Mieczyslaw Jurczyk

List of Publications by Citations

185 papers	2,324 citations	23 h-index	33 g-index
192 ext. papers	2,488 ext. citations	4.1 avg, IF	5.05 L-index

#	Paper	IF	Citations
185	Hydriding properties of nanocrystalline Mg2MxNi alloys synthesized by mechanical alloying (M=Mn, Al). *Journal of Alloys and Compounds*, **2004**, 364, 283-288	5.7	87
184	Fabrication and properties of titaniumhydroxyapatite nanocomposites. *Materials Chemistry and Physics*, **2010**, 123, 160-165	4.4	82
183	Nanoscale Mg-based materials for hydrogen storage. *International Journal of Hydrogen Energy*, **2008**, 33, 374-380	6.7	78
182	Magnetic behavior of R1.9Zr0.1Fe14B and R1.9Zr0.1Fe12Co2B compounds. *Journal of Magnetism and Magnetic Materials*, **1986**, 59, L182-L184	2.8	63
181	Properties of AlAl2O3 composites synthesized by spark plasma sintering method. *Archives of Civil and Mechanical Engineering*, **2015**, 15, 933-939	3.4	41
180	Nanocrystalline titanium-type metal hydride electrodes prepared by mechanical alloying. *Journal of Alloys and Compounds*, **2002**, 336, 265-269	5.7	41
179	Hydrogenation and electrochemical studies of LaMgNi alloys. *International Journal of Hydrogen Energy*, **2017**, 42, 1436-1443	6.7	39
178	Nanostructured titanium-45S5 Bioglass scaffold composites for medical applications. *Materials & Design*, **2011**, 32, 4882-4889		38
177	Synergistic effects of multiwalled carbon nanotubes and Al on the electrochemical hydrogen storage properties of Mg 2 Ni-type alloy prepared by mechanical alloying. *International Journal of Hydrogen Energy*, **2012**, 37, 1538-1545	6.7	35
176	Structural characterization and electrochemical hydrogen storage properties of Mg2Ni1Mnx(x=0, 0.125, 0.25, 0.375) alloys prepared by mechanical alloying. *International Journal of Hydrogen Energy*, **2010**, 35, 6794-6803	6.7	33
175	The electronic and electrochemical properties of the LaNi5, LaNi4Al and LaNi3AlCo systems. *Journal of Alloys and Compounds*, **2000**, 307, 290-296	5.7	31
174	Magnetic properties of nanocomposite and materials with an excess of Fe. *Journal Physics D: Applied Physics*, **1996**, 29, 2284-2289	3	31
173	Magnetic studies of RCo12B6 compounds (R=Y, Ce, Pr, Nd, Sm, Gd and Dy). *Journal of Magnetism and Magnetic Materials*, **1987**, 67, L1-L3	2.8	31
172	Synthesis and characterization of titanium-45S5 Bioglass nanocomposites. *Materials & Design*, **2011**, 32, 2554-2560		29
171	Electrode characteristics of nanocrystalline TiFe-type alloys. *Journal of Alloys and Compounds*, **2003**, 354, L1-L4	5.7	29
170	Metal hydride electrodes prepared by mechanical alloying of ZrV2-type materials. *Journal of Alloys and Compounds*, **1999**, 285, 250-254	5.7	29
169	Hydrogen storage by Mg-based nanocomposites. *International Journal of Hydrogen Energy*, **2012**, 37, 3652-3658	6.7	26

168	Structure and magnetism of the YFe10−CoxV2 system. *Journal of Magnetism and Magnetic Materials*, **1989**, 82, 239-242	2.8	26
167	Mechanoelectrochemical synthesis of porous Ti-based nanocomposite biomaterials. *Electrochemistry Communications*, **2009**, 11, 461-465	5.1	25
166	Nanocomposite Nd2(Fe,Co,Cr)14B/−Fe materials. *Journal of Magnetism and Magnetic Materials*, **1998**, 185, 66-70	2.8	25
165	Electrochemical and electronic properties of nanocrystalline Mg-based hydrogen storage materials. *Journal of Alloys and Compounds*, **2007**, 436, 345-350	5.7	25
164	Mechanically alloyed MmNi5-type materials for metal hydride electrodes. *Journal of Alloys and Compounds*, **1999**, 290, 262-266	5.7	25
163	XPS valence band studies of hydrogen storage nanocomposites. *International Journal of Hydrogen Energy*, **2012**, 37, 3659-3664	6.7	23
162	Plasma surface modification of titanium by TiB precipitation for biomedical applications. *Surface and Coatings Technology*, **2011**, 206, 330-337	4.4	23
161	Nanocrystalline materials for Ni−MH batteries. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2004**, 108, 67-75	3.1	23
160	Nanocrystalline LaNi5-type electrode materials for Ni-MHx batteries. *Journal of Solid State Chemistry*, **2003**, 171, 30-37	3.3	23
159	Magnetic properties of RFe10.8Re1.2 compounds (R = Y, Tb and Ho). *Journal of Magnetism and Magnetic Materials*, **1990**, 89, L5-L7	2.8	23
158	The electronic and electrochemical properties of the TiFe-based alloys. *Journal of Alloys and Compounds*, **2003**, 348, 285-292	5.7	22
157	Surface analysis of polycrystalline and nanocrystalline LaNi5-type alloys. *Journal of Alloys and Compounds*, **2000**, 313, 192-200	5.7	22
156	Hydrogen storage and electrochemical properties of mechanically alloyed La1.5-xGdxMg0.5Ni7 (0 ≤ x ≤1.5). *International Journal of Hydrogen Energy*, **2018**, 43, 8897-8906	6.7	21
155	Structural and electrochemical hydrogen storage properties of MgTiNix (x=0.1, 0.5, 1, 2) alloys prepared by ball milling. *International Journal of Hydrogen Energy*, **2016**, 41, 11761-11766	6.7	21
154	Mg2−TixNi (x=0, 0.5) alloys prepared by mechanical alloying for electrochemical hydrogen storage: Experiments and first-principles calculations. *International Journal of Hydrogen Energy*, **2012**, 37, 14248-14256	6.7	21
153	Synthesis and electrochemical properties of high-energy ball-milled Laves phase (Zr,Ti)(V,Mn,Cr)2 alloys with nickel powder. *Journal of Alloys and Compounds*, **1998**, 274, 299-302	5.7	21
152	XPS Valence band and segregation effect in nanocrystalline Mg2NiMg2Ni-type materials. *International Journal of Hydrogen Energy*, **2008**, 33, 387-392	6.7	21
151	Electronic structure of nanocrystalline and polycrystalline hydrogen storage materials. *Renewable Energy*, **2008**, 33, 201-210	8.1	21

150	Encapsulation of La1.5Mg0.5Ni7 nanocrystalline hydrogen storage alloy with Ni coatings and its electrochemical characterization. *Journal of Alloys and Compounds*, **2018**, 749, 534-542	5.7	20
149	Structure and electrochemical properties of the mechanically alloyed La(Ni,M)5 materials. *Journal of Alloys and Compounds*, **2002**, 339, 339-343	5.7	20
148	Magnetic properties of nanostructured Nd2(Fe,Co,Cr)14B/□Fe magnets. *Journal of Alloys and Compounds*, **1999**, 283, 307-310	5.7	20
147	Nanostructured nickel-free austenitic stainless steel composites with different content of hydroxyapatite. *Applied Surface Science*, **2012**, 260, 80-83	6.7	19
146	Application of high energy ball milling to the production of magnetic powders from NdFeB-type alloys. *Journal of Alloys and Compounds*, **1995**, 217, 65-68	5.7	19
145	Hydrogenation properties of nanostructured Ti2Ni-based alloys and nanocomposites. *Journal of Power Sources*, **2015**, 280, 435-445	8.9	18
144	In vitro biocompatibility of Ti-45S5 bioglass nanocomposites and their scaffolds. *Journal of Biomedical Materials Research - Part A*, **2014**, 102, 1316-24	5.4	18
143	Electrode characteristics of nanocrystalline (Zr, Ti)(V, Cr, Ni)2.41 compound. *Journal of Power Sources*, **2001**, 93, 77-81	8.9	18
142	Effect of substitution of Al and Mo on the magnetic properties of R2Fe12□TxCo2B (R=synthetic mischmetal, didymium and neodymium). *Journal of Magnetism and Magnetic Materials*, **1988**, 73, 199-204	2.8	18
141	On the magnetic behavior of Nd/sub 2/Fe/sub 12-x/T/sub x/Co/sub 2/B compounds (T=Al, V, Cr). *IEEE Transactions on Magnetics*, **1988**, 24, 1942-1944	2	18
140	Nanoscale size effect in in situ titanium based composites with cell viability and cytocompatibility studies. *Materials Science and Engineering C*, **2017**, 73, 525-536	8.3	17
139	3D surface topography study of the biofunctionalized nanocrystalline Ti□Zr□Nb/Ca□. *Materials Characterization*, **2012**, 70, 55-62	3.9	17
138	Structural characterization and electrochemical hydrogen storage properties of Ti2□ZrxNi (x□=□0, 0.1, 0.2) alloys prepared by mechanical alloying. *International Journal of Hydrogen Energy*, **2013**, 38, 12126-12132	6.7	17
137	Nickel□metal hydride battery using nanocrystalline TiFe-type hydrogen storage alloys. *Journal of Alloys and Compounds*, **2005**, 404-406, 691-693	5.7	17
136	Improved temperature and corrosion behaviour of nanocomposite Nd2(Fe,Co,M)14B/□Fe magnets. *Journal of Alloys and Compounds*, **2000**, 311, 292-298	5.7	17
135	Effect of silicon additions on the magnetic properties of Nd2Fe12Co2B alloy. *Journal of Magnetism and Magnetic Materials*, **1987**, 68, 331-334	2.8	17
134	Nanostructured Titanium-10 wt% 45S5 Bioglass-Ag Composite Foams for Medical Applications. *Materials*, **2015**, 8, 1398-1412	3.5	16
133	Antibacterial activity of nanostructured Ti□45S5 bioglass□Ag composite against Streptococcus mutans and Staphylococcus aureus. *Transactions of Nonferrous Metals Society of China*, **2016**, 26, 118-125	3.3	16

132	Titanium10wt% 45S5 Bioglass nanocomposite for biomedical applications. *Materials Chemistry and Physics*, **2011**, 131, 540-546	4.4	16
131	Electrochemical performance of sealed NiMH batteries using nanocrystalline TiNi-type hydride electrodes. *Renewable Energy*, **2008**, 33, 211-215	8.1	16
130	Electrochemical and electronic properties of nanocrystalline TiNi1Mx (M=Mg, Mn, Zr; x=0, 0.125, 0.25) ternary alloys. *Journal of Alloys and Compounds*, **2005**, 403, 323-328	5.7	16
129	The synthesis and properties of nanocrystalline electrode materials by mechanical alloying. *Journal of Physics and Chemistry of Solids*, **2004**, 65, 545-548	3.9	16
128	Nanocomposite NdFeB type magnets. *Journal of Alloys and Compounds*, **2000**, 299, 283-286	5.7	16
127	Nd1.9M0.1Fe12Co2B, M = Ti or Hf as a material for permanent magnets. *Journal of Magnetism and Magnetic Materials*, **1987**, 67, 187-189	2.8	16
126	Development of type Ti-x at. % Mo alloys by mechanical alloying and powder metallurgy: Phase evolution and mechanical properties (10 x 35). *Journal of Alloys and Compounds*, **2019**, 776, 370-378	5.7	16
125	Electrochemical behavior of nanocrystalline TiNi doped by MWCNTs and Pd. *Renewable Energy*, **2014**, 62, 432-438	8.1	15
124	Hydrogen storage properties of amorphous and nanocrystalline MmNi4.2Al0.8 alloys. *Journal of Alloys and Compounds*, **2000**, 307, 279-282	5.7	15
123	Magnetic properties of Nd2Fe14 x Six B compounds. *Physica Status Solidi A*, **1987**, 101, K65-K68		15
122	The phase transformation and electrochemical properties of TiNi alloys with Cu substitution: Experiments and first-principle calculations. *International Journal of Hydrogen Energy*, **2017**, 42, 1444-1450	6.7	14
121	TitaniumSiO2 nanocomposites and their scaffolds for dental applications. *Materials Characterization*, **2013**, 77, 99-108	3.9	14
120	Effect of multi-walled carbon nanotubes and palladium addition on the microstructural and electrochemical properties of the nanocrystalline Ti2Ni alloy. *International Journal of Hydrogen Energy*, **2015**, 40, 3288-3299	6.7	14
119	Nanocrystalline LaNi4.2Al0.8 prepared by mechanical alloying and annealing and its hydride formation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 303, 70-76	5.3	14
118	Spin re-orientations in Nd(Fe,Co)10V2 system. *Journal of Magnetism and Magnetic Materials*, **1991**, 94, L6-L10	2.8	14
117	Magnetic properties of the R2Fe12 xMnxCo2B systems (R ? Pr, Nd, Gd). *Journal of the Less Common Metals*, **1986**, 124, 149-154		14
116	Effect of substitution La by Mg on electrochemical and electronic properties in La2Mg Ni7 alloys: a combined experimental and ab initio studies. *Journal of Alloys and Compounds*, **2018**, 763, 951-959	5.7	13
115	Thermodynamic and electrochemical properties of nanocrystalline Mg2Cu-type hydrogen storage materials. *Journal of Alloys and Compounds*, **2007**, 429, 316-320	5.7	13

114	Electrochemical behaviour of high-energy ball-milled TiFe alloy. *Journal of Alloys and Compounds*, **2002**, 346, L1-L3	5.7	13
113	Magnetic behaviour of YFe10.8 xCoxT1.2 systems (T ? W and Re). *Journal of the Less Common Metals*, **1990**, 166, 335-341		13
112	Magnetic properties of nanocomposite Nd2(Fe,Co,M)14B/Fe-bonded magnets. *Journal of Alloys and Compounds*, **1998**, 269, 284-287	5.7	12
111	The Manufacturing of Titanium-Hydroxyapatite Nanocomposites for Bone Implant Applications. *Nanopages*, **2006**, 1, 219-229	0	12
110	The electronic and electrochemical properties of the LaNi5-based alloys. *Physica Status Solidi A*, **2003**, 196, 252-255		12
109	Electrochemical properties of sealed NiMH batteries using nanocrystalline TiFe-type anodes. *Journal of Alloys and Compounds*, **2004**, 372, L9-L12	5.7	12
108	Structure and Electronic Properties of La(Ni,Al)5 Alloys. *Crystal Research and Technology*, **2001**, 36, 1385	1.3	12
107	Note on the crystallographic and magnetic properties of YCo10V2. *Physica Status Solidi A*, **1989**, 115, K229-K231		12
106	Magnetic studies of YCo12 Vx compounds. *Journal of Magnetism and Magnetic Materials*, **1990**, 87, 1-4	2.8	12
105	Magnetic and crystallographic properties of substituted didymium2Fe12 TxCo2B compounds (T = Si, V, Cr, Ta and W). *Journal of Magnetism and Magnetic Materials*, **1988**, 73, 367-371	2.8	12
104	Microstructural Development of TiB Alloyed Layer for Hard Tissue Applications. *Journal of Materials Science and Technology*, **2013**, 29, 565-572	9.1	11
103	Characterization and first principle study of ball milled TiNi with Mg doping as hydrogen storage alloy. *International Journal of Hydrogen Energy*, **2014**, 39, 9735-9743	6.7	11
102	Nanocrystalline LaNi4 Mn0.75Al0.25Cox electrode materials prepared by mechanical alloying (0 1.0). *Journal of Alloys and Compounds*, **2002**, 340, 281-285	5.7	11
101	Temperature dependence of magnetic properties for nanocomposite Nd2(Fe,Co,M)14B/Fe magnets. *Journal of Magnetism and Magnetic Materials*, **2000**, 208, 163-168	2.8	11
100	Remanence enhanced Nd2Fe14B/Fe and Nd(Fe, Mo)12N /Fe type magnetic powders produced by high-energy ball-milling. *Journal of Alloys and Compounds*, **1996**, 235, 232-236	5.7	11
99	Magnetism of Nd2Fe12-xMnxCo2B alloys. *IEEE Transactions on Magnetics*, **1986**, 22, 755-756	2	11
98	Magnetic properties of substituted Pr2(Co1 Mx)17 compounds (M = Fe, Mn, and Cr). *Physica Status Solidi A*, **1983**, 80, 657-662		11
97	Nanomaterials Synthesis Methods75-98		11

96	The Effects of Hydroxyapatite Addition on the Properties of the Mechanically Alloyed and Sintered Mg-RE-Zr Alloy. *Journal of Materials Engineering and Performance*, **2016**, 25, 4469-4477	1.6	10
95	Development of Type Ti23Mo-45S5 Bioglass Nanocomposites for Dental Applications. *Materials*, **2015**, 8, 8032-8046	3.5	10
94	Magnetic properties of high-energy ball-milled and HDDR processed Nd12Fe75CoyMo13 (0 y 75) powders and their nitrides. *Journal of Alloys and Compounds*, **1995**, 221, 114-119	5.7	10
93	Crystallographic and magnetic properties of R2(Fe, Co, Nb)14 B-based systems (R = Pr, Pr-Dy). *Journal of Magnetism and Magnetic Materials*, **1989**, 78, 279-282	2.8	10
92	Influence of 45S5 Bioglass addition on microstructure and properties of ultrafine grained (Mg-4Y-5.5Dy-0.5Zr) alloy. *Materials Science and Engineering B: Solid-State Materials for Advanced Technology*, **2017**, 219, 28-36	3.1	9
91	Hydrogenation properties of amorphous 2Mg+Fe/xwt% Ni materials prepared by mechanical alloying (x=0,100,200). *International Journal of Hydrogen Energy*, **2007**, 32, 4186-4190	6.7	9
90	Electrochemical behaviour of nanostructured Mm(Ni,Al,Co)5 alloy as MHx electrode. *Journal of Alloys and Compounds*, **2000**, 311, 311-316	5.7	9
89	Magnetic anisotropy in Dy(Fe,Co)10V2. *Journal of Applied Physics*, **1991**, 70, 6110-6112	2.5	9
88	Magnetic and crystallographic properties of SmFe10CoxV2 compounds. *Journal of the Less Common Metals*, **1990**, 162, 149-154		9
87	Nanostructured electrode materials for Ni-MH x batteries prepared by mechanical alloying. *Journal of Materials Science*, **2004**, 39, 5271-5274	4.3	8
86	The Electronic and Electrochemical Properties of the LaNi5-Based Alloys. *Acta Physica Polonica A*, **2009**, 115, 247-250	0.6	8
85	Effect of Gd and Co content on electrochemical and electronic properties of La1.5Mg0.5Ni7 alloys: A combined experimental and first-principles study. *Journal of Alloys and Compounds*, **2019**, 773, 131-139	5.7	8
84	Electrochemical characterization of nanocrystalline hydrogen storage La1.5Mg0.5Ni6.5Co0.5 alloy covered with amorphous nickel. *Journal of Alloys and Compounds*, **2019**, 780, 697-704	5.7	8
83	Structure evolution analysis in ultrafine-grained Zr and Nb-based beta titanium alloys. *Journal of Alloys and Compounds*, **2018**, 765, 459-469	5.7	8
82	Properties of ultrafine-grained Mg-based composites modified by addition of silver and hydroxyapatite. *Materials Science and Technology*, **2018**, 34, 1096-1103	1.5	7
81	Mechanical and Corrosion Properties of Titanium Hydroxyapatite Nanocomposites. *Solid State Phenomena*, **2009**, 151, 217-221	0.4	7
80	Electrochemical properties of an amorphous 2Mg + 3d alloys doped by nickel atoms (3d = Fe, Co, Ni, Cu). *Journal of Alloys and Compounds*, **2009**, 475, 289-293	5.7	7
79	Effect of Zr additions on the electrode characteristics of nanocrystalline TiNi-type hydrogen storage alloys. *Journal of Alloys and Compounds*, **2005**, 388, 303-307	5.7	7

78	Electronic properties of nanocrystalline and polycrystalline TiFe0.25Ni0.75 alloys. *Physica Status Solidi A*, **2003**, 196, 263-266		7
77	Electronic Structure of Mg2Ni1-xCux. *Acta Physica Polonica A*, **2009**, 115, 223-225	0.6	7
76	Influence of Gaseous Activation on Hydrogen Sorption Properties of TiNi and Ti2Ni Alloys. *Journal of Materials Engineering and Performance*, **2015**, 24, 1710-1717	1.6	6
75	The Influence of Mo Content on Phase Transformation in Ti-Mo Alloys. *Archives of Metallurgy and Materials*, **2017**, 62, 2051-2056		6
74	Synthesis and Properties of Ag-doped Titanium-10 wt% 45S5 Bioglass Nanostructured Scaffolds. *Acta Metallurgica Sinica (English Letters)*, **2015**, 28, 467-476	2.5	6
73	Corrosion resistance of nickel-free austenitic stainless steels/hydroxyapatite composites. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, 1359-1362		6
72	Segregation effect on nanocrystalline La(Ni,Al)5 surface. *European Physical Journal D*, **2002**, 52, A177-A180		6
71	The electronic and electrochemical properties of the ZrV2 and Zr(V0.75Ni0.25)2 systems. *Journal of Alloys and Compounds*, **2000**, 302, 299-303	5.7	6
70	Magnets produced by hot pressing Nd2(Fe,Co,Zr)14B-Fe and Nd(Fe,Mo)12Nx-Fe powders. *Journal of Alloys and Compounds*, **1995**, 230, L1-L3	5.7	6
69	Magnetic properties of Nd2Fe14 RexCoyB alloys. *Journal of the Less Common Metals*, **1990**, 158, 117-122		6
68	Magnetic properties of some RCo2B2 and RCo4B4 compounds. *Journal of Magnetism and Magnetic Materials*, **1987**, 68, 257-260	2.8	6
67	Effect of Ni content on the structure and hydrogenation property of mechanically alloyed TiMgNix ternary alloys. *International Journal of Hydrogen Energy*, **2017**, 42, 23751-23758	6.7	5
66	XRD and Raman spectroscopy studies of (Bi1LaxFeO3)0.5(PbTiO3)0.5 solid solution. *Phase Transitions*, **2014**, 87, 909-921	1.3	5
65	Corrosion Resistance of Nickel-Free Austenitic Stainless Steels and their Nanocomposites with Hydroxyapatite in Ringer Solution. *Materials Science Forum*, **2011**, 674, 159-163	0.4	5
64	Mechanical and Corrosion Properties of Ni-Free Austenitic Stainless Steel/Hydroxyapatite Nanocomposites. *Solid State Phenomena*, **2009**, 151, 213-216	0.4	5
63	Wear Improvement of Pure Titanium Surface by TiB Precipitation after Plasma Alloying Process. *Materials Science Forum*, **2011**, 674, 147-152	0.4	5
62	High energy ball milling of (Zr,La)(V,Ni)2.25 under hydrogen. *Journal of Alloys and Compounds*, **1999**, 289, L6-L9	5.7	5
61	Nd2(Fe,Co,M)14B-type magnet powders produced by the HDDR process. *Journal of Alloys and Compounds*, **1999**, 292, 296-300	5.7	5

60	Mechanical and Corrosion Properties of Magnesium-Bioceramic Nanocomposites. *Archives of Metallurgy and Materials*, **2016**, 61, 1437-1440		5
59	Influence of the Processing Method on the Properties of Ti-23 at.% Mo Alloy. *Metals*, **2019**, 9, 931	2.3	4
58	Crystal Structure Evolution, Microstructure Formation, and Properties of Mechanically Alloyed Ultrafine-Grained Ti-Zr-Nb Alloys at 36□Ti□0 (at. %). *Materials*, **2020**, 13,	3.5	4
57	Dielectric and magnetic properties of (Bi1-xLaxFeO3)0.5(PbTiO3)0.5 ceramics prepared by high energy mechanochemical technique. *Journal of Electroceramics*, **2015**, 35, 33-44	1.5	4
56	Electrochemical Formation and Corrosion Properties of Porous TiOx Biomaterials. *Materials Science Forum*, **2010**, 636-637, 15-21	0.4	4
55	Segregation Effect on Nanoscale Mg - Based Hydrogen Storage Materials. *Materials Science Forum*, **2009**, 610-613, 431-440	0.4	4
54	Hydriding properties of Mg-3d/M-type nanocomposites (3d = Cu, Ni; M = C, Ni, Cu, Pd). *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 1139-1143	1.6	4
53	Hybrid Ti-ceramic bionanomaterials for medical engineering. *Physica Status Solidi C: Current Topics in Solid State Physics*, **2010**, 7, 1363-1366		4
52	Nanoscale Nickel-Free Austenitic Stainless Steel. *Solid State Phenomena*, **2008**, 140, 179-184	0.4	4
51	Structure and Magnetic Properties of Y2Fe14□RexB. *Physica Status Solidi A*, **1989**, 114, K219-K221		4
50	Effect of hydroxyapatite and Ag, Ta2O5 or CeO2 addition on the properties of ultrafine-grained Ti31Mo alloy. *Journal of Alloys and Compounds*, **2020**, 823, 153749	5.7	3
49	Surface Modification of Pure Titanium by TiB Precipitation. *Solid State Phenomena*, **2011**, 183, 131-136	0.4	3
48	Nanostructured nickel-free austenitic stainless steel/hydroxyapatite composites. *Journal of Nanoscience and Nanotechnology*, **2012**, 12, 8779-82	1.3	3
47	Mg-based nanocomposites for room temperature hydrogen storage. *Physica Status Solidi (A) Applications and Materials Science*, **2010**, 207, 1144-1147	1.6	3
46	Synthesis of Sm2Fe17-carbonitrides by mechanical grinding Sm2Fe17 with pyrazine. *Journal of Alloys and Compounds*, **1998**, 266, 318-320	5.7	3
45	Anisotropic Nd?Fe?Co?Zr?B powders prepared by the HDDR process. *Journal of Alloys and Compounds*, **1995**, 228, 172-176	5.7	3
44	Magnetic and Structural Properties of Y2Fe14□ NbxB Alloys. *Physica Status Solidi A*, **1989**, 112, K121-K125		3
43	Magnetic Properties of Substituted Nd2□R?x (Fe, Re, Co)14B Compounds (R? = Tb or Dy). *Physica Status Solidi A*, **1990**, 117, 299-303		3

42	Structure and magnetic properties of substituted Sm2(Co1-xAgx)17compounds. *IEEE Transactions on Magnetics*, **1984**, 20, 1578-1580	2	3
41	Some Aspects of Magnetism in Amorphous Co90Zr10 Alloy. *Physica Status Solidi A*, **1982**, 74, K69-K72		3
40	Hydrothermal Surface Treatment of Biodegradable Mg-Materials. *Metals*, **2018**, 8, 894	2.3	3
39	The Influence of Pr and Nd Substitution on Hydrogen Storage Properties of Mechanically Alloyed (La,Mg)2Ni7-Type Alloys. *Journal of Materials Engineering and Performance*, **2018**, 27, 6166-6174	1.6	3
38	Effect of Substitutional Elements on the Thermodynamic and Electrochemical Properties of Mechanically Alloyed La1.5Mg0.5Ni7Mx alloys (M = Al, Mn). *Metals*, **2020**, 10, 578	2.3	2
37	Electronic properties of LaNi 5- type alloys. *European Physical Journal D*, **2002**, 52, A209-A212		2
36	Electrochemical properties of nanocrystalline (Zr,La)(V,Ni)2.25 alloy. *Journal of Alloys and Compounds*, **2001**, 322, 233-237	5.7	2
35	The effect of Re substitution on magnetic properties of R2(Fe, Co)14B alloys (R=Pr, Pr-Dy). *Journal of Magnetism and Magnetic Materials*, **1990**, 83, 237-238	2.8	2
34	Magnetic and structural properties of TbFe10.8-xCoxW1.2 alloys. *Journal of Alloys and Compounds*, **1991**, 177, 259-264	5.7	2
33	Magnetic phase diagram of the DyFe10 xCoxV2 system. *Journal of the Less Common Metals*, **1991**, 169, L11-L16		2
32	Investigations of magnetism and domain wall in ferromagnetic amorphous alloy Co90Zr10. *Journal of Materials Science*, **1981**, 16, 1111-1114	4.3	2
31	The Effect of 45S5 Bioglass and Ag, Cu, or Zn Addition on the Crystal Structure, Properties, and Antibacterial Effect of Bulk Ti23Zr25Nb Biocomposites. *Metals*, **2020**, 10, 1115	2.3	2
30	Low-Temperature Hydrothermal Treatment Surface Functionalization of the Ultrafine-Grained TiMo Alloys for Medical Applications. *Materials*, **2020**, 13,	3.5	2
29	Ultrafine-Grained Ti-31Mo-Type Composites with HA and Ag, TaO or CeO Addition for Implant Applications. *Materials*, **2021**, 14,	3.5	2
28	Engineered Nanomaterials: a Discussion of the Major Categories of Nanomaterials49-74		2
27	Nanotechnology for the Storage of Hydrogen **2017**, 433-458		1
26	Mechanical Alloying and Electrical Current-Assisted Sintering Adopted for In Situ Ti-TiB Metal Matrix Composite Processing. *Materials*, **2019**, 12,	3.5	1
25	Porous Magnesium Based Bionanocomposites For Medical Application. *Archives of Metallurgy and Materials*, **2015**, 60, 1433-1435		1

24	The Influence of Chemical Modification by Silver on Hydrogen Storage Properties of Nanocrystalline Ti2Ni Alloy. *Acta Physica Polonica A*, **2014**, 126, 892-894	0.6	1
23	Electric Conductivity of (Bi1-xLaxFeO3)0.5(PbTiO3)0.5Ceramics Obtained from Mechanosynthesized Nanopowders. *Acta Physica Polonica A*, **2014**, 126, 971-974	0.6	1
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1 Mg-based Nanocomposites for Room Temperature Hydrogen Storage229-236