K Hono

List of Publications by Citations

927 papers	37,944 citations	103 h-index	146 g-index
994 ext. papers	42,417 ext. citations	4.3 avg, IF	7.61 L-index

#	Paper	IF	Citations
927	Pre-precipitate clusters and precipitation processes in Al-Mg-Si alloys. *Acta Materialia*, **1999**, 47, 1537-1548	8.4	479
926	Strategy for high-coercivity Nd-Fe-B magnets. *Scripta Materialia*, **2012**, 67, 530-535	5.6	419
925	Fabrication of extraordinary high-strength magnesium alloy by hot extrusion. *Scripta Materialia*, **2009**, 61, 644-647	5.6	400
924	All-optical control of ferromagnetic thin films and nanostructures. *Science*, **2014**, 345, 1337-40	33.3	393
923	Microstructural Evolution and Age Hardening in Aluminium Alloys. *Materials Characterization*, **2000**, 44, 101-131	3.9	380
922	Effect of Zn additions on the age-hardening of Mg-2.0Gd-1.2Y-0.2Zr alloys. *Acta Materialia*, **2007**, 55, 4137-4150	8.4	378
921	The microstructure evolution of a Fe73.5Si13.5B9Nb3Cu1 nanocrystalline soft magnetic material. *Acta Metallurgica Et Materialia*, **1992**, 40, 2137-2147		313
920	Microstructure of two-phase Al-1.7 at% Cu alloy deformed by equal-channel angular pressing. *Acta Materialia*, **2001**, 49, 21-29	8.4	309
919	Cu clustering and Si partitioning in the early crystallization stage of an Fe73.5Si13.5B9Nb3Cu1 amorphous alloy. *Acta Materialia*, **1999**, 47, 997-1006	8.4	308
918	Solute segregation and precipitation in a creep-resistant Mg-Gd-Zn alloy. *Acta Materialia*, **2008**, 56, 6061-6076	8.4	286
917	A high-strength Mg-Sn-Zn-Al alloy extruded at low temperature. *Scripta Materialia*, **2008**, 59, 1111-1114	5.6	276
916	Grain boundary and interface chemistry of an Nd-Fe-B-based sintered magnet. *Acta Materialia*, **2012**, 60, 819-830	8.4	272
915	Preparation and magnetic properties of highly coercive FePt films. *Applied Physics Letters*, **2002**, 81, 1050-1052	3.4	244
914	Towards the development of heat-treatable high-strength wrought Mg alloys. *Scripta Materialia*, **2010**, 63, 710-715	5.6	241
913	Enhanced age hardening response by the addition of Zn in Mg-Sn alloys. *Scripta Materialia*, **2006**, 55, 251-254	5.6	227
912	Cementite decomposition in heavily drawn pearlite steel wire. *Scripta Materialia*, **2001**, 44, 977-983	5.6	217
911	Effect of post-sinter annealing on the coercivity and microstructure of Nd-Fe-B permanent magnets. *Acta Materialia*, **2009**, 57, 1337-1346	8.4	216

910	In situ formed two-phase metallic glass with surface fractal microstructure. *Acta Materialia*, **2004**, 52, 2441-2448	8.4	212
909	Nucleation of precipitates in aged AlCuMg(Ag) alloys with high Cu:Mg ratios. *Acta Materialia*, **1996**, 44, 1883-1898	8.4	211
908	Chemistry of nanoscale precipitates in Mg□.1Gd□.6Y□.2Zr (at.%) alloy investigated by the atom probe technique. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 395, 301-306	5.3	210
907	High-coercivity ultrafine-grained anisotropic Nd□eB magnets processed by hot deformation and the Nd□u grain boundary diffusion process. *Acta Materialia*, **2013**, 61, 6622-6634	8.4	209
906	Coercivity exceeding 100kOe in epitaxially grown FePt sputtered films. *Applied Physics Letters*, **2004**, 85, 2571-2573	3.4	208
905	Evolution of □phase in an Al□u□Mg□Ag alloy□ three-dimensional atom probe study. *Acta Materialia*, **1998**, 46, 6053-6062	8.4	205
904	Demonstration of half-metallicity in fermi-level-tuned Heusler alloy Co2FeAl0.5Si0.5 at room temperature. *Physical Review Letters*, **2009**, 102, 246601	7.4	204
903	Bulk mechanical alloying of Cu□g and Cu/Zr two-phase microstructures by accumulative roll-bonding process. *Acta Materialia*, **2007**, 55, 2885-2895	8.4	201
902	Precipitation-hardenable Mg□.4Zn□.1Ag□.1Ca□.16Zr (at.%) wrought magnesium alloy. *Acta Materialia*, **2009**, 57, 749-760	8.4	190
901	Coercivity enhancement of hydrogenation□disproportionation□desorption□ecombination processed Nd□eB powders by the diffusion of Nd□u eutectic alloys. *Scripta Materialia*, **2010**, 63, 1124-1127	5.6	190
900	Phase separation in Cu43Zr43Al7Ag7 bulk metallic glass. *Scripta Materialia*, **2005**, 53, 165-169	5.6	186
899	The mechanism of coercivity enhancement by the grain boundary diffusion process of Nd□eB sintered magnets. *Acta Materialia*, **2013**, 61, 1982-1990	8.4	179
898	Age-hardening response of Mg□.3 at.%Ca alloys with different Zn contents. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2009**, 526, 177-184	5.3	178
897	Atom probe studies on the early stages of precipitation in Al□Mg□i alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1998**, 250, 127-132	5.3	178
896	Unveiling the formation of basal texture variations based on twinning and dynamic recrystallization in AZ31 magnesium alloy during extrusion. *Acta Materialia*, **2018**, 157, 53-71	8.4	175
895	Bimodally grained microstructure development during hot extrusion of Mg□.4 Zn□.1 Ag□.1 Ca□.16 Zr (at.%) alloys. *Acta Materialia*, **2009**, 57, 5593-5604	8.4	174
894	Microstructural evolution in a 17-4 PH stainless steel after aging at 400 °C. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1999**, 30, 345-353	2.3	170
893	High-strength extruded Mg□Al□Ca□Mn alloy. *Scripta Materialia*, **2011**, 65, 269-272	5.6	166

892	Spin gapless semiconducting behavior in equiatomic quaternary CoFeMnSi Heusler alloy. *Physical Review B*, **2015**, 91,	3.3	164
891	Ultra high-strength MgCdYZnZr alloy sheets processed by large-strain hot rolling and ageing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2012**, 547, 93-98	5.3	161
890	L10-ordered high coercivity (FePt)AgC granular thin films for perpendicular recording. *Journal of Magnetism and Magnetic Materials*, **2010**, 322, 2658-2664	2.8	161
889	Towards Oxide Electronics: a Roadmap. *Applied Surface Science*, **2019**, 482, 1-93	6.7	160
888	The building block of long-period structures in MgREZn alloys. *Scripta Materialia*, **2009**, 60, 980-983	5.6	160
887	Effect of partitioning of Mn and Si on the growth kinetics of cementite in tempered Fe0.6 mass% C martensite. *Acta Materialia*, **2007**, 55, 5027-5038	8.4	158
886	Effect of extrusion conditions on microstructure and mechanical properties of microalloyed MgSnAlZn alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 588, 318-328	5.3	155
885	Effect of Nd content on the microstructure and coercivity of hot-deformed NdFeB permanent magnets. *Acta Materialia*, **2013**, 61, 5387-5399	8.4	154
884	Metallic composites processed via extreme deformation: Toward the limits of strength in bulk materials. *MRS Bulletin*, **2010**, 35, 982-991	3.2	154
883	Atom probe and transmission electron microscopy investigations of heavily drawn pearlitic steel wire. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1999**, 30, 717-727	2.3	154
882	Secondary precipitation in an AlMgSiCu alloy. *Acta Materialia*, **2007**, 55, 3015-3024	8.4	152
881	Size dependence of ordering in FePt nanoparticles. *Journal of Applied Physics*, **2004**, 95, 2690-2696	2.5	152
880	Influence of oxygen on the crystallization behavior of Zr65Cu27.5Al7.5 and Zr66.7Cu33.3 metallic glasses. *Acta Materialia*, **2000**, 48, 3985-3996	8.4	151
879	Enhanced age hardening in a Mg1.4at.% Zn alloy by trace additions of Ag and Ca. *Scripta Materialia* , **2007**, 57, 485-488	5.6	150
878	TEM and 3DAP characterization of an age-hardened MgCaZn alloy. *Scripta Materialia*, **2005**, 53, 675-679	5.6	149
877	Current-perpendicular-to-plane giant magnetoresistance in spin-valve structures using epitaxial Co2FeAl0.5Si0.5/Ag/Co2FeAl0.5Si0.5 trilayers. *Applied Physics Letters*, **2008**, 93, 122507	3.4	147
876	Structure, magnetic property, and spin polarization of Co2FeAlxSi1x Heusler alloys. *Journal of Applied Physics*, **2007**, 102, 033916	2.5	146
875	Nanoscale microstructural analysis of metallic materials by atom probe field ion microscopy. *Progress in Materials Science*, **2002**, 47, 621-729	42.2	146

874	Microstructure and mechanical properties of bulk nanocrystalline AlFe alloy processed by mechanical alloying and spark plasma sintering. *Acta Materialia*, **2009**, 57, 3529-3538	8.4	143
873	Microstructure and magnetic properties of FePtAlO granular thin films. *Applied Physics Letters*, **2000**, 76, 3971-3973	3.4	142
872	Microstructure of fine-grained NdFeB sintered magnets with high coercivity. *Scripta Materialia*, **2011**, 65, 396-399	5.6	140
871	Nd(2)Fe(14)B/FeCo anisotropic nanocomposite films with a large maximum energy product. *Advanced Materials*, **2012**, 24, 6530-5	24	138
870	Role of vacancySolute complex in the initial rapid age hardening in an AlCuMg alloy. *Acta Materialia*, **2001**, 49, 913-920	8.4	138
869	The microstructure of sintered Sm(Co0.72Fe0.20Cu0.055Zr0.025)7.5 permanent magnet studied by atom probe. *Acta Materialia*, **2004**, 52, 737-748	8.4	134
868	The effect of Cu additions on the precipitation kinetics in an Al-Mg-Si alloy with excess Si. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2001**, 32, 239-246	2.3	134
867	High-pressure torsion for enhanced atomic diffusion and promoting solid-state reactions in the aluminumCopper system. *Acta Materialia*, **2013**, 61, 3482-3489	8.4	132
866	Direct evidence for oxygen stabilization of icosahedral phase during crystallization of Zr65Cu27.5Al7.5 metallic glass. *Applied Physics Letters*, **2000**, 76, 55-57	3.4	132
865	Grain size dependence of coercivity of hot-deformed NdFeB anisotropic magnets. *Acta Materialia* , **2015**, 82, 336-343	8.4	131
864	Mechanical alloying and amorphization in CuNbAg in situ composite wires studied by transmission electron microscopy and atom probe tomography. *Acta Materialia*, **2009**, 57, 5254-5263	8.4	131
863	Sm(Co,Cu)5Fe exchange spring multilayer films with high energy product. *Applied Physics Letters*, **2005**, 86, 122509	3.4	131
862	Effect of Cu on the structure and magnetic properties of FePt sputtered film. *Journal of Magnetism and Magnetic Materials*, **2002**, 246, 259-265	2.8	131
861	Micromagnetic simulations on the grain size dependence of coercivity in anisotropic NdFeB sintered magnets. *Scripta Materialia*, **2014**, 89, 29-32	5.6	130
860	Bulk and interfacial scatterings in current-perpendicular-to-plane giant magnetoresistance with Co2Fe(Al0.5Si0.5) Heusler alloy layers and Ag spacer. *Applied Physics Letters*, **2010**, 96, 212501	3.4	130
859	Atom probe characterization of plate-like precipitates in a MgREZnZr casting alloy. *Scripta Materialia*, **2003**, 48, 1017-1022	5.6	130
858	Size effect on the ordering of L10 FePt nanoparticles. *Physical Review B*, **2005**, 72,	3.3	129
857	Microstructural evolution in 13CrNi2.5Mo2Al martensitic precipitation-hardened stainless steel. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 394, 285-295	5.3	127

856	Current-perpendicular-to-plane magnetoresistance in epitaxial Co2MnSi/Cr/Co2MnSi trilayers. *Applied Physics Letters*, **2006**, 88, 222504	3.4	126
855	Coherent tunneling and giant tunneling magnetoresistance in Co2FeAl/MgO/CoFe magnetic tunneling junctions. *Physical Review B*, **2010**, 81,	3.3	125
854	Size effect on the ordering of FePt granular films. *Journal of Applied Physics*, **2003**, 93, 7166-7168	2.5	124
853	Solid state amorphization in cold drawn Cu/Nb wires. *Acta Materialia*, **2001**, 49, 389-394	8.4	124
852	The origin of coercivity decrease in fine grained Nd-Fe-B sintered magnets. *Journal of Magnetism and Magnetic Materials*, **2009**, 321, 1100-1105	2.8	123
851	Cluster hardening in an aged Al-Cu-Mg alloy. *Scripta Materialia*, **1997**, 36, 517-521	5.6	120
850	High-coercivity hot-deformed Nd-Fe-B permanent magnets processed by Nd-Cu eutectic diffusion under expansion constraint. *Scripta Materialia*, **2014**, 81, 48-51	5.6	119
849	Heat-treatable Mg-Sn-Zn wrought alloy. *Scripta Materialia*, **2009**, 61, 80-83	5.6	119
848	Structure and chemical compositions of the grain boundary phase in Nd-Fe-B sintered magnets. *Acta Materialia*, **2016**, 115, 269-277	8.4	118
847	Formation of non-ferromagnetic grain boundary phase in a Ga-doped Nd-rich Nd-Fe-B sintered magnet. *Scripta Materialia*, **2016**, 113, 218-221	5.6	118
846	Strong and ductile heat-treatable Mg-Sn-Zn-Al wrought alloys. *Acta Materialia*, **2015**, 99, 176-186	8.4	114
845	Fabrication and Characteristics of Ordered Ni Nanostructures on Glass by Anodization and Direct Current Electrodeposition. *Chemistry of Materials*, **2002**, 14, 4595-4602	9.6	113
844	Microstructure of FePt/Pt magneticthin films with high perpendicular coercivity. *Journal of Applied Physics*, **1998**, 84, 4403-4409	2.5	113
843	Dynamic microstructural changes during hot extrusion and mechanical properties of a Mg-5.0 Zn-0.9 Y-0.16 Zr (wt.%) alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 528, 4055-4067	5.3	112
842	Plasticity and microstructure of Zr-Cu-Al bulk metallic glasses. *Scripta Materialia*, **2007**, 57, 173-176	5.6	112
841	Effect of pre-aging and Al addition on age-hardening and microstructure in Mg-6 wt% Zn alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2008**, 496, 425-433	5.3	111
840	Local chemistry of a nanocrystalline high-strength Mg 97 Y 2 Zn 1 alloy. *Philosophical Magazine Letters*, **2002**, 82, 543-551	1	110
839	Grain boundary structure and chemistry of Dy-diffusion processed Nd-Fe-B sintered magnets. *Journal of Applied Physics*, **2010**, 107, 09A745	2.5	109

838	Solute partitioning in partially crystallized Al-Ni-Ce(-Cu) metallic glasses. *Scripta Metallurgica Et Materialia*, **1995**, 32, 191-196		109
837	Effect of double aging and microalloying on the age hardening behavior of a Mg□Sn□Zn alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2011**, 530, 1-8	5.3	108
836	Microstructural investigation of white etching layer on pearlite steel rail. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 421, 191-199	5.3	108
835	Microstructure of Co□Al□O granular thin films. *Journal of Applied Physics*, **1997**, 82, 5646-5652	2.5	108
834	The chemistry of precipitates in an aged Al-2.1Zn-1.7Mg at.% alloy. *Scripta Materialia*, **1999**, 41, 1031-1038	5.6	107
833	Atom probe analysis of Fe73.5Si13.5B9Nb3Cu1 nanocrystalline soft magnetic material. *Applied Physics Letters*, **1991**, 58, 2180-2182	3.4	107
832	Intrinsic hard magnetic properties of Sm(Fe 1□ Co x) 12 compound with the ThMn 12 structure. *Scripta Materialia*, **2017**, 138, 62-65	5.6	106
831	Enhanced precipitation hardening of Mg□a alloy by Al addition. *Scripta Materialia*, **2010**, 63, 831-834	5.6	106
830	Nanocrystallization of Zr41.2Ti13.8Cu12.5Ni10.0Be22.5 metallic glass. *Acta Materialia*, **2004**, 52, 4427-4435	8.4	106
829	Distribution of Dy in high-coercivity (Nd,Dy)□eB sintered magnet. *Acta Materialia*, **2011**, 59, 3061-3069	8.4	105
828	The effect of Cu on mechanical and precipitation properties of Al□nMg alloys. *Journal of Alloys and Compounds*, **2004**, 378, 52-60	5.7	105
827	L10 ordering of off-stoichiometric FePt (001) thin films at reduced temperature. *Applied Physics Letters*, **2003**, 82, 2461-2463	3.4	104
826	Microstructure and temperature dependent of coercivity of hot-deformed Nd□eB magnets diffusion processed with Pr□u alloy. *Acta Materialia*, **2015**, 99, 297-306	8.4	103
825	APFIM and TEM studies of drawn pearlitic wire. *Scripta Materialia*, **1997**, 37, 1221-1230	5.6	103
824	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	2.3	102
823	Solute clustering and grain boundary segregation in extruded dilute Mg□d alloys. *Scripta Materialia*, **2014**, 93, 28-31	5.6	101
822	Strong and ductile age-hardening Mg-Al-Ca-Mn alloy that can be extruded as fast as aluminum alloys. *Acta Materialia*, **2017**, 130, 261-270	8.4	99
821	Effect of Zr addition on the mechanical properties of as-extruded Mg□n□a□r alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2010**, 527, 2356-2362	5.3	99

820	Magnetism of ultrathin intergranular boundary regions in NdFeB permanent magnets. *Acta Materialia*, **2014**, 71, 370-379	8.4	96
819	Bimodally grained high-strength Fe fabricated by mechanical alloying and spark plasma sintering. *Acta Materialia*, **2009**, 57, 3277-3286	8.4	96
818	Small-angle neutron scattering and differential scanning calorimetry studies on the copper clustering stage of FeSiBNbCu nanocrystalline alloys. *Acta Materialia*, **2000**, 48, 4783-4790	8.4	95
817	Enhanced age-hardening and formation of plate precipitates in MgCdAg alloys. *Scripta Materialia*, **2009**, 61, 636-639	5.6	94
816	NdFe12Nx hard-magnetic compound with high magnetization and anisotropy field. *Scripta Materialia*, **2015**, 95, 70-72	5.6	93
815	Dissimilar joining of Al/Mg light metals by compound casting process. *Journal of Materials Science*, **2011**, 46, 6491-6499	4.3	93
814	The effect of nanocrystallization and free volume on the room temperature plasticity of Zr-based bulk metallic glasses. *Acta Materialia*, **2008**, 56, 5329-5339	8.4	93
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812	Tunnel magnetoresistance with improved bias voltage dependence in lattice-matched Fe/spinel MgAl2O4/Fe(001) junctions. *Applied Physics Letters*, **2010**, 96, 212505	3.4	92
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810	Atom probe microanalysis and nanoscale microstructures in metallic materials. *Acta Materialia*, **1999**, 47, 3127-3145	8.4	92
809	Enhancement of coercivity of hot-deformed NdFeB anisotropic magnet by low-temperature grain boundary diffusion of Nd60Dy20Cu20 eutectic alloy. *Scripta Materialia*, **2013**, 69, 647-650	5.6	91
808	Voltage controlled interfacial magnetism through platinum orbits. *Nature Communications*, **2017**, 8, 15848	17.4	91
807	Microstructures of FePtAlO and FePtAg nanogranular thin films and their magnetic properties. *Journal of Applied Physics*, **2001**, 90, 4708-4716	2.5	91
806	Local structure of amorphous Zr70Pd30 alloy studied by electron diffraction. *Applied Physics Letters* , **2001**, 79, 485-487	3.4	91
805	Laser-assisted atom probe analysis of zirconia/spinel nanocomposite ceramics. *Scripta Materialia*, **2009**, 61, 693-696	5.6	90
804	A high-strength bulk nanocrystalline AlFe alloy processed by mechanical alloying and spark plasma sintering. *Scripta Materialia*, **2007**, 57, 189-192	5.6	90
803	Correlation of microchemistry of cell boundary phase and interface structure to the coercivity of Sm(Co0.784Fe0.100Cu0.088Zr0.028)7.19 sintered magnets. *Acta Materialia*, **2017**, 126, 1-10	8.4	89

802	Simultaneously enhanced strength and ductility of Mg-Zn-Zr-Ca alloy with fully recrystallized ultrafine grained structures. *Scripta Materialia*, **2017**, 131, 1-5	5.6	88
801	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	5.3	88
800	Large magnetoresistance in current-perpendicular-to-plane pseudospin valve using a Co2Fe(Ge0.5Ga0.5) Heusler alloy. *Applied Physics Letters*, **2011**, 98, 152501	3.4	88
799	Spin polarization of Co2FeSi full-Heusler alloy and tunneling magnetoresistance of its magnetic tunneling junctions. *Applied Physics Letters*, **2006**, 89, 082512	3.4	88
798	Fabrication of bulk nanocrystalline Fe□ alloy by spark plasma sintering of mechanically milled powder. *Scripta Materialia*, **2005**, 53, 863-868	5.6	88
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795	High spin polarization in CoFeMnGe equiatomic quaternary Heusler alloy. *Journal of Applied Physics*, **2014**, 116, 203902	2.5	86
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793	Microstructure and magnetic properties of FePt and Fe/FePt polycrystalline films with high coercivity. *Journal of Applied Physics*, **2004**, 96, 475-481	2.5	84
792	Microstructures and mechanical properties of high-strength Mg□d□□n□r alloy sheets processed by severe hot rolling. *Journal of Alloys and Compounds*, **2012**, 524, 46-52	5.7	83
791	Characterization of nanocrystalline ferrite produced by mechanical milling of pearlitic steel. *Scripta Materialia*, **2005**, 52, 271-276	5.6	82
790	Microstructural characterization of (Fe0.5Co0.5)88Zr7B4Cu1 nanocrystalline alloys. *Scripta Materialia*, **2001**, 45, 781-786	5.6	82
789	Nanocrystalline structural evolution in Fe90Zr7B3 soft magnetic material. *Acta Materialia*, **1996**, 44, 1497-1510	8.4	82
788	Spin polarization and Gilbert damping of Co2Fe(GaxGe1□) Heusler alloys. *Acta Materialia*, **2012**, 60, 6257-6265	8.4	81
787	Microstructure optimization to achieve high coercivity in anisotropic Nd□e□ thin films. *Acta Materialia*, **2011**, 59, 7768-7775	8.4	81
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785	73 mm-diameter bulk metallic glass rod by copper mould casting. *Applied Physics Letters*, **2011**, 99, 051910	3.4	80

784	Nanoquasicrystallization of binary ZrPd metallic glasses. *Applied Physics Letters*, **2000**, 77, 1102-1104	3.4	80
783	Origin of the initial rapid age hardening in an Al-1.7 at.% Mg-1.1 at.% Cu alloy. *Philosophical Magazine Letters*, **1999**, 79, 639-648	1	80
782	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	8.4	79
781	Effect of Mn addition on microstructure, texture and mechanical properties of MgZnCa alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2011**, 528, 3741-3747	5.3	78
780	Role of Ag and Mg on precipitation of T1 phase in an Al-Cu-Li-Mg-Ag alloy. *Scripta Materialia*, **2001**, 44, 701-706	5.6	78
779	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	2.3	77
778	Large perpendicular magnetic anisotropy at Fe/MgO interface. *Applied Physics Letters*, **2013**, 103, 192401	3.4	77
777	Transmission electron microscopy investigation of CoFeB/MgO/CoFeB pseudospin valves annealed at different temperatures. *Journal of Applied Physics*, **2009**, 106, 023920	2.5	77
776	Development of dilute MgZnCaMn alloy with high performance via extrusion. *Journal of Alloys and Compounds*, **2016**, 668, 13-21	5.7	76
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774	Three-dimensional atom probe study of FeB-based nanocrystalline soft magnetic materials. *Acta Materialia*, **2009**, 57, 4463-4472	8.4	76
773	Precipitation processes during the early stages of ageing in Al?Cu?Mg alloys. *Applied Surface Science*, **1996**, 94-95, 253-260	6.7	76
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769	Bake-hardenable MgAlZnMnCa sheet alloy processed by twin-roll casting. *Acta Materialia*, **2018** , 158, 278-288	8.4	74
768	Atom Probe Studies of Nanocrystalline Microstructural Evolution in Some Amorphous Alloys. *Materials Transactions, JIM*, **1995**, 36, 909-917		74
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