Tadeusz Kulik

List of Publications by Citations

183 papers	3,019 citations	26 h-index	47 g-index
190 ext. papers	3,255 ext. citations	3.3 avg, IF	5.28 L-index

#	Paper	IF	Citations
183	Analysis of the dependence of spin-spin correlations on the thermal treatment of nanocrystalline materials. *Physical Review B*, **1995**, 51, 3581-3586	3.3	219
182	Exchange interactions through amorphous paramagnetic layers in ferromagnetic nanocrystals. *Physical Review B*, **1994**, 49, 7064-7067	3.3	189
181	Nanocrystallization of metallic glasses. *Journal of Non-Crystalline Solids*, **2001**, 287, 145-161	3.9	179
180	Interdiffusion in the FCC-structured Al-Co-Cr-Fe-Ni high entropy alloys: Experimental studies and numerical simulations. *Journal of Alloys and Compounds*, **2016**, 674, 455-462	5.7	111
179	Superparamagnetism in a nanocrystalline Fe-based metallic glass. *Physical Review B*, **1992**, 46, 14594-14597	3.3	110
178	Influence of Cu content on high temperature oxidation behavior of AlCoCrCuxFeNi high entropy alloys (x´=´0; 0.5; 1). *Intermetallics*, **2017**, 84, 52-61	3.5	84
177	Nanocrystalline FeAl intermetallic produced by mechanical alloying followed by hot-pressing consolidation. *Intermetallics*, **2007**, 15, 201-205	3.5	82
176	Phase transformations during mechanical alloying of Fe□0% Al and subsequent heating of the milling product. *Journal of Alloys and Compounds*, **2006**, 424, 119-127	5.7	73
175	Studies of □luggish diffusion□effect in Co-Cr-Fe-Mn-Ni, Co-Cr-Fe-Ni and Co-Fe-Mn-Ni high entropy alloys; determination of tracer diffusivities by combinatorial approach. *Journal of Alloys and Compounds*, **2018**, 731, 920-928	5.7	69
174	Demystifying the sluggish diffusion effect in high entropy alloys. *Journal of Alloys and Compounds*, **2019**, 783, 193-207	5.7	68
173	Nanocrystalline FeAl matrix composites reinforced with TiC obtained by hot-pressing consolidation of mechanically alloyed powders. *Intermetallics*, **2007**, 15, 1377-1383	3.5	66
172	A high-performance hysteresis loop tracer. *Journal of Applied Physics*, **1993**, 73, 6855-6857	2.5	65
171	The FeAl□0%TiC nanocomposite produced by mechanical alloying and hot-pressing consolidation. *Intermetallics*, **2002**, 10, 371-376	3.5	61
170	Nanocrystalline Al□e intermetallics □ight weight alloys with high hardness. *Intermetallics*, **2010**, 18, 47-50	3.5	57
169	Formation of nickel aluminides by mechanical alloying and thermodynamics of interaction. *Journal of Alloys and Compounds*, **2002**, 336, 196-201	5.7	51
168	The influence of copper, niobium and tantalum additions on the crystallization of Fe?Si?B-based glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1992**, 159, 95-101	5.3	44
167	Nanocrystalline Ni3Al alloy produced by mechanical alloying of nickel aluminides and hot-pressing consolidation. *Journal of Alloys and Compounds*, **2007**, 434-435, 344-347	5.7	42

166	Nanocrystalline and amorphous AlFe alloys containing 60–85% of Al synthesised by mechanical alloying and phase transformations induced by heating of milling products. *Materials Chemistry and Physics*, **2009**, 116, 631-637	4.4	41
165	Correlation between structure and the magnetic properties of amorphous and nanocrystalline Fe73.5Cu1Nb3Si22.5–xBx alloys. *Journal of Magnetism and Magnetic Materials*, **1994**, 133, 310-313	2.8	40
164	Nanocrystalline FeAlTiN composites obtained by hot-pressing consolidation of reactively milled powders. *Scripta Materialia*, **2007**, 57, 553-556	5.6	38
163	Flash annealing nanocrystallization of Fe?Si?B-based glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1992**, 157, 107-112	5.3	38
162	Effect of Cu, Nb and Ta addition on the structural and magnetic properties of amorphous FeSiB alloys. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 492-494	2.8	32
161	FeAlTiN nanocomposite produced by reactive ball milling and hot-pressing consolidation. *Scripta Materialia*, **2003**, 48, 1489-1494	5.6	30
160	Size dependence of coercivity in nanostructured soft alloys. *Physical Review B*, **2004**, 69,	3.3	28
159	High entropy multicomponent WMoNbZrV alloy processed by mechanical alloying. *Materials Letters*, **2018**, 232, 160-162	3.3	26
158	Nanocomposites obtained by mechanical alloying in FeAlTiC system. *Journal of Alloys and Compounds*, **2008**, 448, 227-233	5.7	26
157	Bulk amorphous Al85Fe15 alloy and Al85Fe15-B composites with amorphous or nanocrystalline-matrix produced by consolidation of mechanically alloyed powders. *Intermetallics*, **2011**, 19, 1243-1249	3.5	25
156	Influence of structure on coercivity in nanocrystalline (Fe1–xCox)86Hf7B6Cu1 alloys. *Physica B: Condensed Matter*, **2005**, 370, 151-157	2.8	25
155	Stress annealing in Fe73.5Cu1Ta3Si13.5B9 amorphous alloy: Induced magnetic anisotropy and variation of the magnetostriction constant. *Journal of Applied Physics*, **1994**, 76, 1131-1134	2.5	25
154	Magnetically soft nanomaterials for high-temperature applications. *Journal of Alloys and Compounds*, **2007**, 434-435, 623-627	5.7	24
153	Nanoindentation studies of Zr-based bulk metallic glasses. *Journal of Alloys and Compounds*, **2007**, 441, 62-65	5.7	24
152	Solid state reactions in NiAlTiC system by mechanical alloying. *Journal of Alloys and Compounds*, **2000**, 308, 230-236	5.7	24
151	An equivalent time approach for scaling the mechanical alloying processes. *Intermetallics*, **2008**, 16, 470-478	3.5	22
150	Magnetic properties of two-phase nanocrystalline alloy determined by anisotropy and exchange interactions through amorphous matrix. *Journal of Magnetism and Magnetic Materials*, **1994**, 138, 270-280	2.8	21
149	Evolution of structure in austenitic steel powders during ball milling and subsequent sintering. *Journal of Alloys and Compounds*, **2007**, 434-435, 340-343	5.7	20

148	Structure and magnetic properties of high temperature nanocrystalline Fe□Co□CuNbSiB alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2004**, 375-377, 1078-1082	5.3	20
147	Nanocrystalline Al3Ni2 alloy with high hardness produced by mechanical alloying and high-pressure hot-pressing consolidation. *Intermetallics*, **2013**, 42, 35-40	3.5	19
146	Nanocrystalline or amorphous matrix Al60Fe15Ti15(Co/Mg/Zr)5%B composites produced by consolidation of mechanically alloyed powders lightweight materials with high hardness. *Intermetallics*, **2012**, 28, 120-127	3.5	19
145	Thermal and magnetic properties of Hf-containing HITPERM alloys. *Journal of Magnetism and Magnetic Materials*, **2007**, 308, 227-232	2.8	19
144	Effect of flash annealing on the grain size and morphology of crystallization products of Co-Si-B glasses. *Journal of Materials Science Letters*, **1993**, 12, 76		18
143	Influence of annealing on magnetic properties of Co-based metallic glasses. *Journal of Magnetism and Magnetic Materials*, **1984**, 43, 135-142	2.8	17
142	Effect of Co addition on nanocrystallization and soft magnetic properties of (Fe1□Co)73.5Cu1Nb3Si13.5B9 alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1447-1448	2.8	16
141	Magnetically soft nanomaterials for high-temperature applications. *IEEE Transactions on Magnetics*, **2002**, 38, 3075-3077	2	16
140	Microstructural transformation and magnetic properties of annealed CoNbCuSiB alloy. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 495-498	2.8	16
139	Magnetic properties of nanocrystalline Fe73.5Cu1Nb3Si16.5B6. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 433-434	2.8	16
138	Relation of various GFA indicators to the critical diameter of Zr-based BMGs. *Journal of Alloys and Compounds*, **2015**, 625, 13-17	5.7	15
137	Nanocrystalline phase obtained by mechanical alloying of Al60Fe15Si15Ti10 powder mixture followed by consolidation. *Journal of Alloys and Compounds*, **2009**, 483, 186-189	5.7	15
136	Effect of substitution of rare earth by mischmetal on the devitrification process of AlXNiCo (X=Y, Ce, Mm) alloys. *Journal of Non-Crystalline Solids*, **2005**, 351, 158-166	3.9	15
135	Supersaturated solid solution obtained by mechanical alloying of 75% Fe, 20% Ge and 5% Nb mixture at different milling intensities. *Journal of Alloys and Compounds*, **2009**, 469, 169-178	5.7	14
134	High-frequency soft magnetic properties of Finemet modified with Co. *Journal of Magnetism and Magnetic Materials*, **2007**, 316, e820-e822	2.8	14
133	Thermal stability and magnetic properties of CoFeHfTiMoB bulk metallic glass. *Intermetallics*, **2006**, 14, 1066-1068	3.5	14
132	Temperature of nanocrystallisation of magnetically soft alloys for high-temperature applications. *Journal of Materials Processing Technology*, **2005**, 162-163, 215-219	5.3	14
131	Nanocrystallization and Structure of Fe73.5Cu1Nb3Si22.5-xBx Alloys. *Materials Science Forum*, **1995** , 179-181, 587-592	0.4	14

130	Thermal stability of amorphous Co-Fe-B, Co-Si-B and Co-Fe-Si-B alloys. *Journal of Materials Science*, **1980**, 15, 2396-2398	4.3	14
129	Nanocrystalline NiAl intermetallic alloy with high hardness produced by mechanical alloying and hot-pressing consolidation. *Advanced Powder Technology*, **2019**, 30, 1312-1318	4.6	13
128	TiCAl composites with nanocrystalline matrix produced by consolidation of milled powders. *Advanced Powder Technology*, **2015**, 26, 1269-1272	4.6	13
127	New FeCrMoCaC composites with high compressive strength and large plasticity. *Acta Materialia*, **2007**, 55, 3513-3520	8.4	13
126	Magnetic properties of HITPERM-type alloys at high temperature. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e651-e653	2.8	13
125	Effect of the substitution of Fe by Co on the magnetic properties and microstructure of nanocrystalline (Fe1CoCox)86Hf7B6Cu1 alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 284, 86-91	2.8	13
124	Magnetic properties at elevated temperatures of Co substituted Finemet alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 1110-1115	5.3	13
123	Influence of the preparation conditions on the magnetic properties and electrical resistivity of Fe73.5Nb3Cu1Si13.5B9 nanocrystalline alloys. *Journal of Magnetism and Magnetic Materials*, **1994**, 133, 314-316	2.8	13
122	Effect of flash- and furnace annealing on the magnetic and mechanical properties of metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 133, 232-235	5.3	13
121	Correlation between microstructure and magnetic properties of amorphous and nanocrystalline Fe73.5Cu1Nb3Si16.5B6. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 701-705	5.3	12
120	Dependence of magnetic properties of the FeCoCuNbSiB nanocrystalline alloys on magnetic field frequency and temperature. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 1072-1077	5.3	12
119	Nanocrystalline matrix Al3Ni2Al Al3Ni composites produced by reactive hot-pressing of milled powders. *Intermetallics*, **2014**, 54, 193-198	3.5	11
118	Al3Ni2Al composites with nanocrystalline intermetallic matrix produced by consolidation of milled powders. *Advanced Powder Technology*, **2014**, 25, 1362-1368	4.6	11
117	Nanocrystalline Ni3Al intermetallic produced by hot-pressing consolidation of mechanically alloyed powders. *Intermetallics*, **2013**, 42, 41-44	3.5	11
116	Correlation between microstructure and temperature dependence of magnetic properties in Fe60Co18(Nb,Zr)6B15Cu1 alloy series. *Journal of Applied Physics*, **2009**, 105, 093928	2.5	11
115	Tailoring soft and hard magnets by annealing Co-based metallic glass. *Journal of Magnetism and Magnetic Materials*, **1998**, 190, 267-276	2.8	11
114	Structure and magnetic properties of bulk amorphous Fe60Co10Ni10Zr7B13 alloy formed by mechanical synthesis and hot pressing. *Journal of Non-Crystalline Solids*, **2003**, 330, 75-80	3.9	11
113	Magnetic properties of Fe76.5CuNbxSi13.5B9 alloys nanocrystallized from amorphous state. *Journal of Magnetism and Magnetic Materials*, **1996**, 160, 269-270	2.8	11

112	Mössbauer study on amorphous and nanocrystalline (Fe1−xCox)86Hf7B6Cu1 alloys. *Materials Characterization*, **2007**, 58, 143-147	3.9	10
111	Microstructure and mechanical properties of bulk nanocrystalline Al88Mm5Ni5Fe2 alloy consolidated at high pressure. *Intermetallics*, **2007**, 15, 891-900	3.5	10
110	Magnetoelastic properties of HITPERM-type Fe41,5Co41,5Cu1Nb3B13 nanocrystalline alloy. *Journal of Magnetism and Magnetic Materials*, **2006**, 304, e624-e626	2.8	10
109	Nanocrystallization of Al–Mm–Ni–(Fe, Co) alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 956-960	5.3	10
108	Magnetic properties of partially crystallised Fe–Co–Hf–Zr–B–Cu alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1469-1470	2.8	10
107	Magnetization of amorphous and crystalline Co?Si?B alloys. *Materials Science and Engineering*, **1988**, 99, 77-80		10
106	Bulk amorphous and nanocrystalline Al83Fe17 alloys prepared by consolidation of mechanically alloyed amorphous powder. *Journal of Alloys and Compounds*, **2010**, 495, 382-385	5.7	9
105	Ni59Zr20Ti16Si5 bulk amorphous alloy obtained by mechanical alloying and powder consolidation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2007**, 449-451, 1127-1130	5.3	9
104	Evaluation on the reliability of criterions for glass-forming ability of Fe(Co)-based bulk metallic glasses. *Journal of Materials Processing Technology*, **2008**, 204, 465-468	5.3	9
103	Formation and magnetic properties of Co–Fe-based bulk metallic glasses with supercooled liquid region. *Journal of Magnetism and Magnetic Materials*, **2006**, 299, 492-495	2.8	9
102	A direct extension of the Avrami equation to describe the non-isothermal crystallization of Al-base alloys. *Journal of Alloys and Compounds*, **2007**, 434-435, 187-189	5.7	9
101	Evolution of the hyperfine and magnetoelastic parameters in the course of crystallization process in niobium-free FINEMET-type alloy. *Journal of Magnetism and Magnetic Materials*, **2002**, 250, 83-91	2.8	9
100	Stimulation of shear-transformation zones in metallic glasses by cryogenic thermal cycling. *Journal of Non-Crystalline Solids*, **2020**, 548, 120299	3.9	9
99	FeAl-B composites with nanocrystalline matrix produced by consolidation of mechanically alloyed powders. *Journal of Alloys and Compounds*, **2019**, 791, 75-80	5.7	8
98	Nanocrystalline Ni3Al-based alloys obtained by recycling of aluminium scraps via mechanical alloying and consolidation. *Advanced Powder Technology*, **2016**, 27, 305-311	4.6	8
97	Structure and magnetic properties of mechanically alloyed Ni–Fe and Co–Fe alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 440-443	5.3	8
96	Magnetic and transport properties of nanocrystallizing supercooled amorphous alloy Fe74Al4Ga2P11B4Si4Cu1. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 377-380	5.3	8
95	Effect of quenching rate on crystallization in Fe73.5Si13.5B9Cu1Nb3 alloy. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 372-374	2.8	8

94	Effect of quenching rate on magnetic properties and local magnetic anisotropy in Fe78Si9B13 glass. *Journal of Magnetism and Magnetic Materials*, **2000**, 215-216, 455-458	2.8	8
93	Annealing Temperature Dependence of Size, Morphology and Composition of Primary Crystals Created in Fe76.5Cu1Si13.5B9 Glass. *Materials Science Forum*, **1998**, 269-272, 707-712	0.4	8
92	Mössbauer study of the structure and stability of amorphous Fe77.5MxNySi13.5B9 alloys. *Journal of Magnetism and Magnetic Materials*, **1992**, 117, 219-224	2.8	8
91	Nanocrystalline matrix TiAl3Ti and TiAl3TiAl composites produced by reactive hot-pressing of milled powders. *Advanced Powder Technology*, **2014**, 25, 1082-1086	4.6	7
90	Structure and magnetic properties of FeNbB amorphous/nanocrystalline alloys produced by compaction of mechanically alloyed powders. *Journal of Applied Physics*, **2010**, 107, 073901	2.5	7
89	Thermal and microstructural stability of the soft magnetic Fe60Co18Nb6B15Cu1 alloy. *Journal of Non-Crystalline Solids*, **2007**, 353, 872-874	3.9	7
88	Glass formation and sluggish nucleation: Growth in ternary eutectic CoHfB system. *Journal of Non-Crystalline Solids*, **2005**, 351, 1696-1700	3.9	7
87	Transport study of nanocrystalline alloys Fe73.5Cu1Nb3Si22-xBx. *Scripta Materialia*, **1995**, 6, 497-500		7
86	Low Temperature Nanocrystallization of Iron-Based Amorphous Alloys. *Materials Science Forum*, **1996**, 235-238, 421-426	0.4	7
85	The supercooled liquid region span of Fe-based bulk metallic glasses. *Journal of Alloys and Compounds*, **2010**, 495, 327-329	5.7	6
84	High temperature coercivity of Nb-containing HITPERM alloys: Effect of Cu addition. *Materials Letters*, **2008**, 62, 780-783	3.3	6
83	Formation of stable and metastable phases in NiAlNb and NiAlMeC (Me=Ti, Nb or V) powder systems during mechanical alloying and thermal treatment. *Journal of Alloys and Compounds*, **2002**, 333, 225-230	5.7	6
82	Magnetic and electron transport study of nanocrystalline alloys. *Journal of Magnetism and Magnetic Materials*, **1995**, 140-144, 419-420	2.8	6
81	Study of nanocrystalline Fe/sub 73.5/Cu/sub 1/Nb/sub 3/Si/sub 16.5/B/sub 6/ ribbons by high-resolution /spl Delta/E measurements. *IEEE Transactions on Magnetics*, **1995**, 31, 3895-3897	2	6
80	Ultrasonic vibrations as an impulse for glass transition in microforming of bulk metallic glass. *Archives of Civil and Mechanical Engineering*, **2019**, 19, 100-113	3.4	6
79	Zirconium purity influence on the critical diameter and thermal indicators of the Zr48Cu36Al9Ag7 alloy. *Journal of Non-Crystalline Solids*, **2019**, 509, 80-87	3.9	5
78	Magnetostrictive Iron-Based Bulk Metallic Glasses for Force Sensors. *IEEE Transactions on Magnetics* , **2014**, 50, 1-3	2	5
77	Magnetic study of Hitperm alloys (Fe0.5Co0.5)1 Mx By Cuz (M = Hf, Zr, Nb). *Physica Status Solidi (A) Applications and Materials Science*, **2006**, 203, 1561-1566	1.6	5

76	Influence of mechanical grinding on the structure and magnetic properties of FeCuNbSiB material. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1131-E1133	2.8	5
75	Mössbauer and magnetoelastic investigations of the surface effects in Fe72Cu1.5Nb4Si13.5B9 nanocrystalline alloy. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1443-1444	2.8	5
74	Influence of intrinsic and induced anisotropy on magnetoimpedance effect in amorphous CO67Fe4Mo1.5Si16.5B11. *Journal of Magnetism and Magnetic Materials*, **2003**, 254-255, 498-500	2.8	5
73	Electron transport study of nanocrystallization in Fe?Si?B based alloys. *Scripta Materialia*, **1994**, 4, 707-721		5
72	Effect of ribbon dimensions on the magnetic properties of metallic glasses. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1991**, 133, 236-240	5.3	5
71	NiAl-B composites with nanocrystalline intermetallic matrix produced by mechanical alloying and consolidation. *Advanced Powder Technology*, **2019**, 30, 2742-2750	4.6	4
70	Formation and properties of the Zr75□AlxNi10Cu10Ti5 bulk metallic glasses. *Journal of Alloys and Compounds*, **2009**, 483, 47-49	5.7	4
69	Magnetically soft nanomaterials for high-temperature applications. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 449-451, 397-400	5.3	4
68	rf-Mössbauer study of the magnetic properties of nanocrystalline FeNiZrB and FeNiCoZrB alloys. *Journal of Applied Physics*, **2006**, 99, 08F112	2.5	4
67	Microstructure and magnetic properties of Fe85□Co Nb5B8P2 high temperature nanocrystalline alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, 1506-1507	2.8	4
66	Nanostructured Al-Mm-Ni-(Fe,Co) Alloys Produced by Devitrification. *Solid State Phenomena*, **2003**, 94, 71-74	0.4	4
65	Crystallization Kinetics of Al-Mm-Ni-(Co,Fe) Alloys. *Solid State Phenomena*, **2005**, 101-102, 265-268	0.4	4
64	The effect of plastic deformation of amorphous Pd-Si alloys on their thermal properties. *Journal of Materials Science*, **1980**, 15, 3169-3172	4.3	4
63	Structure, thermal stability and magnetic properties of mechanically alloyed (Fe-Al)-30vol%B powders. *Journal of Alloys and Compounds*, **2019**, 776, 215-223	5.7	4
62	W-Y2O3 composites obtained by mechanical alloying and sintering. *Advanced Powder Technology*, **2021**, 32, 390-397	4.6	4
61	Isothermal Stability and Selected Mechanical Properties of Zr48Cu36Al8Ag8 Bulk Metallic Glass. *Archives of Metallurgy and Materials*, **2017**, 62, 1749-1753		3
60	Structure and magnetic properties of magnetostrictive rapidly-quenched alloys for force sensors applications. *Journal of Physics: Conference Series*, **2009**, 144, 012062	0.3	3
59	Nanocrystalline Ni3Al-based alloys produced by mechanical alloying of Ni-Al-Co powders and consolidation. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, 1384-1387		3

58	Fabrication and structure of bulk nanocrystalline Al88Si4Ni4 mishmetal alloys. *Journal of Alloys and Compounds*, **2007**, 434-435, 272-274	5.7	3
57	Bulk amorphous cast iron with small boron addition, produced by powder compaction at high pressure. *Journal of Alloys and Compounds*, **2005**, 395, 59-62	5.7	3
56	Soft magnetic properties of the amorphous Fe63Ni7Zr10B20 and Fe53Ni7Co10Zr10B20 alloys. *Journal of Magnetism and Magnetic Materials*, **2004**, 272-276, E1141-E1143	2.8	3
55	Crystallisation behaviour of rapidly quenched cast irons with small amount of boron. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 722-727	5.3	3
54	Investigations of effective magnetic anisotropy and magnetostriction of amorphous and nanocrystalline Fe71.5Cu1Nb3Al2Si13.5B9 alloy by FMR. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 1173-1176	5.3	3
53	Mechanochemical Synthesis of Mo-Doped Nickel Aluminides. *Inorganic Materials*, **2002**, 38, 900-904	0.9	3
52	Influence of measuring temperature in size dependence of coercivity in nanostructured alloys. *Journal of Magnetism and Magnetic Materials*, **2005**, 290-291, 171-174	2.8	3
51	Resistometric study of nanocrystallization kinetics in Fe-based metallic glasses. *Scripta Materialia*, **1994**, 4, 865-875		3
50	Nanocrystallisation of Soft Magnetic Fe-Co-Zr-Cu-B Alloys. *Acta Physica Polonica A*, **2002**, 102, 323-328	0.6	3
49	Entropy Change Calculations for Pure Gd and a Ni-Mn-Cu-Ga Heusler Alloy: Constant Field vs. Constant Temperature Experiment. *Acta Physica Polonica A*, **2015**, 128, 111-115	0.6	3
48	Oxidation Behavior of Alx(CoCrFeNi)100-x High-Entropy Alloys Under Thermal-Cycling Conditions. *Oxidation of Metals*, **2021**, 96, 307-321	1.6	3
47	Nanocrystalline Al5Fe2 intermetallic and Al5Fe2–Al composites manufactured by high-pressure consolidation of milled powders. *Journal of Alloys and Compounds*, **2016**, 656, 82-87	5.7	2
46	Improvement of magnetocaloric properties of Gd-Ge-Si alloys by alloying with iron. *EPJ Web of Conferences*, **2013**, 40, 06005	0.3	2
45	Crystallisation of Amorphous Al60Fe20Ti15Ni5 Alloy Produced by Mechanical Alloying. *Solid State Phenomena*, **2010**, 163, 243-246	0.4	2
44	Influence of Sn Addition on the Amorphization and Thermal Stability of CuTiZrNi Powders Processed by Mechanical Alloying. *Materials Science Forum*, **2010**, 636-637, 917-921	0.4	2
43	Nanocrystalline Al-based alloys – lightweight materials with attractive mechanical properties. *Journal of Physics: Conference Series*, **2009**, 144, 012083	0.3	2
42	Analysis of the mechanically alloyed Fe85Nb5B10 powder using a non-unique lattice parameter. *Journal of Non-Crystalline Solids*, **2008**, 354, 5132-5134	3.9	2
41	Ni59Zr20Ti16Sn5 amorphous alloy obtained by melt spinning and mechanical alloying. *Journal of Non-Crystalline Solids*, **2007**, 353, 845-847	3.9	2

40	Structure and high temperature magnetic properties of nanocrystalline (Fe0.6Co0.4)86Hf7B6Cu1 alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 426, 169-172	5.3	2
39	Magnetically Soft Nanocrystalline Powders of Fe73.5Cu1Nb3Si13.5B9 Obtained by Mechanical Alloying and Ball Milling. *Journal of Metastable and Nanocrystalline Materials*, **2003**, 15-16, 659-664	0.2	2
38	Magnetic Properties and Stability of Magnetically Soft Nanomaterials for High-Temperature Applications. *Journal of Metastable and Nanocrystalline Materials*, **2004**, 20-21, 747-752	0.2	2
37	The Influence of Nanocrystallization Process on Magnetoelastic and Structural Properties of Fe73.5Nb3Cu1Si16.5-xB6+x (x=0; 3) Alloys. *European Physical Journal D*, **2004**, 54, 173-176		2
36	Effect of the quenching rate on the magnetic permeability of annealed non-magnetostrictive Co?Fe?Mn?Mo?Si?B glass. *Journal of Magnetism and Magnetic Materials*, **1992**, 109, 228-236	2.8	2
35	Glass forming ability of Zr48Cu36Al16-xAgx alloys determined by three different methods. *Journal of Non-Crystalline Solids*, **2019**, 515, 106-112	3.9	1
34	Bulk amorphous Ni59Zr20Ti16Sn5 alloy fabricated by powder compaction. *Journal of Alloys and Compounds*, **2009**, 483, 162-164	5.7	1
33	Structure and thermal stability of melt spun and mechanically alloyed Cu47Ti34Zr11Ni8and Cu47Ti34Sn11Ni8alloys. *Journal of Physics: Conference Series*, **2009**, 144, 012023	0.3	1
32	Bulk Nanostructured Al-Si-Ni-Mishmetal Alloys Produced by High-Pressure Hot Compaction. *Solid State Phenomena*, **2007**, 130, 189-192	0.4	1
31	Crystallisation and magnetic behaviour of amorphous and nanocrystalline Fe81 Nix Coy Zr7B12 alloys. *Physica Status Solidi (A) Applications and Materials Science*, **2007**, 204, 3179-3192	1.6	1
30	Structure and magnetoelastic properties of partially nanocrystallized Fe73.5Nb3Cu1Si16.5B6 alloy. *Physica Status Solidi A*, **2004**, 201, 3305-3308		1
29	Magnetically Soft Fe-Co-Based Nanocrystalline Alloys. *Solid State Phenomena*, **2003**, 94, 67-70	0.4	1
28	Structural Changes in High Speed Steel Powders Subjected to Ball Milling. *Journal of Metastable and Nanocrystalline Materials*, **2005**, 24-25, 585-588	0.2	1
27	Magnetically Soft Nanocrystalline Materials Obtained by Devitrification of Metallic Glasses **2005**, 47-57		1
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