

# Mieczyslaw Jurczyk

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Ultrafine-Grained Ti-31Mo-Type Composites with HA and Ag, TaO or CeO Addition for Implant Applications. <i>Materials</i> , <b>2021</b> , 14,	3.5	2
184	Effect of Substitutional Elements on the Thermodynamic and Electrochemical Properties of Mechanically Alloyed La <sub>1.5</sub> Mg <sub>0.5</sub> Ni <sub>7</sub> M <sub>x</sub> alloys (M = Al, Mn). <i>Metals</i> , <b>2020</b> , 10, 578	2.3	2
183	Crystal Structure Evolution, Microstructure Formation, and Properties of Mechanically Alloyed Ultrafine-Grained Ti-Zr-Nb Alloys at 36Ti70 (at. %). <i>Materials</i> , <b>2020</b> , 13,	3.5	4
182	Effect of hydroxyapatite and Ag, Ta <sub>2</sub> O <sub>5</sub> or CeO <sub>2</sub> addition on the properties of ultrafine-grained Ti31Mo alloy. <i>Journal of Alloys and Compounds</i> , <b>2020</b> , 823, 153749	5.7	3
181	Response of inflammatory cells to biodegradable ultra-fine grained Mg-based composites. <i>Micron</i> , <b>2020</b> , 129, 102796	2.3	0
180	Composite and Surface Functionalization of Ultrafine-Grained Ti23Zr25Nb Alloy for Medical Applications. <i>Materials</i> , <b>2020</b> , 13,	3.5	1
179	The Effect of 45S5 Bioglass and Ag, Cu, or Zn Addition on the Crystal Structure, Properties, and Antibacterial Effect of Bulk Ti23Zr25Nb Biocomposites. <i>Metals</i> , <b>2020</b> , 10, 1115	2.3	2
178	Low-Temperature Hydrothermal Treatment Surface Functionalization of the Ultrafine-Grained TiMo Alloys for Medical Applications. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
177	Influence of the Processing Method on the Properties of Ti-23 at.% Mo Alloy. <i>Metals</i> , <b>2019</b> , 9, 931	2.3	4
176	Electrochemical Behavior of a Nanostructured La <sub>1.25</sub> Gd <sub>0.25</sub> Mg <sub>0.5</sub> Ni <sub>7</sub> Hydrogen Storage Material Modified with Magnetron Sputtered Nickel. <i>Journal of the Electrochemical Society</i> , <b>2019</b> , 166, A1393-A1399	3.9	0
175	Mechanical Alloying and Electrical Current-Assisted Sintering Adopted for In Situ Ti-TiB Metal Matrix Composite Processing. <i>Materials</i> , <b>2019</b> , 12,	3.5	1
174	Effect of Gd and Co content on electrochemical and electronic properties of La <sub>1.5</sub> Mg <sub>0.5</sub> Ni <sub>7</sub> alloys: A combined experimental and first-principles study. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 773, 131-139	5.7	8
173	Electrochemical characterization of nanocrystalline hydrogen storage La <sub>1.5</sub> Mg <sub>0.5</sub> Ni <sub>6.5</sub> Co <sub>0.5</sub> alloy covered with amorphous nickel. <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 780, 697-704	5.7	8
172	Development of E-type Ti-x at. % Mo alloys by mechanical alloying and powder metallurgy: Phase evolution and mechanical properties (10 ≤ x ≤ 35). <i>Journal of Alloys and Compounds</i> , <b>2019</b> , 776, 370-378	5.7	16
171	Hydrogen storage and electrochemical properties of mechanically alloyed La <sub>1.5-x</sub> Gd <sub>x</sub> Mg <sub>0.5</sub> Ni <sub>7</sub> (0 ≤ x ≤ 1.5). <i>International Journal of Hydrogen Energy</i> , <b>2018</b> , 43, 8897-8906	6.7	21
170	Properties of ultrafine-grained Mg-based composites modified by addition of silver and hydroxyapatite. <i>Materials Science and Technology</i> , <b>2018</b> , 34, 1096-1103	1.5	7
169	Encapsulation of La <sub>1.5</sub> Mg <sub>0.5</sub> Ni <sub>7</sub> nanocrystalline hydrogen storage alloy with Ni coatings and its electrochemical characterization. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 749, 534-542	5.7	20

168	Effect of substitution La by Mg on electrochemical and electronic properties in La <sub>2</sub> MgNi <sub>7</sub> alloys: a combined experimental and ab initio studies. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 763, 951-959	5.7	13
167	An overview of hydrogen storage system in Ni-MH batteries <b>2018</b> , 389-455		
166	Types of hydrogen storage materials <b>2018</b> , 374-388		
165	Introduction to hydrogen technology applications <b>2018</b> , 363-365		
164	Hydrothermal Surface Treatment of Biodegradable Mg-Materials. <i>Metals</i> , <b>2018</b> , 8, 894	2.3	3
163	The Influence of Pr and Nd Substitution on Hydrogen Storage Properties of Mechanically Alloyed (La,Mg) <sub>2</sub> Ni <sub>7</sub> -Type Alloys. <i>Journal of Materials Engineering and Performance</i> , <b>2018</b> , 27, 6166-6174	1.6	3
162	Structure evolution analysis in ultrafine-grained Zr and Nb-based beta titanium alloys. <i>Journal of Alloys and Compounds</i> , <b>2018</b> , 765, 459-469	5.7	8
161	The phase transformation and electrochemical properties of TiNi alloys with Cu substitution: Experiments and first-principle calculations. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 1444-1450	6.7	14
160	Hydrogenation and electrochemical studies of LaMgNi alloys. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 1436-1443	6.7	39
159	Influence of 45S5 Bioglass addition on microstructure and properties of ultrafine grained (Mg-4Y-5.5Dy-0.5Zr) alloy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2017</b> , 219, 28-36	3.1	9
158	Nanotechnology for the Storage of Hydrogen <b>2017</b> , 433-458		1
157	Effect of Ni content on the structure and hydrogenation property of mechanically alloyed TiMgNi <sub>x</sub> ternary alloys. <i>International Journal of Hydrogen Energy</i> , <b>2017</b> , 42, 23751-23758	6.7	5
156	Nanoscale size effect in in situ titanium based composites with cell viability and cytocompatibility studies. <i>Materials Science and Engineering C</i> , <b>2017</b> , 73, 525-536	8.3	17
155	The Influence of Mo Content on Phase Transformation in Ti-Mo Alloys. <i>Archives of Metallurgy and Materials</i> , <b>2017</b> , 62, 2051-2056		6
154	The Effects of Hydroxyapatite Addition on the Properties of the Mechanically Alloyed and Sintered Mg-RE-Zr Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2016</b> , 25, 4469-4477	1.6	10
153	Structural and electrochemical hydrogen storage properties of MgTiNi <sub>x</sub> (x=0.1, 0.5, 1, 2) alloys prepared by ball milling. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 11761-11766	6.7	21
152	Antibacterial activity of nanostructured Ti-55S5 bioglass-Ag composite against Streptococcus mutans and Staphylococcus aureus. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2016</b> , 26, 118-125	3.3	16
151	Synthesis of Niti Based Nanocomposites Reinforced by Ha Addition. <i>Archives of Metallurgy and Materials</i> , <b>2016</b> , 61, 577-580		1

150	Mechanical and Corrosion Properties of Magnesium-Bioceramic Nanocomposites. <i>Archives of Metallurgy and Materials</i> , <b>2016</b> , 61, 1437-1440		5
149	Properties of Al <sub>2</sub> O <sub>3</sub> composites synthesized by spark plasma sintering method. <i>Archives of Civil and Mechanical Engineering</i> , <b>2015</b> , 15, 933-939	3.4	41
148	Nanostructured Titanium-10 wt% 45S5 Bioglass-Ag Composite Foams for Medical Applications. <i>Materials</i> , <b>2015</b> , 8, 1398-1412	3.5	16
147	Influence of Gaseous Activation on Hydrogen Sorption Properties of TiNi and Ti <sub>2</sub> Ni Alloys. <i>Journal of Materials Engineering and Performance</i> , <b>2015</b> , 24, 1710-1717	1.6	6
146	Porous Magnesium Based Bionanocomposites For Medical Application. <i>Archives of Metallurgy and Materials</i> , <b>2015</b> , 60, 1433-1435		1
145	Development of Type Ti <sub>23</sub> Mo-45S5 Bioglass Nanocomposites for Dental Applications. <i>Materials</i> , <b>2015</b> , 8, 8032-8046	3.5	10
144	Dielectric and magnetic properties of (Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> ) <sub>0.5</sub> (PbTiO <sub>3</sub> ) <sub>0.5</sub> ceramics prepared by high energy mechanochemical technique. <i>Journal of Electroceramics</i> , <b>2015</b> , 35, 33-44	1.5	4
143	Effect of multi-walled carbon nanotubes and palladium addition on the microstructural and electrochemical properties of the nanocrystalline Ti <sub>2</sub> Ni alloy. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 3288-3299	6.7	14
142	Hydrogenation properties of nanostructured Ti <sub>2</sub> Ni-based alloys and nanocomposites. <i>Journal of Power Sources</i> , <b>2015</b> , 280, 435-445	8.9	18
141	Synthesis and Properties of Ag-doped Titanium-10 wt% 45S5 Bioglass Nanostructured Scaffolds. <i>Acta Metallurgica Sinica (English Letters)</i> , <b>2015</b> , 28, 467-476	2.5	6
140	Effect Of Hot Pressing On The Electrochemical Properties Of Ti-Ni Alloy. <i>Archives of Metallurgy and Materials</i> , <b>2015</b> , 60, 1335-1340		0
139	Electrochemical behavior of nanocrystalline TiNi doped by MWCNTs and Pd. <i>Renewable Energy</i> , <b>2014</b> , 62, 432-438	8.1	15
138	The Influence of Chemical Modification by Silver on Hydrogen Storage Properties of Nanocrystalline Ti <sub>2</sub> Ni Alloy. <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 892-894	0.6	1
137	Electric Conductivity of (Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> ) <sub>0.5</sub> (PbTiO <sub>3</sub> ) <sub>0.5</sub> Ceramics Obtained from Mechanosynthesized Nanopowders. <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 971-974	0.6	1
136	XRD and Raman spectroscopy studies of (Bi <sub>1-x</sub> La <sub>x</sub> FeO <sub>3</sub> ) <sub>0.5</sub> (PbTiO <sub>3</sub> ) <sub>0.5</sub> solid solution. <i>Phase Transitions</i> , <b>2014</b> , 87, 909-921	1.3	5
135	Electrochemical and Corrosion Behavior of Nanocrystalline TiNi-Based Alloys and Composite. <i>Acta Physica Polonica A</i> , <b>2014</b> , 126, 888-891	0.6	1
134	In vitro biocompatibility of Ti-45S5 bioglass nanocomposites and their scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2014</b> , 102, 1316-24	5.4	18
133	Characterization and first principle study of ball milled TiNi with Mg doping as hydrogen storage alloy. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 9735-9743	6.7	11

132	Titanium/BiO <sub>2</sub> nanocomposites and their scaffolds for dental applications. <i>Materials Characterization</i> , <b>2013</b> , 77, 99-108	3.9	14
131	Microstructural Development of TiB Alloyed Layer for Hard Tissue Applications. <i>Journal of Materials Science and Technology</i> , <b>2013</b> , 29, 565-572	9.1	11
130	Structural characterization and electrochemical hydrogen storage properties of Ti <sub>2</sub> Zr <sub>x</sub> Ni (x=0, 0.1, 0.2) alloys prepared by mechanical alloying. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 12126-12132	6.7	17
129	3D surface topography study of the biofunctionalized nanocrystalline TiBZr/Nb/CaP. <i>Materials Characterization</i> , <b>2012</b> , 70, 55-62	3.9	17
128	Nanostructured nickel-free austenitic stainless steel composites with different content of hydroxyapatite. <i>Applied Surface Science</i> , <b>2012</b> , 260, 80-83	6.7	19
127	Mg <sub>2</sub> Ti <sub>x</sub> Ni (x=0, 0.5) alloys prepared by mechanical alloying for electrochemical hydrogen storage: Experiments and first-principles calculations. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 14248-14256	6.7	21
126	Hydrogen storage by Mg-based nanocomposites. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 3652-3658	6.7	26
125	XPS valence band studies of hydrogen storage nanocomposites. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 3659-3664	6.7	23
124	Synergistic effects of multiwalled carbon nanotubes and Al on the electrochemical hydrogen storage properties of Mg 2 Ni-type alloy prepared by mechanical alloying. <i>International Journal of Hydrogen Energy</i> , <b>2012</b> , 37, 1538-1545	6.7	35
123	Nanostructured nickel-free austenitic stainless steel/hydroxyapatite composites. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2012</b> , 12, 8779-82	1.3	3
122	Corrosion Resistance of Nickel-Free Austenitic Stainless Steels and their Nanocomposites with Hydroxyapatite in Ringer's Solution. <i>Materials Science Forum</i> , <b>2011</b> , 674, 159-163	0.4	5
121	Plasma surface modification of titanium by TiB precipitation for biomedical applications. <i>Surface and Coatings Technology</i> , <b>2011</b> , 206, 330-337	4.4	23
120	Titanium/10wt% 45S5 Bioglass nanocomposite for biomedical applications. <i>Materials Chemistry and Physics</i> , <b>2011</b> , 131, 540-546	4.4	16
119	Nanostructured titanium-45S5 Bioglass scaffold composites for medical applications. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 4882-4889		38
118	XPS valence band studies of hydrogen storage Mg-based nanocomposites. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2011</b> , 8, 2519-2522		
117	Synthesis and characterization of titanium-45S5 Bioglass nanocomposites. <i>Materials &amp; Design</i> , <b>2011</b> , 32, 2554-2560		29
116	Wear Improvement of Pure Titanium Surface by TiB Precipitation after Plasma Alloying Process. <i>Materials Science Forum</i> , <b>2011</b> , 674, 147-152	0.4	5
115	Osteoblast Behaviour on Nanostructured Ti-Bioceramic Composites. <i>Materials Science Forum</i> , <b>2011</b> , 674, 153-158	0.4	1

114	Surface Modification of Pure Titanium by TiB Precipitation. <i>Solid State Phenomena</i> , <b>2011</b> , 183, 131-136	0.4	3
113	Electrochemical Formation and Corrosion Properties of Porous TiOx Biomaterials. <i>Materials Science Forum</i> , <b>2010</b> , 636-637, 15-21	0.4	4
112	Fabrication and properties of titanium/hydroxyapatite nanocomposites. <i>Materials Chemistry and Physics</i> , <b>2010</b> , 123, 160-165	4.4	82
111	Structural characterization and electrochemical hydrogen storage properties of Mg <sub>2</sub> Ni <sub>1-x</sub> Mnx (x = 0, 0.125, 0.25, 0.375) alloys prepared by mechanical alloying. <i>International Journal of Hydrogen Energy</i> , <b>2010</b> , 35, 6794-6803	6.7	33
110	Hydriding properties of Mg-3d/M-type nanocomposites (3d = Cu, Ni; M = C, Ni, Cu, Pd). <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 1139-1143	1.6	4
109	Mg-based nanocomposites for room temperature hydrogen storage. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2010</b> , 207, 1144-1147	1.6	3
108	Corrosion resistance of nickel-free austenitic stainless steels/hydroxyapatite composites. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 1359-1362		6
107	Effect of palladium addition on the electrochemical properties of amorphous 2Mg + 3d alloys doped by nickel atoms (3d = Fe, Ni). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 1436-1439		
106	Hybrid Ti-ceramic bionanomaterials for medical engineering. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , <b>2010</b> , 7, 1363-1366		4
105	Effect of Hydrogenation on the Electronic Structure of HoNiSn - Ab Initio Calculations. <i>Acta Physica Polonica A</i> , <b>2010</b> , 118, 346-349	0.6	1
104	Nanocomposite Hydride LaNi <sub>5</sub> /A- and Mg <sub>2</sub> Ni/A-Type Materials (A=C, Cu, Pd). <i>Materials Science Forum</i> , <b>2009</b> , 610-613, 472-479	0.4	1
103	Segregation Effect on Nanoscale Mg - Based Hydrogen Storage Materials. <i>Materials Science Forum</i> , <b>2009</b> , 610-613, 431-440	0.4	4
102	Mechanical and Corrosion Properties of Titanium/hydroxyapatite Nanocomposites. <i>Solid State Phenomena</i> , <b>2009</b> , 151, 217-221	0.4	7
101	Mechanical and Corrosion Properties of Ni-Free Austenitic Stainless Steel/Hydroxyapatite Nanocomposites. <i>Solid State Phenomena</i> , <b>2009</b> , 151, 213-216	0.4	5
100	Mechano-electrochemical synthesis of porous Ti-based nanocomposite biomaterials. <i>Electrochemistry Communications</i> , <b>2009</b> , 11, 461-465	5.1	25
99	Electrochemical properties of an amorphous 2Mg + 3d alloys doped by nickel atoms (3d = Fe, Co, Ni, Cu). <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 475, 289-293	5.7	7
98	Electronic Structure of Mg <sub>2</sub> Ni <sub>1-x</sub> Cux. <i>Acta Physica Polonica A</i> , <b>2009</b> , 115, 223-225	0.6	7
97	The Electronic and Electrochemical Properties of the LaNi <sub>5</sub> -Based Alloys. <i>Acta Physica Polonica A</i> , <b>2009</b> , 115, 247-250	0.6	8



96	Nanoscale Nickel-Free Austenitic Stainless Steel. <i>Solid State Phenomena</i> , <b>2008</b> , 140, 179-184	0.4	4
95	XPS Valence band and segregation effect in nanocrystalline Mg <sub>2</sub> NiMg <sub>2</sub> Ni-type materials. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 387-392	6.7	21
94	Electronic structure of nanocrystalline and polycrystalline hydrogen storage materials. <i>Renewable Energy</i> , <b>2008</b> , 33, 201-210	8.1	21
93	Electrochemical performance of sealed NiMH batteries using nanocrystalline TiNi-type hydride electrodes. <i>Renewable Energy</i> , <b>2008</b> , 33, 211-215	8.1	16
92	Nanoscale Mg-based materials for hydrogen storage. <i>International Journal of Hydrogen Energy</i> , <b>2008</b> , 33, 374-380	6.7	78
91	Hydrogenation properties of amorphous 2Mg+Fe/xwt% Ni materials prepared by mechanical alloying (x=0,100,200). <i>International Journal of Hydrogen Energy</i> , <b>2007</b> , 32, 4186-4190	6.7	9
90	Thermodynamic and electrochemical properties of nanocrystalline Mg <sub>2</sub> Cu-type hydrogen storage materials. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 429, 316-320	5.7	13
89	Electrochemical and electronic properties of nanocrystalline Mg-based hydrogen storage materials. <i>Journal of Alloys and Compounds</i> , <b>2007</b> , 436, 345-350	5.7	25
88	The Manufacturing of Titanium-Hydroxyapatite Nanocomposites for Bone Implant Applications. <i>Nanopages</i> , <b>2006</b> , 1, 219-229	0	12
87	Effect of Zr additions on the electrode characteristics of nanocrystalline TiNi-type hydrogen storage alloys. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 388, 303-307	5.7	7
86	Nickel-metal hydride battery using nanocrystalline TiFe-type hydrogen storage alloys. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 404-406, 691-693	5.7	17
85	Electrochemical and electronic properties of nanocrystalline TiNi <sub>1-x</sub> M <sub>x</sub> (M=Mg, Mn, Zr; x=0, 0.125, 0.25) ternary alloys. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 403, 323-328	5.7	16
84	Nanocrystalline Hydrogen Storage Alloys Formed by Mechanical Alloying <b>2005</b> , 304-309		
83	Nanostructured electrode materials for Ni-MH x batteries prepared by mechanical alloying. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 5271-5274	4.3	8
82	The synthesis and properties of nanocrystalline electrode materials by mechanical alloying. <i>Journal of Physics and Chemistry of Solids</i> , <b>2004</b> , 65, 545-548	3.9	16
81	Nanocrystalline materials for NiMH batteries. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , <b>2004</b> , 108, 67-75	3.1	23
80	Electrochemical properties of sealed NiMH batteries using nanocrystalline TiFe-type anodes. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 372, L9-L12	5.7	12
79	Hydriding properties of nanocrystalline Mg <sub>2</sub> M <sub>x</sub> Ni alloys synthesized by mechanical alloying (M=Mn, Al). <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 364, 283-288	5.7	87

78	Nanocrystalline LaNi <sub>5</sub> -type electrode materials for Ni-MHx batteries. <i>Journal of Solid State Chemistry</i> , <b>2003</b> , 171, 30-37	3.3	23
77	The electronic and electrochemical properties of the LaNi <sub>5</sub> -based alloys. <i>Physica Status Solidi A</i> , <b>2003</b> , 196, 252-255		12
76	The electronic and electrochemical properties of the TiFe <sub>1-x</sub> Ni <sub>x</sub> alloys. <i>Physica Status Solidi A</i> , <b>2003</b> , 196, 256-259		1
75	Electronic properties of nanocrystalline and polycrystalline TiFe <sub>0.25</sub> Ni <sub>0.75</sub> alloys. <i>Physica Status Solidi A</i> , <b>2003</b> , 196, 263-266		7
74	The electronic and electrochemical properties of the TiFe-based alloys. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 348, 285-292	5.7	22
73	Electrode characteristics of nanocrystalline TiFe-type alloys. <i>Journal of Alloys and Compounds</i> , <b>2003</b> , 354, L1-L4	5.7	29
72	Oxidation behaviour of Nd(Fe,Mo) <sub>12</sub> and Nd(Fe,Mo) <sub>12</sub> Ny compounds: a Mössbauer investigation. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 242-245, 1338-1340	2.8	1
71	Segregation effect on nanocrystalline La(Ni,Al) <sub>5</sub> surface. <i>European Physical Journal D</i> , <b>2002</b> , 52, A177-A180		6
70	Electronic properties of LaNi <sub>5</sub> -type alloys. <i>European Physical Journal D</i> , <b>2002</b> , 52, A209-A212		2
69	Nanocrystalline titanium-type metal hydride electrodes prepared by mechanical alloying. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 336, 265-269	5.7	41
68	Structure and electrochemical properties of the mechanically alloyed La(Ni,M) <sub>5</sub> materials. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 339, 339-343	5.7	20
67	Nanocrystalline LaNi <sub>4-x</sub> Mn <sub>0.75</sub> Al <sub>0.25</sub> Cox electrode materials prepared by mechanical alloying (0 ≤ x ≤ 1.0). <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 340, 281-285	5.7	11
66	Electrochemical behaviour of high-energy ball-milled TiFe alloy. <i>Journal of Alloys and Compounds</i> , <b>2002</b> , 346, L1-L3	5.7	13
65	Electrode characteristics of nanocrystalline (Zr, Ti)(V, Cr, Ni) <sub>2.41</sub> compound. <i>Journal of Power Sources</i> , <b>2001</b> , 93, 77-81	8.9	18
64	Nanocrystalline LaNi <sub>4.2</sub> Al <sub>0.8</sub> prepared by mechanical alloying and annealing and its hydride formation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 303, 70-76	5.3	14
63	Structure and Electronic Properties of La(Ni,Al) <sub>5</sub> Alloys. <i>Crystal Research and Technology</i> , <b>2001</b> , 36, 1385-1394	1.3	12
62	Oxidation Behaviour of Nd-Fe-B Nanocomposite Powders. <i>Materials Science Forum</i> , <b>2001</b> , 360-362, 519-524		4
61	Electrochemical properties of nanocrystalline (Zr,La)(V,Ni) <sub>2.25</sub> alloy. <i>Journal of Alloys and Compounds</i> , <b>2001</b> , 322, 233-237	5.7	2



60	Temperature dependence of magnetic properties for nanocomposite Nd <sub>2</sub> (Fe,Co,M) <sub>14</sub> B/Fe magnets. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2000</b> , 208, 163-168	2.8	11
59	The electronic and electrochemical properties of the ZrV <sub>2</sub> and Zr(V <sub>0.75</sub> Ni <sub>0.25</sub> ) <sub>2</sub> systems. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 302, 299-303	5.7	6
58	Hydrogen storage properties of amorphous and nanocrystalline MmNi <sub>4.2</sub> Al <sub>0.8</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 307, 279-282	5.7	15
57	The electronic and electrochemical properties of the LaNi <sub>5</sub> , LaNi <sub>4</sub> Al and LaNi <sub>3</sub> AlCo systems. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 307, 290-296	5.7	31
56	Improved temperature and corrosion behaviour of nanocomposite Nd <sub>2</sub> (Fe,Co,M) <sub>14</sub> B/Fe magnets. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 311, 292-298	5.7	17
55	Electrochemical behaviour of nanostructured Mm(Ni,Al,Co) <sub>5</sub> alloy as MH <sub>x</sub> electrode. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 311, 311-316	5.7	9
54	Surface analysis of polycrystalline and nanocrystalline LaNi <sub>5</sub> -type alloys. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 313, 192-200	5.7	22
53	Nanocomposite NdFeB type magnets. <i>Journal of Alloys and Compounds</i> , <b>2000</b> , 299, 283-286	5.7	16
52	Magnetic properties of nanostructured Nd <sub>2</sub> (Fe,Co,Cr) <sub>14</sub> B/Fe magnets. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 283, 307-310	5.7	20
51	Metal hydride electrodes prepared by mechanical alloying of ZrV <sub>2</sub> -type materials. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 285, 250-254	5.7	29
50	High energy ball milling of (Zr,La)(V,Ni) <sub>2.25</sub> under hydrogen. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 289, L6-L9	5.7	5
49	Mechanically alloyed MmNi <sub>5</sub> -type materials for metal hydride electrodes. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 290, 262-266	5.7	25
48	Nd <sub>2</sub> (Fe,Co,M) <sub>14</sub> B-type magnet powders produced by the HDDR process. <i>Journal of Alloys and Compounds</i> , <b>1999</b> , 292, 296-300	5.7	5
47	Nanocomposite Nd <sub>2</sub> (Fe,Co,Cr) <sub>14</sub> B/Fe materials. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1998</b> , 185, 66-70	2.8	25
46	Synthesis of Sm <sub>2</sub> Fe <sub>17</sub> -carbonitrides by mechanical grinding Sm <sub>2</sub> Fe <sub>17</sub> with pyrazine. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 266, 318-320	5.7	3
45	Magnetic properties of nanocomposite Nd <sub>2</sub> (Fe,Co,M) <sub>14</sub> B/Fe-bonded magnets. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 269, 284-287	5.7	12
44	Synthesis and electrochemical properties of high-energy ball-milled Laves phase (Zr,Ti)(V,Mn,Cr) <sub>2</sub> alloys with nickel powder. <i>Journal of Alloys and Compounds</i> , <b>1998</b> , 274, 299-302	5.7	21
43	Remanence enhanced Nd <sub>2</sub> Fe <sub>14</sub> B/Fe and Nd(Fe, Mo) <sub>12</sub> N /Fe type magnetic powders produced by high-energy ball-milling. <i>Journal of Alloys and Compounds</i> , <b>1996</b> , 235, 232-236	5.7	11

42	Magnetic properties of nanocomposite and materials with an excess of Fe. <i>Journal Physics D: Applied Physics</i> , <b>1996</b> , 29, 2284-2289	3	31
41	Magnetic properties of high-energy ball-milled and HDDR processed Nd <sub>12</sub> Fe <sub>75</sub> Co <sub>13</sub> (0 ≤ x ≤ 75) powders and their nitrides. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 221, 114-119	5.7	10
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39	Magnets produced by hot pressing Nd <sub>2</sub> (Fe,Co,Zr) <sub>14</sub> B-Fe and Nd(Fe,Mo) <sub>12</sub> Nx-Fe powders. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 230, L1-L3	5.7	6
38	Application of high energy ball milling to the production of magnetic powders from NdFeB-type alloys. <i>Journal of Alloys and Compounds</i> , <b>1995</b> , 217, 65-68	5.7	19
37	Magnetic phase transitions in some Nd=Fe=M=Co=B magnetic materials (M-V, Mo or Re). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1992</b> , 104-107, 1193-1194	2.8	1
36	Spin re-orientations in Nd(Fe,Co) <sub>10</sub> V <sub>2</sub> system. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1991</b> , 94, L6-L10	2.8	14
35	Magnetic anisotropy in Dy(Fe,Co) <sub>10</sub> V <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>1991</b> , 70, 6110-6112	2.5	9
34	Magnetic and structural properties of TbFe <sub>10.8-x</sub> CoxW <sub>1.2</sub> alloys. <i>Journal of Alloys and Compounds</i> , <b>1991</b> , 177, 259-264	5.7	2
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32	Magnetic studies of YCo <sub>12-x</sub> Vx compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 87, 1-4	2.8	12
31	The effect of Re substitution on magnetic properties of R <sub>2</sub> (Fe, Co) <sub>14</sub> B alloys (R=Pr, Pr-Dy). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 83, 237-238	2.8	2
30	Magnetic properties of RFe <sub>10.8</sub> Re <sub>1.2</sub> compounds (R = Y, Tb and Ho). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1990</b> , 89, L5-L7	2.8	23
29	Magnetic Properties of Substituted Nd <sub>2</sub> R <sub>2-x</sub> (Fe, Re, Co) <sub>14</sub> B Compounds (R = Tb or Dy). <i>Physica Status Solidi A</i> , <b>1990</b> , 117, 299-303		3
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27	Magnetic properties of Nd <sub>2</sub> Fe <sub>14-x</sub> RexCoyB alloys. <i>Journal of the Less Common Metals</i> , <b>1990</b> , 158, 117-122		6
26	Magnetic and crystallographic properties of SmFe <sub>10-x</sub> CoxV <sub>2</sub> compounds. <i>Journal of the Less Common Metals</i> , <b>1990</b> , 162, 149-154		9
25	Structure and magnetism of the YFe <sub>10-x</sub> CoxV <sub>2</sub> system. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1989</b> , 82, 239-242	2.8	26

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20	Magnetic and crystallographic properties of substituted didymium $2Fe_{12-x}T_xCo_2B$ compounds ( $T = Si, V, Cr, Ta$ and $W$ ). <i>Journal of Magnetism and Magnetic Materials</i> , <b>1988</b> , 73, 367-371	2.8	12
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15	Effect of silicon additions on the magnetic properties of $Nd_2Fe_{12}Co_2B$ alloy. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1987</b> , 68, 331-334	2.8	17
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13	Magnetic properties of some $RCo_2B_2$ and $RCo_4B_4$ compounds. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1987</b> , 68, 257-260	2.8	6
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11	Magnetism of $Nd_2Fe_{12-x}Mn_xCo_2B$ alloys. <i>IEEE Transactions on Magnetics</i> , <b>1986</b> , 22, 755-756	2	11
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8	Structure and magnetic properties of substituted $Sm_2(Co_{1-x}Ag_x)_{17}$ compounds. <i>IEEE Transactions on Magnetics</i> , <b>1984</b> , 20, 1578-1580	2	3
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