spin polarization of Co <sub>2</sub> FeAl <sub>x</sub> Si <sub>1-x</sub> Heusler alloys. <i>Journal of Applied Physics</i> , 2007, 102, .	2.5	162
60	Role of vacancy <sup>2+</sup> solute complex in the initial rapid age hardening in an Al <sup>2+</sup> Cu <sup>2+</sup> Mg alloy. <i>Acta Materialia</i> , 2001, 49, 913-920.	7.9	161
61	The effect of Cu additions on the precipitation kinetics in an Al-Mg-Si alloy with excess Si. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2001, 32, 239-246.	2.2	160
62	Structure and chemical compositions of the grain boundary phase in Nd-Fe-B sintered magnets. <i>Acta Materialia</i> , 2016, 115, 269-277.	7.9	160
63	High-pressure torsion for enhanced atomic diffusion and promoting solid-state reactions in the aluminum <sup>2+</sup> copper system. <i>Acta Materialia</i> , 2013, 61, 3482-3489.	7.9	159
64	Mechanical alloying and amorphization in Cu <sup>2+</sup> Nb <sup>2+</sup> Ag in situ composite wires studied by transmission electron microscopy and atom probe tomography. <i>Acta Materialia</i> , 2009, 57, 5254-5263.	7.9	158
65	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> /Ag/Co <sub>2</sub> FeAl <sub>0.5</sub> Si <sub>0.5</sub> trilayers. <i>Applied Physics Letters</i> , 2008, 93, .	3.3	157
66	Intrinsic hard magnetic properties of Sm(Fe <sub>1-x</sub> Co <sub>x</sub> ) <sub>12</sub> compound with the ThMn <sub>12</sub> structure. <i>Scripta Materialia</i> , 2017, 138, 62-65.	5.2	157
67	Microstructure and mechanical properties of bulk nanocrystalline Al <sup>2+</sup> Fe alloy processed by mechanical alloying and spark plasma sintering. <i>Acta Materialia</i> , 2009, 57, 3529-3538.	7.9	154
68	Microstructure and magnetic properties of FePt <sup>2+</sup> Al <sup>2+</sup> O granular thin films. <i>Applied Physics Letters</i> , 2000, 76, 3971-3973.	3.3	152
69	Nd <sub>2</sub> Fe <sub>14</sub> B/FeCo Anisotropic Nanocomposite Films with a Large Maximum Energy Product. <i>Advanced Materials</i> , 2012, 24, 6530-6535.	21.0	150
70	Solute clustering and grain boundary segregation in extruded dilute Mg <sup>2+</sup> Gd alloys. <i>Scripta Materialia</i> , 2014, 93, 28-31.	5.2	150
71	Strong and ductile heat-treatable Mg <sup>2+</sup> Sn <sup>2+</sup> Zn <sup>2+</sup> Al wrought alloys. <i>Acta Materialia</i> , 2015, 99, 176-186.	7.9	146
72	Effect of Cu on the structure and magnetic properties of FePt sputtered film. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 246, 259-265.	2.3	144

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73	Atom probe characterization of plate-like precipitates in a Mg-RE-Zn-Zr casting alloy. Scripta Materialia, 2003, 48, 1017-1022.	5.2	144
74	The origin of coercivity decrease in fine grained Nd-Fe-B sintered magnets. Journal of Magnetism and Magnetic Materials, 2009, 321, 1100-1105.	2.3	144
75	Direct evidence for oxygen stabilization of icosahedral phase during crystallization of Zr <sub>65</sub> Cu <sub>27.5</sub> Al <sub>7.5</sub> metallic glass. Applied Physics Letters, 2000, 76, 55-57.	3.3	143
76	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with Co <sub>2</sub> Fe(Al <sub>0.5</sub> Si <sub>0.5</sub> ) Heusler alloy layers and Ag spacer. Applied Physics Letters, 2010, 96, .	3.3	143
77	Altered ageing behaviour of a nanostructured Mg-8.2Gd-3.8Y-1.0Zn-0.4Zr alloy processed by high pressure torsion. Acta Materialia, 2018, 151, 260-270.	7.9	143
78	Sm(Co,Cu) <sub>5</sub> -Fe exchange spring multilayer films with high energy product. Applied Physics Letters, 2005, 86, 122509.	3.3	142
79	Solid state amorphization in cold drawn Cu/Nb wires. Acta Materialia, 2001, 49, 389-394.	7.9	139
80	Coherent tunneling and giant tunneling magnetoresistance in $\text{Co}/\text{Mn}/\text{Mn}/\text{Co}$ tunneling junctions. Physical Review B, 2010, 81, .	3.2	139
81	Size effect on the ordering of FePt granular films. Journal of Applied Physics, 2003, 93, 7166-7168.	2.5	138
82	Rare earth texture and improved ductility in a Mg-Zn-Gd alloy after high-speed extrusion. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 667, 233-239.	5.6	138
83	Microstructural investigation of white etching layer on pearlite steel rail. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2006, 421, 191-199.	5.6	137
84	Size effect on the ordering of L <sub>10</sub> FePt nanoparticles. Physical Review B, 2005, 72, .	3.2	136
85	High-coercivity hot-deformed Nd-Fe-B permanent magnets processed by Nd-Cu eutectic diffusion under expansion constraint. Scripta Materialia, 2014, 81, 48-51.	5.2	136
86	Cluster hardening in an aged Al-Cu-Mg alloy. Scripta Materialia, 1997, 36, 517-521.	5.2	135
87	Deformation Behavior of Ultra-Strong and Ductile Mg-Gd-Y-Zn-Zr Alloy with Bimodal Microstructure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2018, 49, 1931-1947.	2.2	135
88	Current-perpendicular-to-plane magnetoresistance in epitaxial Co <sub>2</sub> MnSi-Cr-Co <sub>2</sub> MnSi trilayers. Applied Physics Letters, 2006, 88, 222504.	3.3	133
89	Effect of pre-aging and Al addition on age-hardening and microstructure in Mg-6wt% Zn alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 496, 425-433.	5.6	132
90	Distribution of Dy in high-coercivity (Nd,Dy)-Fe-B sintered magnet. Acta Materialia, 2011, 59, 3061-3069.	7.9	132

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91	Effect of double aging and microalloying on the age hardening behavior of a Mg-Al-Zn alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 530, 1-8.	5.6	131
92	Bake-hardenable Mg-Al-Zn-Mn-Ca sheet Alloy processed by twin-roll casting. <i>Acta Materialia</i> , 2018, 158, 278-288.	7.9	131
93	Plasticity and microstructure of Zr-Cu-Al bulk metallic glasses. <i>Scripta Materialia</i> , 2007, 57, 173-176.	5.2	130
94	Heat-treatable Mg-Sn-Zn wrought alloy. <i>Scripta Materialia</i> , 2009, 61, 80-83.	5.2	130
95	Correlation of microchemistry of cell boundary phase and interface structure to the coercivity of Sm(Co <sub>0.784</sub> Fe <sub>0.100</sub> Cu <sub>0.088</sub> Zr <sub>0.028</sub> ) <sub>7.19</sub> sintered magnets. <i>Acta Materialia</i> , 2017, 126, 1-10.	7.9	129
96	Fabrication and Characteristics of Ordered Ni Nanostructures on Glass by Anodization and Direct Current Electrodeposition. <i>Chemistry of Materials</i> , 2002, 14, 4595-4602.	6.7	128
97	Voltage controlled interfacial magnetism through platinum orbits. <i>Nature Communications</i> , 2017, 8, 15848.	12.8	128
98	Grain boundary structure and chemistry of Dy-diffusion processed Nd-Fe-B sintered magnets. <i>Journal of Applied Physics</i> , 2010, 107, .	2.5	127
99	Microstructure and temperature dependent of coercivity of hot-deformed Nd-Fe-B magnets diffusion processed with Pr-Cu alloy. <i>Acta Materialia</i> , 2015, 99, 297-306.	7.9	127
100	Local chemistry of a nanocrystalline high-strength Mg 97 Y 2 Zn 1 alloy. <i>Philosophical Magazine Letters</i> , 2002, 82, 543-551.	1.2	126
101	Enhanced age-hardening and formation of plate precipitates in Mg-Gd-Ag alloys. <i>Scripta Materialia</i> , 2009, 61, 636-639.	5.2	126
102	The effect of Cu on mechanical and precipitation properties of Al-Zn-Mg alloys. <i>Journal of Alloys and Compounds</i> , 2004, 378, 52-60.	5.5	124
103	Enhanced precipitation hardening of Mg-Ca alloy by Al addition. <i>Scripta Materialia</i> , 2010, 63, 831-834.	5.2	124
104	The chemistry of precipitates in an aged Al-2.1Zn-1.7Mg at.% alloy. <i>Scripta Materialia</i> , 1999, 41, 1031-1038.	5.2	121
105	Dynamic microstructural changes during hot extrusion and mechanical properties of a Mg-5.0 Zn-0.9 Y-0.16 Zr (wt.%) alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2011, 528, 4055-4067.	5.6	121
106	Atom probe analysis of Fe <sub>73.5</sub> Si <sub>13.5</sub> B <sub>9</sub> Nb <sub>3</sub> Cu <sub>1</sub> nanocrystalline soft magnetic material. <i>Applied Physics Letters</i> , 1991, 58, 2180-2182.	3.3	120
107	Solute partitioning in partially crystallized Al-Ni-Ce(-Cu) metallic glasses. <i>Scripta Metallurgica Et Materialia</i> , 1995, 32, 191-196.	1.0	120
108	Nanocrystallization of Zr <sub>41.2</sub> Ti <sub>13.8</sub> Cu <sub>12.5</sub> Ni <sub>10.0</sub> Be <sub>22.5</sub> metallic glass. <i>Acta Materialia</i> , 2004, 52, 4427-4435.	7.9	120

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109	Microstructure of Co-Al-O granular thin films. Journal of Applied Physics, 1997, 82, 5646-5652.	2.5	120
110	Microstructure of FePt/Pt magnetic thin films with high perpendicular coercivity. Journal of Applied Physics, 1998, 84, 4403-4409.	2.5	119
111	Simultaneously enhanced strength and ductility of Mg-Zn-Zr-Ca alloy with fully recrystallized ultrafine grained structures. Scripta Materialia, 2017, 131, 1-5.	5.2	118
112	The effect of trace additions of Sn on precipitation in Al-Cu alloys: An atom probe field ion microscopy study. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 1995, 26, 2207-2217.	2.2	117
113	Magnetism of ultrathin intergranular boundary regions in Nd-Fe-B permanent magnets. Acta Materialia, 2014, 71, 370-379.	7.9	117
114	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. Journal of Applied Physics, 2014, 116, .	2.5	115
115	Effect of Zr addition on the mechanical properties of as-extruded Mg-Zn-Ca-Zr alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2010, 527, 2356-2362.	5.6	114
116	Dissimilar joining of Al/Mg light metals by compound casting process. Journal of Materials Science, 2011, 46, 6491-6499.	3.7	114
117	Enhancement of coercivity of hot-deformed Nd-Fe-B anisotropic magnet by low-temperature grain boundary diffusion of Nd <sub>60</sub> Dy <sub>20</sub> Cu <sub>20</sub> eutectic alloy. Scripta Materialia, 2013, 69, 647-650.	5.2	114
118	APFIM and TEM studies of drawn pearlitic wire. Scripta Materialia, 1997, 37, 1221-1230.	5.2	113
119	L10 ordering of off-stoichiometric FePt (001) thin films at reduced temperature. Applied Physics Letters, 2003, 82, 2461-2463.	3.3	113
120	NdFe <sub>12</sub> N hard-magnetic compound with high magnetization and anisotropy field. Scripta Materialia, 2015, 95, 70-72.	5.2	113
121	Magnetic properties of nanocrystalline FeMCuNbSiB alloys (M: Co, Ni). Scripta Materialia, 2003, 48, 863-868.	5.2	109
122	Correlation between the spin Hall angle and the structural phases of early 5d transition metals. Applied Physics Letters, 2015, 107, .	3.3	109
123	Spin polarization and Gilbert damping of Co <sub>2</sub> Fe(GaxGe <sub>1-x</sub> ) Heusler alloys. Acta Materialia, 2012, 60, 6257-6265.	7.9	108
124	Bimodally grained high-strength Fe fabricated by mechanical alloying and spark plasma sintering. Acta Materialia, 2009, 57, 3277-3286.	7.9	107
125	Small-angle neutron scattering and differential scanning calorimetry studies on the copper clustering stage of Fe-Si-B-Nb-Cu nanocrystalline alloys. Acta Materialia, 2000, 48, 4783-4790.	7.9	105
126	Atom probe microanalysis and nanoscale microstructures in metallic materials. Acta Materialia, 1999, 47, 3127-3145.	7.9	104



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127	The effect of nanocrystallization and free volume on the room temperature plasticity of Zr-based bulk metallic glasses. <i>Acta Materialia</i> , 2008, 56, 5329-5339.	7.9	104
128	A heat-treatable Mg-Al-Ca-Mn-Zn sheet alloy with good room temperature formability. <i>Scripta Materialia</i> , 2017, 138, 151-155.	5.2	104
129	Magnetization reversal of exchange-coupled and exchange-decoupled Nd-Fe-B magnets observed by magneto-optical Kerr effect microscopy. <i>Acta Materialia</i> , 2017, 135, 68-76.	7.9	103
130	Local structure of amorphous Zr <sub>70</sub> Pd <sub>30</sub> alloy studied by electron diffraction. <i>Applied Physics Letters</i> , 2001, 79, 485-487.	3.3	102
131	Tunnel magnetoresistance with improved bias voltage dependence in lattice-matched Fe/spinel MgAl <sub>2</sub> O <sub>4</sub> /Fe(001) junctions. <i>Applied Physics Letters</i> , 2010, 96, .	3.3	102
132	Enhancement of glass forming ability and plasticity by addition of Nb in Cu-Ti-Zr-Ni-Si bulk metallic glasses. <i>Journal of Non-Crystalline Solids</i> , 2005, 351, 1232-1238.	3.1	101
133	Microstructures and mechanical properties of high-strength Mg-Gd-Y-Zn-Zr alloy sheets processed by severe hot rolling. <i>Journal of Alloys and Compounds</i> , 2012, 524, 46-52.	5.5	101
134	Development of dilute Mg-Zn-Ca-Mn alloy with high performance via extrusion. <i>Journal of Alloys and Compounds</i> , 2016, 668, 13-21.	5.5	101
135	Prospect for HRE-free high coercivity Nd-Fe-B permanent magnets. <i>Scripta Materialia</i> , 2018, 151, 6-13.	5.2	101
136	Role of Ag and Mg on precipitation of T1 phase in an Al-Cu-Li-Mg-Ag alloy. <i>Scripta Materialia</i> , 2001, 44, 701-706.	5.2	100
137	A high-strength bulk nanocrystalline Al-Fe alloy processed by mechanical alloying and spark plasma sintering. <i>Scripta Materialia</i> , 2007, 57, 189-192.	5.2	100
138	Large perpendicular magnetic anisotropy at Fe/MgO interface. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	100
139	Microstructures of FePt-Al-O and FePt-Ag nanogranular thin films and their magnetic properties. <i>Journal of Applied Physics</i> , 2001, 90, 4708-4716.	2.5	99
140	Three-dimensional atom probe study of Fe-B-based nanocrystalline soft magnetic materials. <i>Acta Materialia</i> , 2009, 57, 4463-4472.	7.9	99
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158	Characterization of nanocrystalline ferrite produced by mechanical milling of pearlitic steel. <i>Scripta Materialia</i> , 2005, 52, 271-276.	5.2	89
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