

# Koij Hashimoto

## List of Publications by Citations

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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.

248  
papers

8,498  
citations

48  
h-index

76  
g-index

251  
ext. papers

9,018  
ext. citations

5.7  
avg, IF

5.34  
L-index

#	Paper	IF	Citations
248	The X-ray photo-electron spectra of several oxides of iron and chromium. <i>Corrosion Science</i> , <b>1977</b> , 17, 559-570	6.8	431
247	The mechanism of formation of iron oxide and oxyhydroxides in aqueous solutions at room temperature. <i>Corrosion Science</i> , <b>1974</b> , 14, 131-149	6.8	388
246	XPS determination of compositions of alloy surfaces and surface oxides on mechanically polished iron-chromium alloys. <i>Corrosion Science</i> , <b>1977</b> , 17, 713-723	6.8	323
245	The mechanism of atmospheric rusting and the protective amorphous rust on low alloy steel. <i>Corrosion Science</i> , <b>1974</b> , 14, 279-289	6.8	307
244	An X-ray photo-electron spectroscopic study on the role of molybdenum in increasing the corrosion resistance of ferritic stainless steels in HCl. <i>Corrosion Science</i> , <b>1979</b> , 19, 3-14	6.8	219
243	An XPS study of the surfaces on Fe-Cr, Fe-Co and Fe-Ni alloys after mechanical polishing. <i>Corrosion Science</i> , <b>1984</b> , 24, 83-97	6.8	189
242	Characteristics of passivity of extremely corrosion-resistant amorphous iron alloys. <i>Corrosion Science</i> , <b>1976</b> , 16, 71-76	6.8	145
241	The role of corrosion-resistant alloying elements in passivity. <i>Corrosion Science</i> , <b>2007</b> , 49, 42-52	6.8	110
240	Effect of tetragonal ZrO <sub>2</sub> on the catalytic activity of Ni/ZrO <sub>2</sub> catalyst prepared from amorphous Ni <sub>57</sub> Zr alloys. <i>Catalysis Communications</i> , <b>2006</b> , 7, 24-28	3.2	105
239	Effect of metalloidal elements on corrosion resistance of amorphous iron-chromium alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1978</b> , 28, 403-413	3.9	105
238	Co-methanation of carbon monoxide and carbon dioxide on supported nickel and cobalt catalysts prepared from amorphous alloys. <i>Applied Catalysis A: General</i> , <b>1998</b> , 172, 131-140	5.1	101
237	X-ray photoelectron spectrum of Fe <sup>2+</sup> state in iron oxides. <i>Corrosion Science</i> , <b>1976</b> , 16, 35-45	6.8	96
236	Corrosion behavior of amorphous and crystalline Cu <sub>50</sub> Ti <sub>50</sub> and Cu <sub>50</sub> Zr <sub>50</sub> alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1978</b> , 30, 29-36	3.9	89
235	Global CO <sub>2</sub> recycling novel materials and prospect for prevention of global warming and abundant energy supply. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 200-206	5.3	85
234	An ESCA study of the Fe <sup>2+</sup> /Fe <sup>3+</sup> ratio in passive films on iron-chromium alloys. <i>Corrosion Science</i> , <b>1976</b> , 16, 387-391	6.8	84
233	The surface characterization of titanium and titanium-nickel alloys in sulfuric acid. <i>Corrosion Science</i> , <b>1993</b> , 35, 43-49	6.8	82
232	Effect of Molybdenum on the Anodic Behavior of Amorphous Fe-Cr-Mo-B Alloys in Hydrochloric Acid. <i>Journal of the Electrochemical Society</i> , <b>1980</b> , 127, 2130-2138	3.9	80

231	Highly active Ni/Y-doped ZrO <sub>2</sub> catalysts for CO <sub>2</sub> methanation. <i>Applied Surface Science</i> , <b>2016</b> , 388, 653-667	6.7	77
230	Anodically deposited manganese oxide and tungsten oxide electrodes for oxygen evolution from seawater. <i>Electrochimica Acta</i> , <b>1998</b> , 43, 3303-3312	6.7	74
229	The corrosion behavior of amorphous Fe-Cr-Mo-P-C and Fe-Cr-W-P-C alloys in 6 M HCl solution. <i>Corrosion Science</i> , <b>1992</b> , 33, 225-236	6.8	72
228	Highly corrosion-resistant Ni-based bulk amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 753-757	5.3	68
227	The anodic behavior of amorphous Ni-19P alloys in different amorphous states. <i>Corrosion Science</i> , <b>1989</b> , 29, 1319-1328	6.8	65
226	An X-ray photo-electron spectroscopic study of surface treatments of stainless steels. <i>Corrosion Science</i> , <b>1979</b> , 19, 1007-1017	6.8	64
225	Passivity and its breakdown on sputter-deposited amorphous Al-early transition metal alloys in 1 M HCl at 30°C. <i>Corrosion Science</i> , <b>1990</b> , 31, 349-354	6.8	63
224	An X-ray photoelectron spectroscopic study of electrocatalytic activity of platinum group metals for chlorine evolution. <i>Electrochimica Acta</i> , <b>1983</b> , 28, 1073-1081	6.7	61
223	Characterization of sputter-deposited Ni-Mo and Ni-W alloy electrocatalysts for hydrogen evolution in alkaline solution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 905-909	5.3	60
222	Anodically deposited manganese-molybdenum oxide anodes with high selectivity for evolving oxygen in electrolysis of seawater. <i>Journal of Applied Electrochemistry</i> , <b>1999</b> , 29, 769-775	2.6	60
221	An X-ray photo-electron spectroscopic study of the passivity of ferritic 19Cr stainless steels in 1 NHCl. <i>Corrosion Science</i> , <b>1979</b> , 19, 251-260	6.8	59
220	Experimental evidence for the critical size of heterogeneity areas for pitting corrosion of Cr-Zr alloys in 6 M HCl. <i>Corrosion Science</i> , <b>1998</b> , 40, 1-17	6.8	58
219	The effect of air exposure on the corrosion behavior of amorphous Fe-8Cr-Mo-13P-7C alloys in 1 M HCl. <i>Corrosion Science</i> , <b>1995</b> , 37, 1289-1301	6.8	58
218	Oxygen evolution on manganese-molybdenum oxide anodes in seawater electrolysis. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 254-259	5.3	56
217	An x-ray photo-electron spectroscopy study of the passivity of amorphous Fe-Mo alloys. <i>Corrosion Science</i> , <b>1979</b> , 19, 165-170	6.8	56
216	Compositional dependence of the CO <sub>2</sub> methanation activity of Ni/ZrO <sub>2</sub> catalysts prepared from amorphous NiZr alloy precursors. <i>Applied Catalysis A: General</i> , <b>1997</b> , 163, 187-197	5.1	55
215	Laser-processed corrosion-resistant amorphous Ni-Cr-P-B surface alloys on a mild steel. <i>Corrosion Science</i> , <b>1987</b> , 27, 981-995	6.8	55
214	Change in corrosion behavior of amorphous Fe-P-C alloys by alloying with various metallic elements. <i>Journal of Non-Crystalline Solids</i> , <b>1979</b> , 31, 355-365	3.9	55

213	An XPS study of the corrosion behavior of sputter-deposited amorphous Al-W alloys in 1 M HCl. <i>Corrosion Science</i> , <b>1991</b> , 32, 313-325	6.8	54
212	High corrosion resistance of amorphous Fe <sub>2</sub> Mo and Fe <sub>2</sub> W alloys in HCl. <i>Journal of Non-Crystalline Solids</i> , <b>1978</b> , 29, 61-65	3.9	54
211	CO <sub>2</sub> methanation of Ni catalysts supported on tetragonal ZrO <sub>2</sub> doped with Ca <sup>2+</sup> and Ni <sup>2+</sup> ions. <i>International Journal of Hydrogen Energy</i> , <b>2015</b> , 40, 8347-8355	6.7	53
210	Materials for global carbon dioxide recycling. <i>Corrosion Science</i> , <b>2002</b> , 44, 371-386	6.8	53
209	Anodic polarization behaviour of sputter-deposited Al <sub>2</sub> Zr alloys in a neutral chloride-containing buffer solution. <i>Electrochimica Acta</i> , <b>1991</b> , 36, 1227-1233	6.7	52
208	CO <sub>2</sub> methanation catalysts prepared from amorphous Ni <sub>2</sub> W <sub>3</sub> M and Ni <sub>2</sub> W <sub>3</sub> metal alloy precursors. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 220-226	5.3	51
207	The corrosion behaviour of iron in hydrogen chloride gas and gas mixtures of hydrogen chloride and oxygen at high temperatures. <i>Corrosion Science</i> , <b>1981</b> , 21, 805-817	6.8	51
206	Chemical Properties of Amorphous Metals. <i>Annual Review of Materials Research</i> , <b>1978</b> , 8, 215-233		51
205	Recent progress in corrosion-resistant metastable alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1995</b> , 198, 1-10	5.3	50
204	An XPS study of anodic behavior of amorphous nickel-phosphorus alloys containing chromium, molybdenum or tungsten in 1 m HCl. <i>Corrosion Science</i> , <b>1984</b> , 24, 807-823	6.8	50
203	Effect of addition of chromium and molybdenum on the corrosion behavior of amorphous Fe-20B, Co-20B and Ni-20B alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1979</b> , 34, 257-266	3.9	50
202	A photoelectrochemical and ESCA study of passivity of amorphous nickel-vanadium metal alloys. <i>Corrosion Science</i> , <b>1990</b> , 31, 727-732	6.8	49
201	The durability of manganese-molybdenum oxide anodes for oxygen evolution in seawater electrolysis. <i>Electrochimica Acta</i> , <b>2000</b> , 45, 2297-2303	6.7	48
200	Advanced materials for global carbon dioxide recycling. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 88-96	5.3	46
199	The corrosion behavior of sputter-deposited amorphous chromium-zirconium alloys in 6 M HCl solution. <i>Corrosion Science</i> , <b>1993</b> , 34, 1817-1827	6.8	46
198	The corrosion behavior of sputter-deposited amorphous titanium-chromium alloys in 1 M and 6 M HCl solutions. <i>Corrosion Science</i> , <b>1993</b> , 34, 975-987	6.8	46
197	Metastable metals for green materials for global atmosphere conservation and abundant energy supply. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 179-180, 27-30	5.3	45
196	The corrosion behavior of sputter-deposited amorphous copper-tantalum alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1992</b> , 33, 1507-1518	6.8	44

195	The passivation behavior of sputter-deposited W-Ta alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1998</b> , 40, 757-779	43
194	Importance of initial surface film in the degradation of stainless steels by atmospheric exposure. <i>Corrosion Science</i> , <b>2003</b> , 45, 2263-2283	6.8 43
193	Corrosion-resistant amorphous Fe <sub>2</sub> C alloys containing chromium and/or molybdenum. <i>Journal of Non-Crystalline Solids</i> , <b>1979</b> , 31, 347-354	3.9 43
192	Carbon dioxide: A new material for energy storage. <i>Progress in Natural Science: Materials International</i> , <b>2014</b> , 24, 295-304	3.6 42
191	Electrodeposited Ni-Fe-C Cathodes for Hydrogen Evolution. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 3003	3.9 42
190	The corrosion behavior of sputter-deposited Mo-Ti alloys in concentrated hydrochloric acid. <i>Corrosion Science</i> , <b>1996</b> , 38, 1649-1667	6.8 42
189	Passivity and its breakdown on sputter-deposited amorphous Al <sub>2</sub> Ti alloys in a neutral aqueous solution with Cl <sup>-</sup> . <i>Corrosion Science</i> , <b>1990</b> , 31, 401-406	6.8 42
188	The corrosion behavior of amorphous nickel base alloys in a hot concentrated phosphoric acid. <i>Corrosion Science</i> , <b>1987</b> , 27, 957-970	6.8 42
187	Preparation of corrosion-resistant amorphous Ni <sub>4</sub> Cr <sub>2</sub> B <sub>2</sub> bulk alloys containing molybdenum and tantalum. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 304-306, 696-700	5.3 41
186	The role of chromium and molybdenum in passivation of amorphous Fe-Cr-Mo-P-C alloys in deaerated 1 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 2137-2151	6.8 41
185	The corrosion behavior of sputter-deposited amorphous Cr <sub>2</sub> Nb and Cr <sub>2</sub> Ta alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1993</b> , 34, 1947-1955	6.8 41
184	Characterization of surfaces of amorphous Ni <sub>2</sub> Fe <sub>2</sub> P alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1984</b> , 64, 149-161	3.9 38
183	What we have learned from studies on chemical properties of amorphous alloys?. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8141-8150	6.7 37
182	The effect of heat treatment on the performance of the Ni/(Zr-Sm oxide) catalysts for carbon dioxide methanation. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8171-8176	6.7 37
181	Nanocrystalline Manganese-Molybdenum-Tungsten Oxide Anodes for Oxygen Evolution in Acidic Seawater Electrolysis. <i>Materials Transactions</i> , <b>2005</b> , 46, 309-316	1.3 37
180	Recent advances in the catalytic properties of metastable materials. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 891-899	5.3 36
179	The effect of heat treatment on the corrosion behavior of sputter-deposited aluminum-chromium alloys. <i>Corrosion Science</i> , <b>1998</b> , 41, 477-499	6.8 36
178	The corrosion behavior of sputter-deposited amorphous Mo-Zr alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1995</b> , 37, 307-320	6.8 36

177	X-ray Photoelectron Spectroscopy Investigation on the Low-Temperature Degradation of 2 mol% Y <sub>2</sub> O <sub>3</sub> -ZrO <sub>2</sub> Ceramics. <i>Journal of the American Ceramic Society</i> , <b>1996</b> , 79, 3109-3112	3.8	36
176	An XPS study of passive films on corrosion-resistant Cr <sub>2</sub> Zr alloys prepared by sputter deposition. <i>Corrosion Science</i> , <b>1997</b> , 39, 1365-1380	6.8	35
175	Corrosion-resistant amorphous surface alloys. <i>Corrosion Science</i> , <b>1993</b> , 35, 363-370	6.8	35
174	The corrosion behaviour of chromium in hydrogen chloride gas and gas mixtures of hydrogen chloride and oxygen at high temperatures. <i>Corrosion Science</i> , <b>1983</b> , 23, 167-181	6.8	35
173	Change in corrosion behavior of amorphous Ni <sub>2</sub> P alloys by alloying with chromium, molybdenum or tungsten. <i>Journal of Non-Crystalline Solids</i> , <b>1985</b> , 70, 69-83	3.9	35
172	Mn-Mo-W Oxide Anodes for Oxygen Evolution in Seawater Electrolysis for Hydrogen Production. <i>Materials Transactions</i> , <b>2009</b> , 50, 1969-1977	1.3	34
171	Chemical properties and applications of some amorphous alloys. <i>Materials Science and Engineering</i> , <b>1988</b> , 99, 475-481		34
170	An attempt at preparation of corrosion-resistant bulk amorphous Ni <sub>40</sub> Cr <sub>10</sub> Ta <sub>10</sub> Mo <sub>10</sub> B <sub>10</sub> alloys. <i>Corrosion Science</i> , <b>2001</b> , 43, 183-191	6.8	33
169	The sulphidation and oxidation behaviour of sputter-deposited amorphous Al <sub>2</sub> Mo alloys at high temperatures. <i>Corrosion Science</i> , <b>1993</b> , 34, 183-200	6.8	33
168	The pitting corrosion behavior of sputter-deposited amorphous Al <sub>2</sub> Ti alloys in a neutral chloride-containing solution. <i>Journal of Non-Crystalline Solids</i> , <b>1990</b> , 125, 25-31	3.9	33
167	An auger electron spectroscopic study of the corrosion behavior of an amorphous Zr <sub>40</sub> Cu <sub>60</sub> alloy. <i>Corrosion Science</i> , <b>1997</b> , 39, 95-106	6.8	32
166	Anodic characteristics of amorphous ternary palladium-phosphorus alloys containing ruthenium, rhodium, iridium, or platinum in a hot concentrated sodium chloride solution. <i>Journal of Applied Electrochemistry</i> , <b>1983</b> , 13, 295-306	2.6	32
165	The corrosion behavior of sputter-deposited Mo <sub>2</sub> Ta alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1996</b> , 38, 397-411	6.8	31
164	An XPS study of the corrosion behavior of sputter-deposited amorphous Cr-Nb and Cr-Ta alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1994</b> , 36, 511-523	6.8	31
163	The pitting corrosion behavior of rapidly solidified aluminum alloys. <i>Corrosion Science</i> , <b>1986</b> , 26, 795-812	6.8	31
162	The corrosion behaviour of nickel in hydrogen chloride gas and gas mixtures of hydrogen chloride and oxygen at high temperatures. <i>Corrosion Science</i> , <b>1982</b> , 22, 901-912	6.8	31
161	Durability enhancement and degradation of oxygen evolution anodes in seawater electrolysis for hydrogen production. <i>Applied Surface Science</i> , <b>2011</b> , 257, 8230-8236	6.7	30
160	Extremely high corrosion resistance of chromium-containing amorphous iron alloys. <i>Materials Science and Engineering</i> , <b>1976</b> , 23, 285-288		30

159	Electrochemical characterization of degradation of oxygen evolution anode for seawater electrolysis. <i>Electrochimica Acta</i> , <b>2014</b> , 116, 152-157	6.7	29
158	Effects of Additional Elements on Electrocatalytic Properties of Thermally Decomposed Manganese Oxide Electrodes for Oxygen Evolution from Seawater. <i>Materials Transactions, JIM</i> , <b>1997</b> , 38, 899-905		29
157	The corrosion behavior of sputter-deposited amorphous W?Ti alloys in 6 M HCl solution. <i>Corrosion Science</i> , <b>1995</b> , 37, 2071-2086	6.8	29
156	The corrosion behavior of sputter-deposited amorphous copper-niobium alloys in 12 N HCl. <i>Corrosion Science</i> , <b>1991</b> , 32, 1213-1225	6.8	29
155	Mn-Mo-Sn Oxide Anodes for Oxygen Evolution in Seawater Electrolysis for Hydrogen Production. <i>ECS Transactions</i> , <b>2009</b> , 25, 127-137	1	28
154	The corrosion behavior of sputter-deposited Cr-Mo alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1995</b> , 37, 1843-1860	6.8	28
153	The corrosion behavior of sputter-deposited Mo-Nb alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1996</b> , 38, 1731-1750	6.8	28
152	On the unusual morphology of pitting corrosion of amorphous Ni?Zr alloys. <i>Corrosion Science</i> , <b>1993</b> , 34, 445-459	6.8	28
151	Surface activation of manganese oxide electrode for oxygen evolution from seawater. <i>Journal of Applied Electrochemistry</i> , <b>1997</b> , 27, 1362-1368	2.6	27
150	Anodically deposited manganese-molybdenum-tungsten oxide anodes for oxygen evolution in seawater electrolysis. <i>Journal of Applied Electrochemistry</i> , <b>2002</b> , 32, 993-1000	2.6	27
149	The corrosion behavior of sputter-deposited Al?Zr alloys in 1 M HCl solution. <i>Corrosion Science</i> , <b>1992</b> , 33, 425-436	6.8	27
148	The corrosion behavior of sputter-deposited Al-Ti alloys in 1 N HCl. <i>Corrosion Science</i> , <b>1991</b> , 32, 327-335	6.8	27
147	Anodic characteristics of amorphous nickel-titanium metal alloys containing small amounts of platinum group elements in 0.5 M NaCl. <i>Journal of Applied Electrochemistry</i> , <b>1987</b> , 17, 347-356	2.6	27
146	Electrochemical and xps studies of the corrosion behavior of sputter-deposited amorphous W-Zr alloys in 6 and 12 M HCl solutions. <i>Corrosion Science</i> , <b>1997</b> , 39, 355-375	6.8	26
145	The sulfidation and oxidation behavior of sputter-deposited amorphous Al-Nb alloys at high temperatures. <i>Corrosion Science</i> , <b>1996</b> , 38, 1431-1447	6.8	26
144	The corrosion behavior of amorphous Ni?Cr?P alloys in concentrated hydrofluoric acid. <i>Corrosion Science</i> , <b>1992</b> , 33, 1519-1528	6.8	26
143	The effect of microcrystallites in the amorphous matrix on the corrosion behavior of melt-spun Cr?Ni?P alloys. <i>Corrosion Science</i> , <b>1991</b> , 32, 433-442	6.8	26
142	Nanocrystalline manganese-molybdenum-tungsten oxide anodes for oxygen evolution in seawater electrolysis. <i>Scripta Materialia</i> , <b>2001</b> , 44, 1659-1662	5.6	25

141	The corrosion behavior of sputter-deposited amorphous Al <sub>2</sub> Cr <sub>2</sub> Mo alloys in 1 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 279-292	6.8	25
140	The influences of Mo addition and air exposure on the corrosion behavior of amorphous Fe <sub>78</sub> Cr <sub>13</sub> P <sub>7</sub> C alloy in de-aerated 1 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 349-365	6.8	25
139	XPS study of surface film on nickel alloys in hot concentrated NaOH. <i>Corrosion Science</i> , <b>1979</b> , 19, 427-435	6.8	25
138	The surface film formed on amorphous Pd-Ti-P alloy by anodic polarization in 2 m NaCl solution. <i>Electrochimica Acta</i> , <b>1980</b> , 25, 1091-1094	6.7	25
137	The corrosion behaviour of sputter-deposited amorphous Mn-Ti alloys in 0.5 M NaCl solutions. <i>Corrosion Science</i> , <b>1997</b> , 39, 305-320	6.8	24
136	Nanocrystalline electrodeposited Ni <sub>50</sub> Mo <sub>50</sub> cathodes for hydrogen production. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 375-377, 942-943	5.3	24
135	The anodic polarization behavior of amorphous Pd <sub>70</sub> Ti <sub>30</sub> P alloys in NaCl solutions. <i>Electrochimica Acta</i> , <b>1980</b> , 25, 1215-1220	6.7	24
134	Electrochemical and XPS studies of the corrosion behavior of sputter-deposited W-Nb alloys in concentrated hydrochloric acid solutions. <i>Corrosion Science</i> , <b>1998</b> , 40, 19-42	6.8	23
133	The corrosion behavior of sputter-deposited amorphous Cr-Ni-Mo alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1994</b> , 36, 1395-1410	6.8	23
132	Electrodeposited Co-Mo-C Cathodes for Hydrogen Evolution in a Hot Concentrated NaOH Solution. <i>Journal of the Electrochemical Society</i> , <b>2003</b> , 150, C717	3.9	22
131	Corrosion behaviour of amorphous Ni <sub>50</sub> Cr <sub>50</sub> bulk alloys in 6M HCl solution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2001</b> , 318, 77-86	5.3	22
130	High temperature oxidation of a Nb <sub>50</sub> Al <sub>50</sub> coating sputter-deposited on titanium. <i>Corrosion Science</i> , <b>2000</b> , 42, 721-729	6.8	22
129	Synergistic effect of three corrosion-resistant elements on corrosion resistance in concentrated hydrochloric acid. <i>Corrosion Science</i> , <b>2001</b> , 43, 171-182	6.8	22
128	Ni <sub>50</sub> Mo <sub>50</sub> alloy cathodes for hydrogen evolution in hot concentrated NaOH solution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 246-253	5.3	22
127	The corrosion behavior of amorphous and crystalline Ni-10Ta-20P alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 1269-1279	6.8	22
126	X-ray photoelectron spectroscopy for corrosion studies. <i>Langmuir</i> , <b>1987</b> , 3, 897-904	4	22
125	Anodic characteristics of amorphous palladium-iridium-phosphorus alloys in a hot concentrated sodium chloride solution. <i>Journal of Non-Crystalline Solids</i> , <b>1983</b> , 54, 85-100	3.9	22
124	The sulfidation and oxidation behavior of sputter-deposited amorphous Al-Nb-Si alloys at high temperatures. <i>Corrosion Science</i> , <b>1997</b> , 39, 9-26	6.8	21

123	Electrochemical and XPS studies on the passivation behavior of sputter-deposited W-Cr Alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1998</b> , 40, 155-175	6.8	21
122	Pitting potential and structure of sputter-deposited Al-Ti alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 134, 1054-1057	5.3	21
121	The corrosion behavior of amorphous Ni-Cr-19p alloys in hydrochloric acid. <i>Corrosion Science</i> , <b>1992</b> , 33, 667-679	6.8	21
120	An X-ray photoelectron spectroscopic study of electrocatalytic activity for chlorine evolution on amorphous palladium-phosphorus alloys containing rhodium, iridium or platinum. <i>Electrochimica Acta</i> , <b>1986</b> , 31, 481-488	6.7	21
119	An XPS study of passive films on Nickel and alloy 600 in acids. <i>Corrosion Science</i> , <b>1985</b> , 25, 1103-1114	6.8	21
118	The solubility of FeOOH in perchloric acid at 25°C. <i>Corrosion Science</i> , <b>1973</b> , 13, 229-231	6.8	21
117	Corrosion behaviour of sputter-deposited Mg-Zr alloys in a borate buffer solution. <i>Corrosion Science</i> , <b>2011</b> , 53, 2988-2993	6.8	20
116	The sulfidation and oxidation behavior of sputter-deposited Al-Ta alloys at high temperatures. <i>Corrosion Science</i> , <b>1997</b> , 39, 59-76	6.8	20
115	The degradation of the corrosion resistance of sputter-deposited chromium-titanium alloys by nanoscale heterogeneity. <i>Corrosion Science</i> , <b>1999</b> , 41, 1871-1890	6.8	20
114	Some corrosion characteristics of stainless surface alloys laser processed on a mild steel. <i>Corrosion Science</i> , <b>1986</b> , 26, 311-317	6.8	20
113	The effect of structural relaxation on the corrosion behaviour of amorphous (Ni <sub>75</sub> Pd <sub>25</sub> ) <sub>82</sub> Si <sub>18</sub> alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1986</b> , 86, 121-136	3.9	20
112	Fractographic study of amorphous iron-base alloys embrittled by hydrogen and heat-treatment. <i>Scripta Metallurgica</i> , <b>1980</b> , 14, 41-45		20
111	The effects of alloying elements on the passivity of sputter-deposited amorphous Al-Cr-Mo alloys in 1M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 1281-1294	6.8	19
110	The corrosion behaviour of sputter-deposited amorphous Ni-Ti alloys in 1 M HCl. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1128-1132	5.3	19
109	Amorphous nickel-base alloy catalysts for oxidation of carbon monoxide by oxygen and nitrogen monoxide. <i>Applied Catalysis</i> , <b>1991</b> , 76, 79-93		19
108	The Effect of Tungsten on the Corrosion Behavior of Amorphous Fe-Cr-W-P-C Alloys in 1M HCl. <i>Journal of the Electrochemical Society</i> , <b>1991</b> , 138, 76-81	3.9	19
107	Effects of nanoscale heterogeneity on the corrosion behavior of non-equilibrium alloys. <i>Scripta Materialia</i> , <b>2001</b> , 44, 1655-1658	5.6	18
106	A study of the structure of a passive film using angle-resolved X-ray photo-electron spectroscopy. <i>Corrosion Science</i> , <b>1996</b> , 38, 1127-1140	6.8	18

105	The effect of hydrogen on the passivity of iron-based and nickel-based amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 134, 1074-1077	5.3	18
104	Anodic characteristics of amorphous palladium-base alloys in sodium chloride solutions. <i>Journal of Applied Electrochemistry</i> , <b>1986</b> , 16, 565-574	2.6	18
103	Vitrification of Pd?Cu?Si alloy by laser-surface treatment. <i>Scripta Metallurgica</i> , <b>1984</b> , 18, 1215-1218		18
102	Spontaneously passivated films on sputter-deposited Cr-Ti alloys in 6 M HCl solution. <i>Corrosion Science</i> , <b>1997</b> , 39, 935-948	6.8	16
101	Roles of aluminium and chromium in sulfidation and oxidation of sputter-deposited Al- and Cr-refractory metal alloys. <i>Corrosion Science</i> , <b>2002</b> , 44, 285-301	6.8	16
100	Oxidation Behavior of Amorphous Ni-Zr and Ni-Zr-Sm Alloys. <i>Journal of the Electrochemical Society</i> , <b>2000</b> , 147, 4502	3.9	16
99	The corrosion behavior of sputter-deposited amorphous Fe?Cr?Ni?Ta alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1999</b> , 41, 1849-1869	6.8	16
98	Phases in sputter-deposited Cu?Ta alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1992</b> , 156, 211-216	5.3	16
97	The corrosion behavior of melt-spun Cr?Ni?20P alloys in concentrated hydrochloric and hydrofluoric acids. <i>Corrosion Science</i> , <b>1993</b> , 34, 201-215	6.8	16
96	The effects of structural relaxation and crystallization on the corrosion behavior of electrodeposited amorphous Ni?P alloys. <i>Corrosion Science</i> , <b>1991</b> , 32, 1227-1235	6.8	16
95	Production of Ni-Pd-Si and Ni-Pd-P amorphous wires and their mechanical and corrosion properties. <i>Journal of Materials Science</i> , <b>1985</b> , 20, 97-104	4.3	16
94	The roles of tantalum and phosphorus in the corrosion behavior of Ni-Ta-P alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1997</b> , 39, 321-332	6.8	15
93	The corrosion behaviour of sputter-deposited amorphous Mn-Ta alloys in 0.5 M NaCl solution. <i>Corrosion Science</i> , <b>1997</b> , 39, 1965-1979	6.8	15
92	Effects of nanocrystalline heterogeneity on the corrosion behavior of sputter-deposited chromium?tantalum alloys. <i>Corrosion Science</i> , <b>2000</b> , 42, 361-382	6.8	15
91	Electrochemical and XPS studies of the effects of alloying elements on the corrosion behavior of amorphous Fe?Cr?Metalloid alloys in 9 M H <sub>2</sub> SO <sub>4</sub> . <i>Corrosion Science</i> , <b>1993</b> , 34, 1829-1839	6.8	15
90	Laser and electron beam processing of electrodes consisting of amorphous nickel-valve metal-platinum-group metal surface alloys on valve metals. <i>Materials Science and Engineering</i> , <b>1988</b> , 99, 489-492		15
89	Amorphous alloy catalysts for electro-oxidation of methanol and its derivatives in a sulphuric acid solution. <i>Materials Science and Engineering</i> , <b>1988</b> , 99, 521-524		15
88	Surface vitrification of Fe-based alloys by laser treatment. <i>Journal of Non-Crystalline Solids</i> , <b>1984</b> , 68, 261-269	3.9	15

87	The effect of structural heterogeneity on the pitting corrosion behavior of melt-spun amorphous Ni <sub>2</sub> Zr alloys. <i>Corrosion Science</i> , <b>1997</b> , 39, 2005-2018	6.8	14
86	XPS and electrochemical studies on the corrosion behaviour of sputter-deposited amorphous Mn-Nb alloys in a neutral chloride solution. <i>Corrosion Science</i> , <b>1998</b> , 40, 1513-1531	6.8	14
85	Anodically Deposited Mn-Mo-Fe Oxide Anodes for Oxygen Evolution in Hot Seawater Electrolysis. <i>Materials Transactions</i> , <b>2003</b> , 44, 2114-2123	1.3	14
84	Mn–W Oxide Anodes Prepared by Thermal Decomposition for Oxygen Evolution in Seawater Electrolysis. <i>Materials Transactions, JIM</i> , <b>1998</b> , 39, 308-313		14
83	Chemical diffusion in non-stoichiometric metal sulphides. <i>Journal of Materials Science</i> , <b>1995</b> , 30, 4801-4816		14
82	An RBS study of the sulphidation behaviour of niobium and Nb <sub>2</sub> Al alloys. <i>Corrosion Science</i> , <b>1995</b> , 37, 801-810	6.8	14
81	The corrosion behavior of amorphous Fe-8Cr-13P-7C and Fe-8Cr-20P alloys in concentrated sulfuric acid. <i>Corrosion Science</i> , <b>1994</b> , 36, 1537-1550	6.8	14
80	The effect of molybdenum on the corrosion behavior of amorphous Fe <sub>2</sub> Cr <sub>2</sub> Mo <sub>2</sub> P <sub>2</sub> C alloys in hydrochloric acid. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 134, 1033-1036	5.3	14
79	Amorphous nickel-valve metal-platinum group metal alloy electrodes for hydrogen-oxygen sulphuric acid fuel cells. <i>Journal of Applied Electrochemistry</i> , <b>1992</b> , 22, 1017-1024	2.6	14
78	Analysis of hydrogen in corrosion product films on amorphous alloy using the elastic recoil detection technique. <i>Nuclear Instruments &amp; Methods in Physics Research</i> , <b>1983</b> , 218, 598-600		14
77	The use of renewable energy in the form of methane via electrolytic hydrogen generation using carbon dioxide as the feedstock. <i>Applied Surface Science</i> , <b>2016</b> , 388, 608-615	6.7	13
76	An angle-resolved xps study of the in-depth structure of passivated amorphous aluminum alloys. <i>Corrosion Science</i> , <b>1997</b> , 39, 1351-1364	6.8	13
75	Corrosion-resistant amorphous aluminum alloys and structure of passive films. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 920-924	5.3	13
74	An XPS study of passive films on sputter-deposited Cr-Nb alloys in 12 M HCl solution. <i>Corrosion Science</i> , <b>1998</b> , 40, 821-838	6.8	13
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72	XPS and electrochemical studies of a melt-spun high chromium-nickel-phosphorus alloy in 6 M HCl. <i>Corrosion Science</i> , <b>1992</b> , 33, 103-112	6.8	13
71	The effect of magnesium on the corrosion behavior of sputter-deposited amorphous Al <sub>2</sub> Mg <sub>2</sub> Ti ternary alloys in a neutral chloride solution. <i>Corrosion Science</i> , <b>1993</b> , 34, 27-40	6.8	13
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68	The effect of phosphorus addition on the corrosion behavior of amorphous Fe-8Cr-P alloys in 9M H <sub>2</sub> SO <sub>4</sub> . <i>Corrosion Science</i> , <b>1995</b> , 37, 709-722	6.8	12
67	High Temperature Sulfidation and Oxidation Behavior of Sputter-Deposited Al-refractory Metal Alloys. <i>Materials Transactions, JIM</i> , <b>1996</b> , 37, 379-382		12
66	On the growth mechanism of the sulphide scale on amorphous Al <sub>2</sub> Mo alloys. <i>Corrosion Science</i> , <b>1994</b> , 36, 199-202	6.8	12
65	Recent studies of chemical properties of amorphous alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 133, 22-25	5.3	12
64	The stability of passive state of melt-spun amorphous chromium-base alloys. <i>Corrosion Science</i> , <b>1990</b> , 31, 355-360	6.8	12
63	Preparation of amorphous palladium-base surface alloys on conventional crystalline metals by laser treatment. <i>Journal of Non-Crystalline Solids</i> , <b>1986</b> , 87, 123-136	3.9	12
62	Electrodeposited Co-Ni-Fe-C Alloys for Hydrogen Evolution in a Hot 8 kmol·m <sup>-3</sup> NaOH. <i>Materials Transactions</i> , <b>2006</b> , 47, 2860-2866	1.3	11
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60	Change in the surface composition of amorphous Fe <sub>2</sub> Cr <sub>2</sub> Mo <sub>2</sub> P <sub>2</sub> C alloys during air exposure. <i>Corrosion Science</i> , <b>1995</b> , 37, 331-341	6.8	11
59	The sulfidation of sputter-deposited niobium-base aluminum alloys. <i>Corrosion Science</i> , <b>1995</b> , 37, 1045-1058		11
58	New amorphous alloys resistant to high temperature corrosion. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1099-1103	5.3	11
57	The corrosion behavior of Cr <sub>2</sub> P alloys in hydrofluoric acid. <i>Corrosion Science</i> , <b>1993</b> , 34, 599-613	6.8	11
56	Superlattice-like structure of sputter-deposited amorphous aluminum-heavy element alloys. <i>Journal of Non-Crystalline Solids</i> , <b>1989</b> , 110, 258-264	3.9	11
55	Laser-processed electrodes consisting of amorphous nickel-niobium-platinum group metal surface alloys on niobium. <i>Journal of Non-Crystalline Solids</i> , <b>1987</b> , 93, 78-92	3.9	11
54	Electrochemical and XPS studies of the corrosion behavior of sputter-deposited amorphous Fe <sub>2</sub> Cr <sub>2</sub> Ni <sub>2</sub> Nb alloys in 6 M HCl. <i>Corrosion Science</i> , <b>1999</b> , 41, 1095-1118	6.8	10
53	The effect of phosphorus addition on the corrosion behavior of amorphous Ni-30Ta-P alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1995</b> , 37, 321-330	6.8	10
52	The high temperature sulfidation behavior of Nb-Al-Si coatings sputter-deposited on a stainless steel. <i>Corrosion Science</i> , <b>1996</b> , 38, 2031-2042	6.8	10

51	The effect of molybdenum on the stability of passive films formed on amorphous Fe-Cr-Mo-P-C alloys by potentiostatic polarization in deaerated 1 M HCl. <i>Corrosion Science</i> , <b>1997</b> , 39, 589-603	6.8	9
50	Electrochemical and XPS studies of the passivation behavior of sputter-deposited Cr-Ta alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1998</b> , 40, 1587-1604	6.8	9
49	Decomposition of nitrogen monoxide over Ni-Ta <sub>2</sub> O <sub>6</sub> -supported palladium catalysts prepared from amorphous alloy precursors. <i>Applied Catalysis B: Environmental</i> , <b>1996</b> , 9, 93-106	21.8	9
48	Nitrogen monoxide decomposition catalysts prepared from amorphous Ni- $\nu$ -metal-Pd alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1123-1127	5.3	9
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46	The effect of phosphorus on the passivation behavior of Ni-10Ta-P alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1995</b> , 37, 1313-1324	6.8	8
45	The sulphidation behavior of Mo-Al alloys with low aluminum contents. <i>Corrosion Science</i> , <b>1994</b> , 36, 1499-1511	6.8	8
44	The influence of coating solution and calcination condition on the durability of Ir <sub>1-x</sub> Sn <sub>x</sub> O <sub>2</sub> /Ti anodes for oxygen evolution. <i>Applied Surface Science</i> , <b>2016</b> , 388, 640-644	6.7	8
43	The sulfidation and oxidation behavior of sputter-deposited Al-Ta-Si alloys at high temperatures. <i>Corrosion Science</i> , <b>1997</b> , 39, 1571-1583	6.8	7
42	Oxidation behavior of sputter-deposited Cu-Ta alloys in air. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 925-929	5.3	7
41	The influence of concentration of hydrochloric acid solutions on the passivation behavior of sputter-deposited tungsten rich W-Nb alloys. <i>Corrosion Science</i> , <b>1998</b> , 40, 1897-1914	6.8	7
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39	Amorphous Ni-Nb-Pt alloy catalysts for electro-oxidation of ethylene. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1137-1140	5.3	7
38	Compositions of amorphous Ni-Fe-P alloy surfaces. <i>Journal of Non-Crystalline Solids</i> , <b>1984</b> , 64, 135-147	3.9	7
37	The pitting corrosion behavior of rapidly solidified Fe-Cr alloys in 0.5 M NaCl solution. <i>Corrosion Science</i> , <b>1986</b> , 26, 467-471	6.8	7
36	The Use of Renewable Energy in the Form of Methane Via Electrolytic Hydrogen Generation / Zastosowanie Odnawialnej Energii W Formie Metanu Na Drodze Elektrolitycznej Produkcji Wodoru. <i>Archives of Metallurgy and Materials</i> , <b>2013</b> , 58, 231-239		6
35	The influence of pre-immersion on the potentiostatic polarization behavior of amorphous Fe-Cr-Mo-P-C alloys in de-aerated 1 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 1495-1511	6.8	6
34	Corrosion behavior of sputter-deposited Co-base alloy films in neutral solutions. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1109-1113	5.3	6

33	Energy-saving seawater electrolysis for hydrogen production. <i>Journal of Solid State Electrochemistry</i> , <b>2009</b> , 13, 219-224	2.6	5
32	Materials and Technology for supply of renewable energy and prevention of global warming. <i>Journal of Physics: Conference Series</i> , <b>2009</b> , 144, 012009	0.3	5
31	Passivity and its breakdown on sputter-deposited amorphous Mn-Zr alloys in neutral chloride solutions. <i>Corrosion Science</i> , <b>1998</b> , 40, 235-250	6.8	5
30	Hydrogen Evolution Characteristics of Sputter-Deposited Co&ndash;Mo, Co&ndash;Al and Co&ndash;Mo&ndash;Al Alloy Electrodes in NaOH Solution. <i>Materials Transactions, JIM</i> , <b>1998</b> , 39, 1017-1023		5
29	Sulfidation- and oxidation-resistant alloys prepared by sputter deposition. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 267-276	5.3	5
28	Corrosion-resistant Mn?Zr?Cr alloys in chloride-containing media. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 285-293	5.3	5
27	The effect of microcrystallites in the amorphous matrix on the corrosion behavior of amorphous Fe-8Cr-P alloys. <i>Corrosion Science</i> , <b>1995</b> , 37, 1411-1422	6.8	5
26	The Corrosion Behavior of Ni&ndash;Ta&ndash;5P Alloys in Concentrated Hydrochloric Acid. <i>Materials Transactions, JIM</i> , <b>1996</b> , 37, 383-388		5
25	Decomposition of Nitrogen Monoxide over Amorphous Co&ndash;65Zr Alloys Containing Platinum Group Elements. <i>Materials Transactions, JIM</i> , <b>1993</b> , 34, 725-731		5
24	Highly corrosion-resistant amorphous Cr?Ni?P alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1114-1118	5.3	5
23	Amorphous alloy catalysts for decomposition of CCl <sub>2</sub> F <sub>2</sub> by hydrolysis. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1091-1094	5.3	5
22	XPS analysis of amorphous Ni?Nb?Sn?Pt alloy catalysts for electro-oxidation of formaldehyde. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 134, 1070-1073	5.3	5
21	Anodic Characteristics of a Laser-Processed Palladium-Base Amorphous Surface Alloy on a Crystalline Nickel in a Sodium Chloride Solution. <i>Journal of the Electrochemical Society</i> , <b>1986</b> , 133, 1876-1879	3.9	5
20	The sulfidation and oxidation behavior of sputter-deposited Cr-refractory metal alloys at high temperatures. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1997</b> , 226-228, 910-914	5.3	4
19	Angle-resolved XPS for determination of diffusion coefficients and mobilities of cations in thin passive films. <i>Surface and Interface Analysis</i> , <b>2000</b> , 30, 106-111	1.5	4
18	The effect of phosphorus addition on the corrosion behavior of ARC-MELTED Ni?10Ta?P alloys in 12 M HCl. <i>Corrosion Science</i> , <b>1996</b> , 38, 469-485	6.8	4
17	Ion beam analyses of surface films formed on amorphous Fe?12Mo?18C alloy in 1 N HCl. <i>Corrosion Science</i> , <b>1983</b> , 23, 1207-1217	6.8	4
16	Amorphous Fe?Cr?Mo?13P?7C alloys unsusceptible to hydrogen embrittlement in deaerated solutions of different pH. <i>Journal of Non-Crystalline Solids</i> , <b>1985</b> , 70, 55-68	3.9	4

15	Electrodeposited Co-Fe and Co-Fe-C Alloys for Hydrogen Evolution in a Hot 8 kmol m <sup>-3</sup> NaOH Solution. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>2004</b> , 68, 456-461	0.4	3
14	Electrochemical behavior of a quasi-crystalline Al <sub>70</sub> Pd <sub>20</sub> Mn <sub>10</sub> alloy in a chloride-containing solution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1141-1144	5.3	3
13	Amorphous alloy surface.. <i>ISIJ International</i> , <b>1989</b> , 29, 539-549	1.7	3
12	Spontaneous passivity of amorphous bulk Ni <sub>40</sub> Cr <sub>10</sub> Ta <sub>10</sub> Mo <sub>10</sub> Nb <sub>10</sub> P alloys in concentrated hydrochloric acids. <i>Journal of Solid State Electrochemistry</i> , <b>2009</b> , 13, 293-299	2.6	2
11	Amorphous alloy electrodes for anodic oxidation of sulfite. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1081-1084	5.3	2
10	Effect of phosphorus on the passivation behavior of amorphous Fe <sub>78</sub> Cr <sub>13</sub> P <sub>7</sub> C alloy in 9M H <sub>2</sub> SO <sub>4</sub> solution. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1994</b> , 181-182, 1119-1122	5.3	2
9	Passivity of amorphous and crystalline Ni <sub>70</sub> Ti <sub>30</sub> alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1991</b> , 134, 1025-1028	5.3	2
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7	NO decomposition catalysts prepared from amorphous Ni <sub>40</sub> Ta <sub>10</sub> Pd <sub>50</sub> alloys. <i>Applied Catalysis B: Environmental</i> , <b>1997</b> , 11, 243-255	21.8	1
6	The sulfidation and oxidation behavior of sputter-deposited Al <sub>70</sub> Nb <sub>20</sub> Mo <sub>10</sub> alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>1999</b> , 267, 277-284	5.3	1
5	XPS Study of Ni-Mo-B Amorphous Ultra-fine Particles Prepared by Chemical Reduction. <i>Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals</i> , <b>1996</b> , 60, 79-83	0.4	1
4	The Microcomposite Structure of Catalysts Prepared by Oxidation of Amorphous Ni-Ta-Pd Alloys. <i>Materials Transactions, JIM</i> , <b>1997</b> , 38, 123-132		
3	Application of Sputter Deposition Technique to the Preparation of Amorphous Alloy-Derived Catalysts for NO Decomposition. <i>Materials Transactions, JIM</i> , <b>1997</b> , 38, 643-649		
2	XPS Determination of Diffusion Coefficients of Cations in Thin Passive Films on Alloys. <i>Solid State Phenomena</i> , <b>2000</b> , 72, 79-84	0.4	
1	Effect of cathodic reduction on catalytic activity of amorphous alloy electrodes for electrooxidation of sulfite. <i>Journal of Applied Electrochemistry</i> , <b>1995</b> , 25, 953	2.6	