

# Cy Cy Chung

## 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.

181  
papers

4,711  
citations

38  
h-index

58  
g-index

195  
ext. papers

5,013  
ext. citations

4.8  
avg, IF

5.14  
L-index

#	Paper	IF	Citations
181	Four-electrode symmetric setup for electrochemical impedance spectroscopy study of Lithium Sulfur batteries. <i>Journal of Power Sources</i> , <b>2019</b> , 441, 227202	8.9	12
180	Ionic Liquid Mediated Synthesis of Lath Shaped CuO Micro-Assembles as Extremely Stable Anode Material for Lithium-Ion Batteries. <i>Chinese Journal of Chemistry</i> , <b>2017</b> , 35, 1299-1304	4.9	3
179	Electrochemical performance of all-solid-state lithium batteries using inorganic lithium garnets particulate reinforced PEO/LiClO <sub>4</sub> electrolyte. <i>Electrochimica Acta</i> , <b>2017</b> , 253, 430-438	6.7	99
178	Cobalt-copper layered double hydroxide nanosheets as high performance bifunctional catalysts for rechargeable lithium-air batteries. <i>Journal of Alloys and Compounds</i> , <b>2016</b> , 688, 380-387	5.7	36
177	Conformal Coating of Heterogeneous CoO/Co Nanocomposites on Carbon Nanotubes as Efficient Bifunctional Electrocatalyst for Li-Air Batteries. <i>Electrochimica Acta</i> , <b>2016</b> , 219, 560-567	6.7	29
176	Interfacial redox reaction-directed synthesis of silver@cerium oxide core-shell nanocomposites as catalysts for rechargeable lithium-air batteries. <i>Journal of Power Sources</i> , <b>2015</b> , 286, 136-144	8.9	29
175	Facile synthesis of porous Li-rich layered Li[Li <sub>0.2</sub> Mn <sub>0.534</sub> Ni <sub>0.133</sub> Co <sub>0.133</sub> ]O <sub>2</sub> as high-performance cathode materials for Li-ion batteries. <i>RSC Advances</i> , <b>2015</b> , 5, 30507-30513	3.7	20
174	Facile synthesis of spinel CuCo <sub>2</sub> O <sub>4</sub> nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries. <i>Chemical Communications</i> , <b>2014</b> , 50, 14635-8	5.8	72
173	Periodic porous silicon thin films with interconnected channels as durable anode materials for lithium ion batteries. <i>Materials Chemistry and Physics</i> , <b>2014</b> , 144, 25-30	4.4	31
172	Structure and electrochemical performance of nanosized Li <sub>1.1</sub> (Ni <sub>0.35</sub> Co <sub>0.35</sub> Mn <sub>0.30</sub> )O <sub>2</sub> powders for lithium-ion battery. <i>Functional Materials Letters</i> , <b>2014</b> , 07, 1450061	1.2	4
171	Electrochemical performance and kinetic behavior of lithium ion in Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> thin film electrodes. <i>Applied Surface Science</i> , <b>2014</b> , 314, 936-941	6.7	22
170	Hierarchical assembly of Ti(IV)/Sn(II) co-doped SnO <sub>2</sub> nanosheets along sacrificial titanate nanowires: synthesis, characterization and electrochemical properties. <i>Nanoscale</i> , <b>2013</b> , 5, 9101-9	7.7	38
169	Layered Li <sub>2</sub> MnO <sub>3</sub> /LiNi <sub>(0.5-x)</sub> Mn <sub>(0.5-x)</sub> Co <sub>(2x)</sub> O <sub>2</sub> microspheres with Mn-rich cores as high performance cathode materials for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 16579-85	3.6	16
168	Solvothermal synthesis of monodisperse LiFePO <sub>4</sub> micro hollow spheres as high performance cathode material for lithium ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 8961-7	9.5	54
167	Fabrication of FeF <sub>3</sub> nanocrystals dispersed into a porous carbon matrix as a high performance cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 15060	13	61
166	Effect of thermo-mechanical treatment on superelastic behavior of Ti <sub>49</sub> Nb <sub>4</sub> Zr (at.%) shape memory alloy. <i>Intermetallics</i> , <b>2013</b> , 32, 44-50	3.5	18
165	Effect of heat treatment time on microstructure and mechanical properties of Ti <sub>49</sub> Nb <sub>9</sub> Zr (at.%) shape memory alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2013</b> , 561, 427-433	5.3	18

164	Superelastic behavior and microstructure of Ti <sub>19</sub> Nb <sub>9</sub> Zr <sub>1</sub> Mo (at%) alloy. <i>Materials Letters</i> , <b>2013</b> , 109, 172-174	3.3	5
163	Fabrication of LiF/Fe/Graphene nanocomposites as cathode material for lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 892-7	9.5	45
162	Single-crystalline Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> nanorods and their application in high rate capability Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> /LiMn <sub>2</sub> O <sub>4</sub> full cells. <i>Journal of Power Sources</i> , <b>2013</b> , 242, 222-229	8.9	31
161	Large-scale fabrication of graphene-wrapped FeF <sub>3</sub> nanocrystals as cathode materials for lithium ion batteries. <i>Nanoscale</i> , <b>2013</b> , 5, 6338-43	7.7	67
160	Surface nano-architectures and their effects on the mechanical properties and corrosion behavior of Ti-based orthopedic implants. <i>Surface and Coatings Technology</i> , <b>2013</b> , 233, 13-26	4.4	51
159	Triethylene Glycol Assisted Synthesis of Pure Tavorite LiFeSO <sub>4</sub> F Cathode Material for Li-Ion Battery. <i>Journal of the Electrochemical Society</i> , <b>2013</b> , 160, A3072-A3076	3.9	12
158	Scanning Electron Microscopic Study of Rotary Nickel-Titanium Endodontic File (RNEF). <i>Advanced Materials Research</i> , <b>2013</b> , 749, 262-269	0.5	
157	Evaluation of Pulsed Laser Deposited Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> Thin Film Anodes by CV and EIS. <i>Materials Science Forum</i> , <b>2013</b> , 743-744, 13-19	0.4	4
156	Wear mechanism and tribological characteristics of porous NiTi shape memory alloy for bone scaffold. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2013</b> , 101, 2586-601	5.4	13
155	Facile synthesis of porous LiMn <sub>2</sub> O <sub>4</sub> spheres as positive electrode for high-power lithium ion batteries. <i>Journal of Power Sources</i> , <b>2012</b> , 198, 251-257	8.9	106
154	Microwave-assisted hydrothermal synthesis of porous SnO <sub>2</sub> nanotubes and their lithium ion storage properties. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 190, 104-110	3.3	36
153	Two-way shape memory effect of TiNiSn alloys developed by martensitic deformation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2012</b> , 550, 434-437	5.3	8
152	In vitro and in vivo evaluation of porous NiTi alloy modified by sputtering a surface TiO <sub>2</sub> film. <i>Science China Technological Sciences</i> , <b>2012</b> , 55, 437-444	3.5	5
151	Large-scale fabrication of hierarchical Fe <sub>2</sub> O <sub>3</sub> assemblies as high performance anode materials for lithium-ion batteries. <i>CrystEngComm</i> , <b>2012</b> , 14, 7882	3.3	16
150	Facile synthesis and electrochemical characterization of Sn <sub>4</sub> Ni <sub>3</sub> /C nanocomposites as anode materials for lithium ion batteries. <i>Journal of Solid State Chemistry</i> , <b>2012</b> , 196, 536-542	3.3	15
149	Rugated porous Fe <sub>3</sub> O <sub>4</sub> thin films as stable binder-free anode materials for lithium ion batteries. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 22692		29
148	Electrochemical performance of LiNi <sub>1/3</sub> Co <sub>1/3</sub> Mn <sub>1/3</sub> O <sub>2</sub> thin film electrodes prepared by pulsed laser deposition. <i>Journal of Power Sources</i> , <b>2012</b> , 217, 491-497	8.9	26
147	Solvothermal synthesis of nano-LiMnPO <sub>4</sub> from Li <sub>3</sub> PO <sub>4</sub> rod-like precursor: reaction mechanism and electrochemical properties. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 25402		48

146	Hydrothermal Growth Mechanism of Controllable Hydrophilic Titanate Nanostructures on Medical NiTi Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 2600-2606	1.6	11
145	Study of Thermal Scanning Rates on Transformations of Ti-19Nb-9Zr (at.%) by Means of Differential Scanning Calorimetry Analysis. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 2675-2679	1.6	2
144	Differential Scanning Calorimetric (DSC) Analysis of Rotary Nickel-Titanium (NiTi) Endodontic File (RNEF). <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 2515-2518	1.6	3
143	Superelastic Porous NiTi with Adjustable Porosities Synthesized by Powder Metallurgical Method. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 2553-2558	1.6	3
142	Wear Properties of Porous NiTi Orthopedic Shape Memory Alloy. <i>Journal of Materials Engineering and Performance</i> , <b>2012</b> , 21, 2622-2627	1.6	6
141	Effect of Sn addition on the corrosion behavior of Ti-Ta alloy. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , <b>2012</b> , 63, 259-263	1.6	16
140	Microwave-assisted synthesis of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals as a novel anode material for lithium ion battery. <i>Journal of Nanoparticle Research</i> , <b>2012</b> , 14, 1	2.3	31
139	Citric Acid- and Ammonium-Mediated Morphological Transformations of Olivine LiFePO <sub>4</sub> Particles. <i>Chemistry of Materials</i> , <b>2011</b> , 23, 2848-2859	9.6	64
138	Effect of graphite addition on martensitic transformation and damping behavior of NiTi shape memory alloy. <i>Materials Letters</i> , <b>2011</b> , 65, 1073-1075	3.3	11
137	Effect of aging on martensitic transformation behavior of Ti <sub>48.8</sub> Ni <sub>50.8</sub> V <sub>0.4</sub> alloy. <i>Journal of Materials Science</i> , <b>2011</b> , 46, 6432-6436	4.3	8
136	Effects of Sn and Zr on the Microstructure and Mechanical Properties of Ti-Ta-Based Shape Memory Alloys. <i>Journal of Materials Engineering and Performance</i> , <b>2011</b> , 20, 762-766	1.6	26
135	Properties of Porous TiNbZr Shape Memory Alloy Fabricated by Mechanical Alloying and Hot Isostatic Pressing. <i>Journal of Materials Engineering and Performance</i> , <b>2011</b> , 20, 783-786	1.6	16
134	Remarkable biocompatibility enhancement of porous NiTi alloys by a new surface modification approach: in-situ nitriding and in vitro and in vivo evaluation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2011</b> , 99, 544-53	5.4	16
133	Hydrogen release from titanium hydride in foaming of orthopedic NiTi scaffolds. <i>Acta Biomaterialia</i> , <b>2011</b> , 7, 1387-97	10.8	27
132	Relationship between osseointegration and superelastic biomechanics in porous NiTi scaffolds. <i>Biomaterials</i> , <b>2011</b> , 32, 330-8	15.6	86
131	Facile synthesis and electrochemical characterization of porous and dense TiO <sub>2</sub> nanospheres for lithium-ion battery applications. <i>Journal of Power Sources</i> , <b>2011</b> , 196, 6394-6399	8.9	70
130	The effect of pore characteristics on Ni suppression of porous NiTi shape memory alloys modified by surface treatment. <i>Thin Solid Films</i> , <b>2011</b> , 519, 5297-5301	2.2	6
129	NiTi shape memory alloy thin film micro-cantilevers array. <i>Thin Solid Films</i> , <b>2011</b> , 519, 5307-5309	2.2	5

128	A facile method to improve the high rate capability of Co <sub>3</sub> O <sub>4</sub> nanowire array electrodes. <i>Nano Research</i> , <b>2010</b> , 3, 895-901	10	153
127	Effect of carbon nanotubes and their dispersion on thermal curing of polyimide precursors. <i>Polymer Degradation and Stability</i> , <b>2010</b> , 95, 1672-1678	4.7	17
126	Nano-scale surface morphology, wettability and osteoblast adhesion on nitrogen plasma-implanted NiTi shape memory alloy. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2009</b> , 9, 3449-54	1.3	11
125	Microstructural characteristics and biocompatibility of a Type-B carbonated hydroxyapatite coating deposited on NiTi shape memory alloy. <i>Bio-Medical Materials and Engineering</i> , <b>2009</b> , 19, 401-8	1	1
124	Electrochemical Stability of Orthopedic Porous NiTi Shape Memory Alloys Treated by Different Surface Modification Techniques. <i>Journal of the Electrochemical Society</i> , <b>2009</b> , 156, C187	3.9	9
123	Nickel release behavior and surface characteristics of porous NiTi shape memory alloy modified by different chemical processes. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2009</b> , 89, 483-9	5.4	11
122	Passivation and oxygen ion implantation double surface treatment on porous NiTi shape memory alloys and its Ni suppression performance. <i>Surface and Coatings Technology</i> , <b>2009</b> , 204, 58-63	4.4	21
121	High-porosity NiTi superelastic alloys fabricated by low-pressure sintering using titanium hydride as pore-forming agent. <i>Journal of Materials Science</i> , <b>2009</b> , 44, 875-881	4.3	32
120	XPS and biocompatibility studies of titania film on anodized NiTi shape memory alloy. <i>Journal of Materials Science: Materials in Medicine</i> , <b>2009</b> , 20, 223-8	4.5	23
119	Preparation and electrochemical properties of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> thin film electrodes by pulsed laser deposition. <i>Journal of Power Sources</i> , <b>2009</b> , 193, 816-821	8.9	47
118	Sputtered Al-doped lithium manganese oxide films for the cathode of lithium ion battery: The post-deposition annealing temperature effect. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 480, 981-986	5.7	10
117	Surface mechanical attrition treatment induced phase transformation behavior in NiTi shape memory alloy. <i>Journal of Alloys and Compounds</i> , <b>2009</b> , 482, 298-301	5.7	13
116	Capacity fading of pulsed-laser deposited HT-LiCoO <sub>2</sub> films cycled in LiClO <sub>4</sub> /PC. <i>Materials Chemistry and Physics</i> , <b>2008</b> , 107, 254-260	4.4	12
115	Effects of anodic oxidation in H <sub>2</sub> SO <sub>4</sub> electrolyte on the biocompatibility of NiTi shape memory alloy. <i>Materials Letters</i> , <b>2008</b> , 62, 3512-3514	3.3	12
114	A biomimetic hierarchical scaffold: natural growth of nanotitanates on three-dimensional microporous Ti-based metals. <i>Nano Letters</i> , <b>2008</b> , 8, 3803-8	11.5	110
113	NiTi shape memory alloy thin film sensor micro-array for detection of infrared radiation. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 148-151	5.7	12
112	Phase transformation behavior of porous NiTi alloys fabricated by capsule-free hot isostatic pressing. <i>Journal of Alloys and Compounds</i> , <b>2008</b> , 449, 139-143	5.7	47
111	Growth of HT-LiCoO <sub>2</sub> thin films on Pt-metalized silicon substrates. <i>Rare Metals</i> , <b>2008</b> , 27, 266-272	5.5	8

110	Electrochemical characterization of diamond like carbon thin films. <i>Diamond and Related Materials</i> , <b>2008</b> , 17, 1871-1876	3.5	18
109	Pulse Laser Deposition and Electrochemical Characterization of LiFePO <sub>4</sub> /Ag Composite Thin Films. <i>Journal of Physical Chemistry C</i> , <b>2008</b> , 112, 7069-7078	3.8	61
108	BIOMIMETIC DEPOSITION OF APATITE ON SURFACE CHEMICALLY MODIFIED POROUS NiTi SHAPEMEMORY ALLOY. <i>Surface Review and Letters</i> , <b>2008</b> , 15, 97-104	1.1	4
107	Effects of Electro-Fenton Process on Blood Compatibility and Nickel Suppression of NiTi Shape Memory Alloy. <i>Advanced Materials Research</i> , <b>2008</b> , 47-50, 314-317	0.5	1
106	Fabrication of Titania Film on NiTi Alloy by a Deposition-Assisted Advanced Oxidation Method. <i>Advanced Materials Research</i> , <b>2008</b> , 47-50, 310-313	0.5	
105	Forming and control of pores by capsule-free hot isostatic pressing in NiTi shape memory alloys. <i>Smart Materials and Structures</i> , <b>2008</b> , 17, 025013	3.4	8
104	In vitro corrosion behavior of TiN layer produced on orthopedic nickel-titanium shape memory alloy by nitrogen plasma immersion ion implantation using different frequencies. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 2463-2466	4.4	15
103	In vitro bioactivity and osteoblast response on chemically modified biomedical porous NiTi synthesized by capsule-free hot isostatic pressing. <i>Surface and Coatings Technology</i> , <b>2008</b> , 202, 2458-2462	4.4	12
102	New plasma surface-treated memory alloys: Towards a new generation of smart orthopaedic materials. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 454-459	8.3	12
101	Surface structure and biomedical properties of chemically polished and electropolished NiTi shape memory alloys. <i>Materials Science and Engineering C</i> , <b>2008</b> , 28, 1430-1434	8.3	35
100	Poly(ethylene terephthalate)/polypropylene microfibrillar composites. III. Structural development of poly(ethylene terephthalate) microfibers. <i>Journal of Applied Polymer Science</i> , <b>2007</b> , 104, 137-146	2.9	8
99	Pulsed Laser Deposition and Electrochemical Characterization of LiFePO <sub>4</sub> /Ag Composite Thin Films. <i>Advanced Functional Materials</i> , <b>2007</b> , 17, 3885-3896	15.6	73
98	Nickel release behavior, cytocompatibility, and superelasticity of oxidized porous single-phase NiTi. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 81, 948-55	5.4	38
97	Surface characteristics, biocompatibility, and mechanical properties of nickel-titanium plasma-implanted with nitrogen at different implantation voltages. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 82, 469-78	5.4	32
96	Effects of pulsing frequency on shape recovery and investigation of nickel out-diffusion after mechanical bending of nitrogen plasma implanted NiTi shape memory alloys. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 8286-8290	4.4	7
95	Nitrogen plasma-implanted nickel titanium alloys for orthopedic use. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 5607-5612	4.4	26
94	Oxygen plasma treatment to restrain nickel out-diffusion from porous nickel titanium orthopedic materials. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 4893-4896	4.4	17
93	Improvement of electrochemical performance of Si thin film anode by rare-earth La PIII technique. <i>Surface and Coatings Technology</i> , <b>2007</b> , 201, 6785-6788	4.4	5



92	Surface XPS characterization of NiTi shape memory alloy after advanced oxidation processes in UV/H <sub>2</sub> O <sub>2</sub> photocatalytic system. <i>Applied Surface Science</i> , <b>2007</b> , 253, 8507-8512	6.7	49
91	Pore formation mechanism and characterization of porous NiTi shape memory alloys synthesized by capsule-free hot isostatic pressing. <i>Acta Materialia</i> , <b>2007</b> , 55, 3437-3451	8.4	79
90	Structure and wear properties of NiTi modified by nitrogen plasma immersion ion implantation. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2007</b> , 444, 192-197	5.3	20
89	High porosity and large pore size shape memory alloys fabricated by using pore-forming agent (NH <sub>4</sub> HCO <sub>3</sub> ) and capsule-free hot isostatic pressing. <i>Journal of Materials Processing Technology</i> , <b>2007</b> , 192-193, 439-442	5.3	41
88	Surface structure and properties of biomedical NiTi shape memory alloy after Fenton's oxidation. <i>Acta Biomaterialia</i> , <b>2007</b> , 3, 795-806	10.8	67
87	Effects of water plasma immersion ion implantation on surface electrochemical behavior of NiTi shape memory alloys in simulated body fluids. <i>Applied Surface Science</i> , <b>2007</b> , 253, 3154-3159	6.7	21
86	In vitro and in vivo characterization of novel plasma treated nickel titanium shape memory alloy for orthopedic implantation. <i>Surface and Coatings Technology</i> , <b>2007</b> , 202, 1247-1251	4.4	31
85	Kinetics of Li <sup>+</sup> transport and capacity retention capability of HT- LiCoO <sub>2</sub> films. <i>Physica Scripta</i> , <b>2007</b> , T129, 38-42	2.6	7
84	In vitro biocompatibility of titanium-nickel alloy with titanium oxide film by H <sub>2</sub> O <sub>2</sub> oxidation. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2007</b> , 17, 553-557	3.3	13
83	Surface mechanical properties, corrosion resistance, and cytocompatibility of nitrogen plasma-implanted nickel-titanium alloys: a comparative study with commonly used medical grade materials. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2007</b> , 82, 403-14	5.4	52
82	In situ synthesis of nanostructured titania film on NiTi shape memory alloy by Fenton's oxidation method. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2007</b> , 17, 902-906	3.3	12
81	A comparative study of the porous TiNi shape-memory alloys fabricated by three different processes. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , <b>2006</b> , 37, 755-761	2.3	44
80	Effects of coating process on the characteristics of Ag <sub>3</sub> N <sub>2</sub> O <sub>2</sub> contact materials. <i>Materials Chemistry and Physics</i> , <b>2006</b> , 98, 477-480	4.4	35
79	Biomimetic deposition process of an apatite coating on NiTi shape memory alloy. <i>Materials Letters</i> , <b>2006</b> , 60, 3002-3006	3.3	7
78	Surface characteristics, mechanical properties, and cytocompatibility of oxygen plasma-implanted porous nickel titanium shape memory alloy. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2006</b> , 79, 139-46	5.4	35
77	Effects of heat treatment on characteristics of porous Ni-rich NiTi SMA prepared by SHS technique. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2006</b> , 16, 49-53	3.3	44
76	Effects of H <sub>2</sub> O <sub>2</sub> pretreatment on surface characteristics and bioactivity of NaOH-treated NiTi shape memory alloy. <i>Transactions of Nonferrous Metals Society of China</i> , <b>2006</b> , 16, 1295-1300	3.3	3
75	MgNi/Pd multilayer hydrogen storage thin films prepared by dc magnetron sputtering. <i>Journal of Alloys and Compounds</i> , <b>2006</b> , 422, 58-61	5.7	29

74	Superelastic properties of porous TiNi shape memory alloys prepared by hot isostatic pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 438-440, 657-660	5-3	22
73	Improvement on corrosion resistance of NiTi orthopedic materials by carbon plasma immersion ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2006</b> , 242, 270-274	1.2	10
72	Surface oxidation of NiTi shape memory alloy in a boiling aqueous solution containing hydrogen peroxide. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 417, 104-109	5-3	53
71	The effect of porosity on phase transformation behavior of porous Ti <sub>50</sub> .8at.% Ni shape memory alloys prepared by capsule-free hot isostatic pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2006</b> , 438-440, 585-588	5-3	32
70	Bioactive NiTi shape memory alloy fabricated by oxidizing in H <sub>2</sub> O <sub>2</sub> solution and subsequent NaOH treatment. <i>Journal of Materials Science</i> , <b>2006</b> , 41, 1671-1674	4-3	4
69	Microstructure of MmM5/Mg multi-layer films prepared by magnetron sputtering. <i>Journal of Alloys and Compounds</i> , <b>2005</b> , 404-406, 485-489	5-7	16
68	Fabrication and properties of porous NiTi shape memory alloys for heavy load-bearing medical applications. <i>Journal of Materials Processing Technology</i> , <b>2005</b> , 169, 103-107	5-3	41
67	Anti-corrosion performance of oxidized and oxygen plasma-implanted NiTi alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 390, 444-451	5-3	39
66	Phase transformation behaviors in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2005</b> , 392, 106-111	5-3	17
65	Improvements of anti-corrosion and mechanical properties of NiTi orthopedic materials by acetylene, nitrogen and oxygen plasma immersion ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , <b>2005</b> , 237, 411-416	1.2	38
64	Formation of titanium nitride barrier layer in nickel-titanium shape memory alloys by nitrogen plasma immersion ion implantation for better corrosion resistance. <i>Thin Solid Films</i> , <b>2005</b> , 488, 20-25	2.2	48
63	Carbon plasma immersion ion implantation of nickel-titanium shape memory alloys. <i>Biomaterials</i> , <b>2005</b> , 26, 2265-72	15.6	116
62	DSC study of the effect of aging temperature on the reverse martensitic transformation in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. <i>Materials Letters</i> , <b>2005</b> , 59, 404-407	3-3	21
61	Graded surface structure in chemically polished NiTi shape memory alloy after NaOH treatment. <i>Scripta Materialia</i> , <b>2005</b> , 52, 1117-1121	5.6	28
60	Investigation of nickel suppression and cytocompatibility of surface-treated nickel-titanium shape memory alloys by using plasma immersion ion implantation. <i>Journal of Biomedical Materials Research - Part A</i> , <b>2005</b> , 72, 238-45	5.4	36
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57	Effects of aging temperature on the martensitic transformation in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. <i>Journal of Materials Science</i> , <b>2005</b> , 40, 4959-4961	4-3	2



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55	Control of porosity and superelasticity of porous NiTi shape memory alloys prepared by hot isostatic pressing. <i>Smart Materials and Structures</i> , <b>2005</b> , 14, S201-S206	3.4	26
54	Surface and corrosion characteristics of carbon plasma implanted and deposited nickel-titanium alloy. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>2005</b> , 23, 525-530	2.9	13
53	Influences of solution treatment on compressive properties of porous NiTi shape memory alloy with the porosity of 53.4 vol% fabricated by combustion synthesis. <i>Journal of Materials Science</i> , <b>2004</b> , 39, 4949-4951	4.3	7
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51	Microstructure of MmM(5)/Mg multi-layer hydrogen storage films prepared by magnetron sputtering. <i>Microscopy Research and Technique</i> , <b>2004</b> , 64, 323-9	2.8	15
50	Nanophase decomposition in eutectoid ZnAl based alloy films. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 374, 145-152	5.3	6
49	Microstructure and martensitic transformation behavior of porous NiTi shape memory alloy prepared by hot isostatic pressing processing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 382, 181-187	5.3	99
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47	Optimization of thermal treatment parameters to alter austenitic phase transition temperature of NiTi alloy for medical implant. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , <b>2004</b> , 383, 213-218	5.3	64
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44	MmM5/Mg multi-layer hydrogen storage thin films prepared by dc magnetron sputtering. <i>Journal of Alloys and Compounds</i> , <b>2004</b> , 370, L4-L6	5.7	17
43	Porous TiNi shape memory alloy with high strength fabricated by self-propagating high-temperature synthesis. <i>Materials Letters</i> , <b>2004</b> , 58, 1683-1686	3.3	38
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17	Growth of high-temperature NiTi1-xHfx shape memory alloy thin films by laser ablation of composite targets. <i>Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films</i> , <b>1998</b> , 16, 3420-3422	2.9	3
16	Pulsed-laser deposition of high-purity TiN thin films <b>1998</b> , 3550, 177		2
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14	Martensitic Transformation in Ti36.5Ni48.5Hf15 High Temperature Shape Memory Alloy. <i>Materials Transactions, JIM</i> , <b>1997</b> , 38, 842-851		5
13	Improvement of the shape memory characteristics of a Cu-Zn-Al alloy with manganese and zirconium addition. <i>Scripta Materialia</i> , <b>1997</b> , 36, 955-960	5.6	10
12	Effect of rare earth element Nd on the ductility and fracture behavior of a Ni-rich NiAl alloy. <i>Scripta Materialia</i> , <b>1997</b> , 37, 99-102	5.6	16
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8	Removal of martensite stabilisation in CANTiM shape memory alloy by post-quench ageing. <i>Journal of Materials Processing Technology</i> , <b>1997</b> , 63, 600-603	5.3	6
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4	Thermal cycling effects in Cu-Zn-Al shape memory alloy by positron lifetime measurements. <i>Scripta Metallurgica Et Materialia</i> , <b>1995</b> , 32, 1865-1869		7
3	Effect of Cube Nucleus Distribution on Cube Texture. <i>Materials Science Forum</i> , <b>1994</b> , 157-162, 1765-1770	0.4	1

2	TiNi thin film shape memory alloys for optical sensing applications437-456	0
1	Fast implementation of evolutionary variable step size algorithm	2