Koij Hashimoto

List of Publications by Year in Descending Order

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	Highly active Ni/Y-doped ZrO2 catalysts for CO2 methanation. *Applied Surface Science*, **2016**, 388, 653-663	6.7	77
247	The use of renewable energy in the form of methane via electrolytic hydrogen generation using carbon dioxide as the feedstock. *Applied Surface Science*, **2016**, 388, 608-615	6.7	13
246	The influence of coating solution and calcination condition on the durability of Ir1-xSnxO2/Ti anodes for oxygen evolution. *Applied Surface Science*, **2016**, 388, 640-644	6.7	8
245	CO2 methanation of Ni catalysts supported on tetragonal ZrO2 doped with Ca2+ and Ni2+ ions. *International Journal of Hydrogen Energy*, **2015**, 40, 8347-8355	6.7	53
244	Electrochemical characterization of degradation of oxygen evolution anode for seawater electrolysis. *Electrochimica Acta*, **2014**, 116, 152-157	6.7	29
243	Carbon dioxide: A new material for energy storage. *Progress in Natural Science: Materials International*, **2014**, 24, 295-304	3.6	42
242	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. *Archives of Metallurgy and Materials*, **2013**, 58, 231-239		6
241	Corrosion behaviour of sputter-deposited Mg□Zr alloys in a borate buffer solution. *Corrosion Science*, **2011**, 53, 2988-2993	6.8	20
240	Durability enhancement and degradation of oxygen evolution anodes in seawater electrolysis for hydrogen production. *Applied Surface Science*, **2011**, 257, 8230-8236	6.7	30
239	What we have learned from studies on chemical properties of amorphous alloys?. *Applied Surface Science*, **2011**, 257, 8141-8150	6.7	37
238	The effect of heat treatment on the performance of the Ni/(Zr-Sm oxide) catalysts for carbon dioxide methanation. *Applied Surface Science*, **2011**, 257, 8171-8176	6.7	37
237	Mn-Mo-Sn Oxide Anodes for Oxygen Evolution in Seawater Electrolysis for Hydrogen Production. *ECS Transactions*, **2009**, 25, 127-137	1	28
236	Energy-saving seawater electrolysis for hydrogen production. *Journal of Solid State Electrochemistry*, **2009**, 13, 219-224	2.6	5
235	Spontaneous passivity of amorphous bulk Ni□Cr□Ta□Mo□Nb□P alloys in concentrated hydrochloric acids. *Journal of Solid State Electrochemistry*, **2009**, 13, 293-299	2.6	2
234	Mn-Mo-W Oxide Anodes for Oxygen Evolution in Seawater Electrolysis for Hydrogen Production. *Materials Transactions*, **2009**, 50, 1969-1977	1.3	34
233	Materials and Technology for supply of renewable energy and prevention of global warming. *Journal of Physics: Conference Series*, **2009**, 144, 012009	0.3	5
232	The role of corrosion-resistant alloying elements in passivity. *Corrosion Science*, **2007**, 49, 42-52	6.8	110

231	Effect of tetragonal ZrO2 on the catalytic activity of Ni/ZrO2 catalyst prepared from amorphous Ni□r alloys. *Catalysis Communications*, **2006**, 7, 24-28	3.2	105
230	Electrodeposited Co-Ni-Fe-C Alloys for Hydrogen Evolution in a Hot 8 kmol·m−3 NaOH. *Materials Transactions*, **2006**, 47, 2860-2866	1.3	11
229	Nanocrystalline Manganese-Molybdenum-Tungsten Oxide Anodes for Oxygen Evolution in Acidic Seawater Electrolysis. *Materials Transactions*, **2005**, 46, 309-316	1.3	37
228	Nanocrystalline electrodeposited Ni□Mo□ cathodes for hydrogen production. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 375-377, 942-945	5.3	24
227	Electrodeposited Co-Fe and Co-Fe-C Alloys for Hydrogen Evolution in a Hot 8 kmol m-3 NaOH Solution. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **2004**, 68, 456-461	0.4	3
226	Anodically Deposited Mn-Mo-Fe Oxide Anodes for Oxygen Evolution in Hot Seawater Electrolysis. *Materials Transactions*, **2003**, 44, 2114-2123	1.3	14
225	Electrodeposited Co-Fe and Co-Fe-C Alloys for Hydrogen Evolution in a Hot 8 kmol m-3 NaOH Solution. *Materials Transactions*, **2003**, 44, 2350-2355	1.3	12
224	Electrodeposited Co-Mo-C Cathodes for Hydrogen Evolution in a Hot Concentrated NaOH Solution. *Journal of the Electrochemical Society*, **2003**, 150, C717	3.9	22
223	Importance of initial surface film in the degradation of stainless steels by atmospheric exposure. *Corrosion Science*, **2003**, 45, 2263-2283	6.8	43
222	Anodically deposited manganese□olybdenum□ungsten oxide anodes for oxygen evolution in seawater electrolysis. *Journal of Applied Electrochemistry*, **2002**, 32, 993-1000	2.6	27
221	Roles of aluminium and chromium in sulfidation and oxidation of sputter-deposited Al- and Cr-refractory metal alloys. *Corrosion Science*, **2002**, 44, 285-301	6.8	16
220	Roles of temperature and humidity in the oxidation of sputter-deposited Cu□a alloys in air. *Corrosion Science*, **2002**, 44, 331-344	6.8	11
219	Materials for global carbon dioxide recycling. *Corrosion Science*, **2002**, 44, 371-386	6.8	53
218	Advanced materials for global carbon dioxide recycling. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 304-306, 88-96	5.3	46
217	Highly corrosion-resistant Ni-based bulk amorphous alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 304-306, 753-757	5.3	68
216	Preparation of corrosion-resistant amorphous Ni□r□□ bulk alloys containing molybdenum and tantalum. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 304-306, 696-700	5.3	41
215	Corrosion behaviour of amorphous Ni□r□b□□ bulk alloys in 6M HCl solution. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2001**, 318, 77-86	5.3	22
214	Nanocrystalline manganese-molybdenum-tungsten oxide anodes for oxygen evolution in seawater electrolysis. *Scripta Materialia*, **2001**, 44, 1659-1662	5.6	25

213	Effects of nanoscale heterogeneity on the corrosion behavior of non-equilibrium alloys. *Scripta Materialia*, **2001**, 44, 1655-1658	5.6	18
212	Synergistic effect of three corrosion-resistant elements on corrosion resistance in concentrated hydrochloric acid. *Corrosion Science*, **2001**, 43, 171-182	6.8	22
211	An attempt at preparation of corrosion-resistant bulk amorphous Ni□Cr□Ta□Mo□P□B alloys. *Corrosion Science*, **2001**, 43, 183-191	6.8	33
210	Angle-resolved XPS for determination of diffusion coefficients and mobilities of cations in thin passive films. *Surface and Interface Analysis*, **2000**, 30, 106-111	1.5	4
209	The durability of manganese□molybdenum oxide anodes for oxygen evolution in seawater electrolysis. *Electrochimica Acta*, **2000**, 45, 2297-2303	6.7	48
208	Oxidation Behavior of Amorphous Ni-Zr and Ni-Zr-Sm Alloys. *Journal of the Electrochemical Society*, **2000**, 147, 4502	3.9	16
207	XPS Determination of Diffusion Coefficients of Cations in Thin Passive Films on Alloys. *Solid State Phenomena*, **2000**, 72, 79-84	0.4	
206	Effects of nanocrystalline heterogeneity on the corrosion behavior of sputter-deposited chromium□niobium alloys. *Corrosion Science*, **2000**, 42, 361-382	6.8	15
205	High temperature oxidation of a Nb□Al□Si coating sputter-deposited on titanium. *Corrosion Science*, **2000**, 42, 721-729	6.8	22
204	Electrodeposited Ni-Fe-C Cathodes for Hydrogen Evolution. *Journal of the Electrochemical Society*, **2000**, 147, 3003	3.9	42
203	Global CO2 recycling□novel materials and prospect for prevention of global warming and abundant energy supply. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 200-206	5.3	85
202	CO2 methanation catalysts prepared from amorphous Ni□Zr□Sm and Ni□Zr□mish metal alloy precursors. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 220-226	5.3	51
201	Ni□Mo□ alloy cathodes for hydrogen evolution in hot concentrated NaOH solution. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 246-253	5.3	22
200	Oxygen evolution on manganese□molybdenum oxide anodes in seawater electrolysis. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 254-259	5.3	56
199	Sulfidation- and oxidation-resistant alloys prepared by sputter deposition. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 267-276	5.3	5
198	The sulfidation and oxidation behavior of sputter-deposited Al?Nb?Mo alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 277-284	5.3	1
197	Corrosion-resistant Mn?Zr?Cr alloys in chloride-containing media. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1999**, 267, 285-293	5.3	5
196	Anodically deposited manganese-molybdenum oxide anodes with high selectivity for evolving oxygen in electrolysis of seawater. *Journal of Applied Electrochemistry*, **1999**, 29, 769-775	2.6	60

195	Electrochemical and XPS studies of the corrosion behavior of sputter-deposited amorphous Fe□Cr□Ni□Nb alloys in 6 M HCl. *Corrosion Science*, **1999**, 41, 1095-1118	6.8	10
194	The corrosion behavior of sputter-deposited amorphous Fe□Cr□Ni□Ta alloys in 12 M HCl. *Corrosion Science*, **1999**, 41, 1849-1869	6.8	16
193	The degradation of the corrosion resistance of sputter-deposited chromium□titanium alloys by nanoscale heterogeneity. *Corrosion Science*, **1999**, 41, 1871-1890	6.8	20
192	Anodically deposited manganese oxide and manganese□tungsten oxide electrodes for oxygen evolution from seawater. *Electrochimica Acta*, **1998**, 43, 3303-3312	6.7	74
191	Electrochemical and XPS studies on the passivation behavior of sputter-deposited W-Cr Alloys in 12 M HCl solution. *Corrosion Science*, **1998**, 40, 155-175	6.8	21
190	Experimental evidence for the critical size of heterogeneity areas for pitting corrosion of Cr-Zr alloys in 6 M HCl. *Corrosion Science*, **1998**, 40, 1-17	6.8	58
189	Electrochemical and XPS studies of the corrosion behavior of sputter-deposited W-Nb alloys in concentrated hydrochloric acid solutions. *Corrosion Science*, **1998**, 40, 19-42	6.8	23
188	Passivity and its breakdown on sputter-deposited amorphous Mn-Zr alloys in neutral chloride solutions. *Corrosion Science*, **1998**, 40, 235-250	6.8	5
187	The passivation behavior of sputter-deposited W-Ta alloys in 12 M HCl. *Corrosion Science*, **1998**, 40, 757-779	6.8	43
186	An XPS study of passive films on sputter-deposited Cr-Nb alloys in 12 M HCl solution. *Corrosion Science*, **1998**, 40, 821-838	6.8	13
185	The effect of alloying elements on the corrosion behaviour of sputter-deposited amorphous Mn□Ta□Cr alloys in 1 M H2SO4. *Corrosion Science*, **1998**, 40, 1491-1512	6.8	8
184	XPS and electrochemical studies on the corrosion behaviour of sputter-deposited amorphous Mn-Nb alloys in a neutral chloride solution. *Corrosion Science*, **1998**, 40, 1513-1531	6.8	14
183	Electrochemical and XPS studies of the passivation behavior of sputter-deposited Cr□Ta alloys in 12 M HCl. *Corrosion Science*, **1998**, 40, 1587-1604	6.8	9
182	The influence of concentration of hydrochloric acid solutions on the passivation behavior of sputter-deposited tungsten rich W□Nb alloys. *Corrosion Science*, **1998**, 40, 1897-1914	6.8	7
181	The effect of heat treatment on the corrosion behavior of sputter-deposited aluminum□chromium alloys. *Corrosion Science*, **1998**, 41, 477-499	6.8	36
180	Co-methanation of carbon monoxide and carbon dioxide on supported nickel and cobalt catalysts prepared from amorphous alloys. *Applied Catalysis A: General*, **1998**, 172, 131-140	5.1	101
179	Characterization of CO2 methanation catalysts prepared from amorphous Ni-Zr and NI-Zr-rare earth element alloys. *Studies in Surface Science and Catalysis*, **1998**, 114, 451-454	1.8	13
178	Hydrogen Evolution Characteristics of Sputter-Deposited Co–Mo, Co–Al and Co–Mo–Al Alloy Electrodes in NaOH Solution. *Materials Transactions, JIM*, **1998**, 39, 1017-1023		5

177	Mn–W Oxide Anodes Prepared by Thermal Decomposition for Oxygen Evolution in Seawater Electrolysis. *Materials Transactions, JIM*, **1998**, 39, 308-313		14
176	The Microcomposite Structure of Catalysts Prepared by Oxidation of Amorphous Ni–Ta–Pd Alloys. *Materials Transactions, JIM*, **1997**, 38, 123-132		
175	Effects of Additional Elements on Electrocatalytic Properties of Thermally Decomposed Manganese Oxide Electrodes for Oxygen Evolution from Seawater. *Materials Transactions, JIM*, **1997**, 38, 899-905		29
174	Application of Sputter Deposition Technique to the Preparation of Amorphous Alloy-Derived Catalysts for NO Decomposition. *Materials Transactions, JIM*, **1997**, 38, 643-649		
173	The sulfidation and oxidation behavior of sputter-deposited amorphous Al-Nb-Si alloys at high temperatures. *Corrosion Science*, **1997**, 39, 9-26	6.8	21
172	The sulfidation and oxidation behavior of sputter-deposited Al-Ta alloys at high temperatures. *Corrosion Science*, **1997**, 39, 59-76	6.8	20
171	An auger electron spectroscopic study of the corrosion behavior of an amorphous Zr40Cu60 alloy. *Corrosion Science*, **1997**, 39, 95-106	6.8	32
170	The corrosion behaviour of sputter-deposited amorphous Mn-Ti alloys in 0.5 M NaCl solutions. *Corrosion Science*, **1997**, 39, 305-320	6.8	24
169	The roles of tantalum and phosphorus in the corrosion behavior of Ni-Ta-P alloys in 12 M HCl. *Corrosion Science*, **1997**, 39, 321-332	6.8	15
168	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. *Corrosion Science*, **1997**, 39, 589-603	6.8	9
167	An angle-resolved xps study of the in-depth structure of passivated amorphous aluminum alloys. *Corrosion Science*, **1997**, 39, 1351-1364	6.8	13
166	An XPS study of passive films on corrosion-resistant Cr?Zr alloys prepared by sputter deposition. *Corrosion Science*, **1997**, 39, 1365-1380	6.8	35
165	The sulfidation and oxidation behavior of sputter-deposited Al?Ta?Si alloys at high temperatures. *Corrosion Science*, **1997**, 39, 1571-1583	6.8	7
164	The corrosion behaviour of sputter-deposited amorphous Mn-Ta alloys in 0.5 M NaCl solution. *Corrosion Science*, **1997**, 39, 1965-1979	6.8	15
163	The effect of structural heterogeneity on the pitting corrosion behavior of melt-spun amorphous Ni?Zr alloys. *Corrosion Science*, **1997**, 39, 2005-2018	6.8	14
162	Spontaneously passivated films on sputter-deposited Cr-Ti alloys in 6 M HCl solution. *Corrosion Science*, **1997**, 39, 935-948	6.8	16
161	Electrochemical and xps studies of the corrosion behavior of sputter-deposited amorphous W-Zr alloys in 6 and 12 M HCl solutions. *Corrosion Science*, **1997**, 39, 355-375	6.8	26
160	NO decomposition catalysts prepared from amorphous NiTaPd alloys. *Applied Catalysis B: Environmental*, **1997**, 11, 243-255	21.8	1

159	Surface activation of manganese oxide electrode for oxygen evolution from seawater. *Journal of Applied Electrochemistry*, **1997**, 27, 1362-1368	2.6	27
158	Compositional dependence of the CO2 methanation activity of Ni/ZrO2 catalysts prepared from amorphous NiZr alloy precursors. *Applied Catalysis A: General*, **1997**, 163, 187-197	5.1	55
157	The sulfidation and oxidation behavior of sputter-deposited Cr-refractory metal alloys at high temperatures. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 910-914	5.3	4
156	Corrosion-resistant amorphous aluminum alloys and structure of passive films. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 920-924	5.3	13
155	Oxidation behavior of sputter-deposited Cu-Ta alloys in air. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 925-929	5.3	7
154	Recent advances in the catalytic properties of metastable materials. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 891-899	5.3	36
153	Characterization of sputter-deposited Ni-Mo and Ni-W alloy electrocatalysts for hydrogen evolution in alkaline solution. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1997**, 226-228, 905-909	5.3	60
152	The corrosion behavior of amorphous and crystalline Ni-10Ta-20P alloys in 12 M HCl. *Corrosion Science*, **1996**, 38, 1269-1279	6.8	22
151	The effects of alloying elements on the passivity of sputter-deposited amorphous Al-Cr-Mo alloys in 1M HCl. *Corrosion Science*, **1996**, 38, 1281-1294	6.8	19
150	The sulfidation and oxidation behavior of sputter-deposited amorphous Al-Nb alloys at high temperatures. *Corrosion Science*, **1996**, 38, 1431-1447	6.8	26
149	The influence of pre-immersion on the potentiostatic polarization behavior of amorphous Fe-Cr-Mo-P-C alloys in de-aerated 1 M HCl. *Corrosion Science*, **1996**, 38, 1495-1511	6.8	6
148	The corrosion behavior of sputter-deposited amorphous Al?Cr?Mo alloys in 1 M HCl. *Corrosion Science*, **1996**, 38, 279-292	6.8	25
147	The influences of Mo addition and air exposure on the corrosion behavior of amorphous Fe?8Cr?13P?7C alloy in de-aerated 1 M HCl. *Corrosion Science*, **1996**, 38, 349-365	6.8	25
146	The corrosion behavior of sputter-deposited Mo?Ta alloys in 12 M HCl solution. *Corrosion Science*, **1996**, 38, 397-411	6.8	31
145	The effect of phosphorus addition on the corrosion behavior of ARC-MELTED Ni?10Ta?P alloys in 12 M HCl. *Corrosion Science*, **1996**, 38, 469-485	6.8	4
144	A study of the structure of a passive film using angle-resolved X-ray photo-electron spectroscopy. *Corrosion Science*, **1996**, 38, 1127-1140	6.8	18
143	The corrosion behavior of sputter-deposited Mo-Ti alloys in concentrated hydrochloric acid. *Corrosion Science*, **1996**, 38, 1649-1667	6.8	42
142	The corrosion behavior of sputter-deposited Mo-Nb alloys in 12 M HCl solution. *Corrosion Science*, **1996**, 38, 1731-1750	6.8	28

141	The role of chromium and molybdenum in passivation of amorphous Fe-Cr-Mo-P-C alloys in deaerated 1 M HCl. *Corrosion Science*, **1996**, 38, 2137-2151	6.8	41
140	The high temperature sulfidation behavior of Nb-Al-Si coatings sputter-deposited on a stainless steel. *Corrosion Science*, **1996**, 38, 2031-2042	6.8	10
139	XPS Study of Ni-Mo-B Amorphous Ultra-fine Particles Prepared by Chemical Reduction. *Nippon Kinzoku Gakkaishi/Journal of the Japan Institute of Metals*, **1996**, 60, 79-83	0.4	1
138	High Temperature Sulfidation and Oxidation Behavior of Sputter-Deposited Al-refractory Metal Alloys. *Materials Transactions, JIM*, **1996**, 37, 379-382		12
137	The Corrosion Behavior of Ni–Ta–5P Alloys in Concentrated Hydrochloric Acid. *Materials Transactions, JIM*, **1996**, 37, 383-388		5
136	Decomposition of nitrogen monoxide over NiTa2O6-supported palladium catalysts prepared from amorphous alloy precursors. *Applied Catalysis B: Environmental*, **1996**, 9, 93-106	21.8	9
135	X-ray Photoelectron Spectroscopy Investigation on the Low-Temperature Degradation of 2 mol% Y2O3-ZrO2 Ceramics. *Journal of the American Ceramic Society*, **1996**, 79, 3109-3112	3.8	36
134	Chemical diffusion in non-stoichiometric metal sulphides. *Journal of Materials Science*, **1995**, 30, 4801-4816	4.5	14
133	Effect of cathodic reduction on catalytic activity of amorphous alloy electrodes for electrooxidation of sulfite. *Journal of Applied Electrochemistry*, **1995**, 25, 953	2.6	
132	Recent progress in corrosion-resistant metastable alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1995**, 198, 1-10	5.3	50
131	The corrosion behavior of sputter-deposited amorphous Mo-Zr alloys in 12 M HCl. *Corrosion Science*, **1995**, 37, 307-320	6.8	36
130	The effect of phosphorus addition on the corrosion behavior of amorphous Ni-30Ta-P alloys in 12 M HCl. *Corrosion Science*, **1995**, 37, 321-330	6.8	10
129	Change in the surface composition of amorphous Fe?Cr?Mo?P?C alloys during air exposure. *Corrosion Science*, **1995**, 37, 331-341	6.8	11
128	The sulfidation of sputter-deposited niobium-base aluminum alloys. *Corrosion Science*, **1995**, 37, 1045-1058	6.8	11
127	The effect of air exposure on the corrosion behavior of amorphous Fe-8Cr-Mo-13P-7C alloys in 1 M HCl. *Corrosion Science*, **1995**, 37, 1289-1301	6.8	58
126	The effect of microcrystallites in the amorphous matrix on the corrosion behavior of amorphous Fe-8Cr-P alloys. *Corrosion Science*, **1995**, 37, 1411-1422	6.8	5
125	The effect of phosphorus on the passivation behavior of Ni-10Ta-P alloys in 12 M HCl. *Corrosion Science*, **1995**, 37, 1313-1324	6.8	8
124	The corrosion behavior of sputter-deposited Cr-Mo alloys in 12 M HCl solution. *Corrosion Science*, **1995**, 37, 1843-1860	6.8	28

123	The corrosion behavior of sputter-deposited amorphous W?Ti alloys in 6 M HCl solution. *Corrosion Science*, **1995**, 37, 2071-2086	6.8	29
122	The effect of phosphorus addition on the corrosion behavior of amorphous Fe-8Cr-P alloys in 9M H2SO4. *Corrosion Science*, **1995**, 37, 709-722	6.8	12
121	An RBS study of the sulphidation behaviour of niobium and Nb?Al alloys. *Corrosion Science*, **1995**, 37, 801-810	6.8	14
120	Metastable metals for □green□materials for global atmosphere conservation and abundant energy supply. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 179-180, 27-30	5.3	45
119	Amorphous alloy electrodes for anodic oxidation of sulfite. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1081-1084	5.3	2
118	Corrosion behavior of sputter-deposited Co-base alloy films in neutral solutions. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1109-1113	5.3	6
117	Highly corrosion-resistant amorphous Cr?Ni?P alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1114-1118	5.3	5
116	Amorphous alloy catalysts for decomposition of CCl2F2 by hydrolysis. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1091-1094	5.3	5
115	New amorphous alloys resistant to high temperature corrosion. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1099-1103	5.3	11
114	Effect of phosphorus on the passivation behavior of amorphous Fe?8Cr?13P?7C alloy in 9M H2SO4 solution. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1119-1122	5.3	2
113	Nitrogen monoxide decomposition catalysts prepared from amorphous Ni-valve metal-Pd alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1994**, 181-182, 1123-1127	5.3	9
112	The corrosion behaviour of sputter-deposited amorphous Ni?Ti alloys in 1 M HCl. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1128-1132	5.3	19
111	Amorphous Fe-valve metal-Pt group metal alloy catalysts for methanation of CO2. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1133-1136	5.3	7
110	Amorphous Ni?Nb?Pt alloy catalysts for electro-oxidation of ethylene. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **1994**, 181-182, 1137-1140	5.3	7
109	Electrochemical behavior of a quasi-crystalline Al?Pd?Mn alloy in a chloride-containing solution. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1994**, 181-182, 1141-1144	5.3	3
108	An XPS study of the corrosion behavior of sputter-deposited amorphous Cr-Nb and Cr-Ta alloys in 12 M HCl solution. *Corrosion Science*, **1994**, 36, 511-523	6.8	31
107	The sulphidation behavior of Mo?Al alloys with low aluminum contents. *Corrosion Science*, **1994**, 36, 1499-1511	6.8	8
106	The corrosion behavior of amorphous Fe-8Cr-13P-7C and Fe-8Cr-20P alloys in concentrated sulfuric acid. *Corrosion Science*, **1994**, 36, 1537-1550	6.8	14

105	The corrosion behavior of sputter-deposited amorphous Cr-Ni-Mo alloys in 12 M HCl. *Corrosion Science*, **1994**, 36, 1395-1410	6.8	23
104	On the growth mechanism of the sulphide scale on amorphous Al?Mo alloys. *Corrosion Science*, **1994**, 36, 199-202	6.8	12
103	Decomposition of Nitrogen Monoxide over Amorphous Co–65Zr Alloys Containing Platinum Group Elements. *Materials Transactions, JIM*, **1993**, 34, 725-731		5
102	The sulphidation and oxidation behaviour of sputter-deposited amorphous Al?Mo alloys at high temperatures. *Corrosion Science*, **1993**, 34, 183-200	6.8	33
101	The corrosion behavior of melt-spun Cr?Ni?20P alloys in concentrated hydrochloric and hydrofluoric acids. *Corrosion Science*, **1993**, 34, 201-215	6.8	16
100	The corrosion behavior of sputter-deposited amorphous chromium-zirconium alloys in 6 M HCl solution. *Corrosion Science*, **1993**, 34, 1817-1827	6.8	46
99	Electrochemical and XPS studies of the effects of alloying elements on the corrosion behavior of amorphous Fe?Cr?Metalloid alloys in 9 M H2SO4. *Corrosion Science*, **1993**, 34, 1829-1839	6.8	15
98	The corrosion behavior of sputter-deposited amorphous Cr?Nb and Cr?Ta alloys in 12 M HCl solution. *Corrosion Science*, **1993**, 34, 1947-1955	6.8	41
97	The corrosion behavior of sputter-deposited amorphous titanium-chromium alloys in 1 M and 6 M HCl solutions. *Corrosion Science*, **1993**, 34, 975-987	6.8	46
96	On the unusual morphology of pitting corrosion of amorphous Ni?Zr alloys. *Corrosion Science*, **1993**, 34, 445-459	6.8	28
95	The surface characterization of titanium and titanium-nickel alloys in sulfuric acid. *Corrosion Science* , **1993**, 35, 43-49	6.8	82
94	Corrosion-resistant amorphous surface alloys. *Corrosion Science*, **1993**, 35, 363-370	6.8	35
93	The effect of magnesium on the corrosion behavior of sputter-deposited amorphous Al?Mg?Ti ternary alloys in a neutral chloride solution. *Corrosion Science*, **1993**, 34, 27-40	6.8	13
92	The corrosion behavior of Cr?P alloys in hydrofluoric acid. *Corrosion Science*, **1993**, 34, 599-613	6.8	11
91	XPS and electrochemical studies of a melt-spun high chromium-nickel-phosphorus alloy in 6 M HCl. *Corrosion Science*, **1992**, 33, 103-112	6.8	13
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89	The corrosion behavior of amorphous Ni?Cr?P alloys in concentrated hydrofluoric acid. *Corrosion Science*, **1992**, 33, 1519-1528	6.8	26
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