

# Cy Cy Chung

## List of Publications by Year in descending order

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195  
papers

5,392  
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61857

43  
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114278

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195  
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195  
docs citations

195  
times ranked

5730  
citing authors

#	ARTICLE	IF	CITATIONS
1	Four-electrode symmetric setup for electrochemical impedance spectroscopy study of Lithium-Sulfur batteries. <i>Journal of Power Sources</i> , 2019, 441, 227202.	4.0	19
2	Ionic Liquid Mediated Synthesis of Lath Shaped $\text{CuO}$ Micro-Assembles as Extremely Stable Anode Material for Lithium-Ion Batteries. <i>Chinese Journal of Chemistry</i> , 2017, 35, 1299-1304.	2.6	3
3	Electrochemical performance of all-solid-state lithium batteries using inorganic lithium garnets particulate reinforced PEO/LiClO <sub>4</sub> electrolyte. <i>Electrochimica Acta</i> , 2017, 253, 430-438.	2.6	133
4	Cobalt-copper layered double hydroxide nanosheets as high performance bifunctional catalysts for rechargeable lithium-air batteries. <i>Journal of Alloys and Compounds</i> , 2016, 688, 380-387.	2.8	48
5	Conformal Coating of Heterogeneous CoO/Co Nanocomposites on Carbon Nanotubes as Efficient Bifunctional Electrocatalyst for Li-Air Batteries. <i>Electrochimica Acta</i> , 2016, 219, 560-567.	2.6	38
6	Facile synthesis of porous Li-rich layered $\text{Li}_{0.2}\text{Mn}_{0.534}\text{Ni}_{0.133}\text{Co}_{0.133}\text{O}_2$ as high-performance cathode materials for Li-ion batteries. <i>RSC Advances</i> , 2015, 5, 30507-30513.	1.7	20
7	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> , 2015, 286, 136-144.	4.0	31
8	Structure and electrochemical performance of nanosized $\text{Li}_{1.1}(\text{Ni}_{0.35}\text{Co}_{0.35}\text{Mn}_{0.30})\text{O}_2$ powders for lithium-ion battery. <i>Functional Materials Letters</i> , 2014, 07, 1450061.	0.7	4
9	Electrochemical performance and kinetic behavior of lithium ion in $\text{Li}_4\text{Ti}_5\text{O}_{12}$ thin film electrodes. <i>Applied Surface Science</i> , 2014, 314, 936-941.	3.1	24
10	Facile synthesis of spinel $\text{CuCo}_2\text{O}_4$ nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries. <i>Chemical Communications</i> , 2014, 50, 14635-14638.	2.2	84
11	Periodic porous silicon thin films with interconnected channels as durable anode materials for lithium ion batteries. <i>Materials Chemistry and Physics</i> , 2014, 144, 25-30.	2.0	38
12	Hierarchical assembly of Ti(IV)/Sn(II) co-doped $\text{SnO}_2$ nanosheets along sacrificial titanate nanowires: synthesis, characterization and electrochemical properties. <i>Nanoscale</i> , 2013, 5, 9101.	2.8	41
13	Layered $\text{Li}_2\text{MnO}_3\text{-}3\text{LiNi}_{0.5}\text{Mn}_{0.5}\text{Co}_2\text{O}_2$ microspheres with Mn-rich cores as high performance cathode materials for lithium ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 16579.	1.3	17
14	Solvothermal Synthesis of Monodisperse $\text{LiFePO}_4$ Micro Hollow Spheres as High Performance Cathode Material for Lithium Ion Batteries. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 8961-8967.	4.0	62
15	Fabrication of $\text{FeF}_3$ nanocrystals dispersed into a porous carbon matrix as a high performance cathode material for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2013, 1, 15060.	5.2	72
16	Effect of thermo-mechanical treatment on superelastic behavior of Ti-19Nb-14Zr (at.%) shape memory alloy. <i>Intermetallics</i> , 2013, 32, 44-50.	1.8	21
17	Effect of heat treatment time on microstructure and mechanical properties of Ti-19Nb-9Zr (at.%) shape memory alloy. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 561, 427-433.	2.6	21
18	Superelastic behavior and microstructure of Ti <sub>19</sub> Nb <sub>9</sub> Zr <sub>1</sub> Mo (at.%) alloy. <i>Materials Letters</i> , 2013, 109, 172-174.	1.3	5

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19	Fabrication of LiF/Fe/Graphene Nanocomposites As Cathode Material for Lithium-Ion Batteries. ACS Applied Materials & Interfaces, 2013, 5, 892-897.	4.0	50
20	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. Journal of Power Sources, 2013, 242, 222-229.	4.0	34
21	Large-scale fabrication of graphene-wrapped Fe <sub>3</sub> O <sub>4</sub> nanocrystals as cathode materials for lithium ion batteries. Nanoscale, 2013, 5, 6338.	2.8	77
22	Surface nano-architectures and their effects on the mechanical properties and corrosion behavior of Ti-based orthopedic implants. Surface and Coatings Technology, 2013, 233, 13-26.	2.2	65
23	Triethylene Glycol Assisted Synthesis of Pure Tavorite LiFeSO <sub>4</sub> F Cathode Material for Li-Ion Battery. Journal of the Electrochemical Society, 2013, 160, A3072-A3076.	1.3	12
24	Scanning Electron Microscopic Study of Rotary Nickel-Titanium Endodontic File (RNEF). Advanced Materials Research, 2013, 749, 262-269.	0.3	0
25	Wear mechanism and tribological characteristics of porous NiTi shape memory alloy for bone scaffold. Journal of Biomedical Materials Research - Part A, 2013, 101A, 2586-2601.	2.1	22
26	Large-scale fabrication of hierarchical $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> assemblies as high performance anode materials for lithium-ion batteries. CrystEngComm, 2012, 14, 7882.	1.3	16
27	Facile synthesis and electrochemical characterization of Sn <sub>4</sub> Ni <sub>3</sub> /C nanocomposites as anode materials for lithium ion batteries. Journal of Solid State Chemistry, 2012, 196, 536-542.	1.4	17
28	Rugated porous Fe <sub>3</sub> O <sub>4</sub> thin films as stable binder-free anode materials for lithium ion batteries. Journal of Materials Chemistry, 2012, 22, 22692.	6.7	30
29	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. Journal of Power Sources, 2012, 217, 491-497.	4.0	30
30	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. Journal of Materials Chemistry, 2012, 22, 25402.	6.7	51
31	Hydrothermal Growth Mechanism of Controllable Hydrophilic Titanate Nanostructures on Medical NiTi Shape Memory Alloy. Journal of Materials Engineering and Performance, 2012, 21, 2600-2606.	1.2	11
32	Study of Thermal Scanning Rates on Transformations of Ti-19Nb-9Zr (at.%) by Means of Differential Scanning Calorimetry Analysis. Journal of Materials Engineering and Performance, 2012, 21, 2675-2679.	1.2	2
33	Differential Scanning Calorimetric (DSC) Analysis of Rotary Nickel-Titanium (NiTi) Endodontic File (RNEF). Journal of Materials Engineering and Performance, 2012, 21, 2515-2518.	1.2	3
34	Superelastic Porous NiTi with Adjustable Porosities Synthesized by Powder Metallurgical Method. Journal of Materials Engineering and Performance, 2012, 21, 2553-2558.	1.2	8
35	Wear Properties of Porous NiTi Orthopedic Shape Memory Alloy. Journal of Materials Engineering and Performance, 2012, 21, 2622-2627.	1.2	10
36	Effect of Sn addition on the corrosion behavior of Ti $\epsilon$ -Ta alloy. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 259-263.	0.8	23

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37	Microwave-assisted synthesis of Cu <sub>2</sub> ZnSnS <sub>4</sub> nanocrystals as a novel anode material for lithium ion battery. Journal of Nanoparticle Research, 2012, 14, 1.	0.8	32
38	Facile synthesis of porous LiMn <sub>2</sub> O <sub>4</sub> spheres as positive electrode for high-power lithium ion batteries. Journal of Power Sources, 2012, 198, 251-257.	4.0	122
39	Microwave-assisted hydrothermal synthesis of porous SnO <sub>2</sub> nanotubes and their lithium ion storage properties. Journal of Solid State Chemistry, 2012, 190, 104-110.	1.4	46
40	Two-way shape memory effect of TiNiSn alloys developed by martensitic deformation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2012, 550, 434-437.	2.6	10
41	In vitro and in vivo evaluation of porous NiTi alloy modified by sputtering a surface TiO <sub>2</sub> film. Science China Technological Sciences, 2012, 55, 437-444.	2.0	6
42	Citric Acid- and Ammonium-Mediated Morphological Transformations of Olivine LiFePO <sub>4</sub> Particles. Chemistry of Materials, 2011, 23, 2848-2859.	3.2	71
43	Effect of graphite addition on martensitic transformation and damping behavior of NiTi shape memory alloy. Materials Letters, 2011, 65, 1073-1075.	1.3	17
44	Effect of aging on martensitic transformation behavior of Ti <sub>48.8</sub> Ni <sub>50.8</sub> V <sub>0.4</sub> alloy. Journal of Materials Science, 2011, 46, 6432-6436.	1.7	8
45	Effects of Sn and Zr on the Microstructure and Mechanical Properties of Ti-Ta-Based Shape Memory Alloys. Journal of Materials Engineering and Performance, 2011, 20, 762-766.	1.2	32
46	Properties of Porous TiNbZr Shape Memory Alloy Fabricated by Mechanical Alloying and Hot Isostatic Pressing. Journal of Materials Engineering and Performance, 2011, 20, 783-786.	1.2	22
47	Remarkable biocompatibility enhancement of porous NiTi alloys by a new surface modification approach: <i>in situ</i> nitriding and <i>in vitro</i> and <i>in vivo</i> evaluation. Journal of Biomedical Materials Research - Part A, 2011, 99A, 544-553.	2.1	16
48	Hydrogen release from titanium hydride in foaming of orthopedic NiTi scaffolds. Acta Biomaterialia, 2011, 7, 1387-1397.	4.1	31
49	Relationship between osseointegration and superelastic biomechanics in porous NiTi scaffolds. Biomaterials, 2011, 32, 330-338.	5.7	103
50	Facile synthesis and electrochemical characterization of porous and dense TiO <sub>2</sub> nanospheres for lithium-ion battery applications. Journal of Power Sources, 2011, 196, 6394-6399.	4.0	75
51	The effect of pore characteristics on Ni suppression of porous NiTi shape memory alloys modified by surface treatment. Thin Solid Films, 2011, 519, 5297-5301.	0.8	6
52	NiTi shape memory alloy thin film micro-cantilevers array. Thin Solid Films, 2011, 519, 5307-5309.	0.8	8
53	A facile method to improve the high rate capability of Co <sub>3</sub> O <sub>4</sub> nanowire array electrodes. Nano Research, 2010, 3, 895-901.	5.8	165
54	Effect of carbon nanotubes and their dispersion on thermal curing of polyimide precursors. Polymer Degradation and Stability, 2010, 95, 1672-1678.	2.7	22

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55	Nickel ion level in scoliotic patients implanted with nitrogen plasma surface modified nickel-titanium superelastic spinal implant. , 2010, , .		0
56	Preparation of solid electrolyte PVDF on MOS <sup>2</sup> in Silicon MCP for three-dimensional Li ion microbatteries. , 2010, , .		0
57	Nano-Scale Surface Morphology, Wettability and Osteoblast Adhesion on Nitrogen Plasma-Implanted NiTi Shape Memory Alloy. Journal of Nanoscience and Nanotechnology, 2009, 9, 3449-3454.	0.9	15
58	Microstructural characteristics and biocompatibility of a Type-B carbonated hydroxyapatite coating deposited on NiTi shape memory alloy. Bio-Medical Materials and Engineering, 2009, 19, 401-408.	0.4	1
59	Electrochemical Stability of Orthopedic Porous NiTi Shape Memory Alloys Treated by Different Surface Modification Techniques. Journal of the Electrochemical Society, 2009, 156, C187.	1.3	12
60	Nickel release behavior and surface characteristics of porous NiTi shape memory alloy modified by different chemical processes. Journal of Biomedical Materials Research - Part A, 2009, 89A, 483-489.	2.1	14
61	Passivation and oxygen ion implantation double surface treatment on porous NiTi shape memory alloys and its Ni suppression performance. Surface and Coatings Technology, 2009, 204, 58-63.	2.2	22
62	High-porosity NiTi superelastic alloys fabricated by low-pressure sintering using titanium hydride as pore-forming agent. Journal of Materials Science, 2009, 44, 875-881.	1.7	41
63	XPS and biocompatibility studies of titania film on anodized NiTi shape memory alloy. Journal of Materials Science: Materials in Medicine, 2009, 20, 223-228.	1.7	24
64	Preparation and electrochemical properties of Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> thin film electrodes by pulsed laser deposition. Journal of Power Sources, 2009, 193, 816-821.	4.0	52
65	Sputtered Al-doped lithium manganese oxide films for the cathode of lithium ion battery: The post-deposition annealing temperature effect. Journal of Alloys and Compounds, 2009, 480, 981-986.	2.8	11
66	Surface mechanical attrition treatment induced phase transformation behavior in NiTi shape memory alloy. Journal of Alloys and Compounds, 2009, 482, 298-301.	2.8	15
67	In vitro corrosion behavior of TiN layer produced on orthopedic nickel-titanium shape memory alloy by nitrogen plasma immersion ion implantation using different frequencies. Surface and Coatings Technology, 2008, 202, 2463-2466.	2.2	15
68	In vitro bioactivity and osteoblast response on chemically modified biomedical porous NiTi synthesized by capsule-free hot isostatic pressing. Surface and Coatings Technology, 2008, 202, 2458-2462.	2.2	12
69	New plasma surface-treated memory alloys: Towards a new generation of "smart" orthopaedic materials. Materials Science and Engineering C, 2008, 28, 454-459.	3.8	13
70	Surface structure and biomedical properties of chemically polished and electropolished NiTi shape memory alloys. Materials Science and Engineering C, 2008, 28, 1430-1434.	3.8	45
71	Capacity fading of pulsed-laser deposited HT-LiCoO <sub>2</sub> films cycled in LiClO <sub>4</sub> /PC. Materials Chemistry and Physics, 2008, 107, 254-260.	2.0	13
72	Effects of anodic oxidation in H <sub>2</sub> SO <sub>4</sub> electrolyte on the biocompatibility of NiTi shape memory alloy. Materials Letters, 2008, 62, 3512-3514.	1.3	16

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73	A Biomimetic Hierarchical Scaffold: Natural Growth of Nanotitanates on Three-Dimensional Microporous Ti-Based Metals. <i>Nano Letters</i> , 2008, 8, 3803-3808.	4.5	124
74	NiTi shape memory alloy thin film sensor micro-array for detection of infrared radiation. <i>Journal of Alloys and Compounds</i> , 2008, 449, 148-151.	2.8	13
75	Phase transformation behavior of porous NiTi alloys fabricated by capsule-free hot isostatic pressing. <i>Journal of Alloys and Compounds</i> , 2008, 449, 139-143.	2.8	57
76	Growth of HT-LiCoO <sub>2</sub> thin films on Pt-metalized silicon substrates. <i>Rare Metals</i> , 2008, 27, 266-272.	3.6	9
77	Electrochemical characterization of diamond like carbon thin films. <i>Diamond and Related Materials</i> , 2008, 17, 1871-1876.	1.8	20
78	Calcium filling of TiO <sub>2</sub> nanotubes on the surface of NiTi shape memory alloys by plasma immersion ion implantation. , 2008, , .		0
79	Pulse Laser Deposition and Electrochemical Characterization of LiFePO <sub>4</sub> C Composite Thin Films. <i>Journal of Physical Chemistry C</i> , 2008, 112, 7069-7078.	1.5	65
80	Formation of CaPO <sub>4</sub> and suppression of Ni leaching in nitinol using oxygen and sodium plasma immersion ion implantation. , 2008, , .		0
81	BIOMIMETIC DEPOSITION OF APATITE ON SURFACE CHEMICALLY MODIFIED POROUS NiTi SHAPEMEMORY ALLOY. <i>Surface Review and Letters</i> , 2008, 15, 97-104.	0.5	4
82	Fabrication of Titania Film on NiTi Alloy by a Deposition-Assisted Advanced Oxidation Method. <i>Advanced Materials Research</i> , 2008, 47-50, 310-313.	0.3	0
83	Forming and control of pores by capsule-free hot isostatic pressing in NiTi shape memory alloys. <i>Smart Materials and Structures</i> , 2008, 17, 025013.	1.8	9
84	Bioactivity and Corrosion Resistance of NiTi After Calcium Plasma Immersion Ion Implantation. , 2007, , .		0
85	Kinetics of Li <sup>+</sup> transport and capacity retention capability of HT- LiCoO <sub>2</sub> films. <i>Physica Scripta</i> , 2007, T129, 38-42.	1.2	8
86	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> , 2007, 17, 553-557.	1.7	17
87	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> , 2007, 82A, 403-414.	2.1	56
88	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> , 2007, 17, 902-906.	1.7	12
89	Poly(ethylene terephthalate)/polypropylene microfibrillar composites. III. Structural development of poly(ethylene terephthalate) microfibrils. <i>Journal of Applied Polymer Science</i> , 2007, 104, 137-146.	1.3	9
90	Pulsed Laser Deposition and Electrochemical Characterization of LiFePO <sub>4</sub> Ag Composite Thin Films. <i>Advanced Functional Materials</i> , 2007, 17, 3885-3896.	7.8	81

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91	Nickel release behavior, cytocompatibility, and superelasticity of oxidized porous single-phase NiTi. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 81A, 948-955.	2.1	41
92	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> , 2007, 82A, 469-478.	2.1	34
93	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> , 2007, 201, 8286-8290.	2.2	10
94	Nitrogen plasma-implanted nickel titanium alloys for orthopedic use. <i>Surface and Coatings Technology</i> , 2007, 201, 5607-5612.	2.2	27
95	Oxygen plasma treatment to restrain nickel out-diffusion from porous nickel titanium orthopedic materials. <i>Surface and Coatings Technology</i> , 2007, 201, 4893-4896.	2.2	19
96	Improvement of electrochemical performance of Si thin film anode by rare-earth La PIII technique. <i>Surface and Coatings Technology</i> , 2007, 201, 6785-6788.	2.2	6
97	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> , 2007, 253, 8507-8512.	3.1	56
98	Pore formation mechanism and characterization of porous NiTi shape memory alloys synthesized by capsule-free hot isostatic pressing. <i>Acta Materialia</i> , 2007, 55, 3437-3451.	3.8	86
99	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> , 2007, 444, 192-197.	2.6	21
100	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> , 2007, 192-193, 439-442.	3.1	47
101	Surface structure and properties of biomedical NiTi shape memory alloy after Fenton's oxidation. <i>Acta Biomaterialia</i> , 2007, 3, 795-806.	4.1	71
102	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> , 2007, 253, 3154-3159.	3.1	22
103	In vitro and in vivo characterization of novel plasma treated nickel titanium shape memory alloy for orthopedic implantation. <i>Surface and Coatings Technology</i> , 2007, 202, 1247-1251.	2.2	37
104	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> , 2006, 16, 49-53.	1.7	52
105	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> , 2006, 16, 1295-1300.	1.7	3
106	MgNi/Pd multilayer hydrogen storage thin films prepared by dc magnetron sputtering. <i>Journal of Alloys and Compounds</i> , 2006, 422, 58-61.	2.8	31
107	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> , 2006, 438-440, 657-660.	2.6	24
108	Improvement on corrosion resistance of NiTi orthopedic materials by carbon plasma immersion ion implantation. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2006, 242, 270-274.	0.6	13

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109	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> , 2006, 417, 104-109.	2.6	61
110	The effect of porosity on phase transformation behavior of porous Ti-50.8at.% Ni shape memory alloys prepared by capsule-free hot isostatic pressing. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2006, 438-440, 585-588.	2.6	39
111	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> , 2006, 41, 1671-1674.	1.7	5
112	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> , 2006, 37, 755-761.	1.1	49
113	Effects of coating process on the characteristics of Ag-SnO <sub>2</sub> contact materials. <i>Materials Chemistry and Physics</i> , 2006, 98, 477-480.	2.0	46
114	Biomimetic deposition process of an apatite coating on NiTi shape memory alloy. <i>Materials Letters</i> , 2006, 60, 3002-3006.	1.3	8
115	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> , 2006, 79A, 139-146.	2.1	38
116	Suppression of nickel release in nickel-titanium alloys by plasma immersion ion implantation surface treatment: towards a new generation of "smart" orthopaedic implants. , 2006, , .		0
117	Fabrication and properties of porous NiTi shape memory alloys for heavy load-bearing medical applications. <i>Journal of Materials Processing Technology</i> , 2005, 169, 103-107.	3.1	44
118	Anti-corrosion performance of oxidized and oxygen plasma-implanted NiTi alloys. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2005, 390, 444-451.	2.6	47
119	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> , 2005, 392, 106-111.	2.6	17
120	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> , 2005, 237, 411-416.	0.6	46
121	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> , 2005, 488, 20-25.	0.8	50
122	Carbon plasma immersion ion implantation of nickel-titanium shape memory alloys. <i>Biomaterials</i> , 2005, 26, 2265-2272.	5.7	125
123	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> , 2005, 59, 404-407.	1.3	25
124	Graded surface structure in chemically polished NiTi shape memory alloy after NaOH treatment. <i>Scripta Materialia</i> , 2005, 52, 1117-1121.	2.6	29
125	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> , 2005, 72A, 238-245.	2.1	41
126	Corrosion resistance, surface mechanical properties, and cytocompatibility of plasma immersion ion implantation-treated nickel-titanium shape memory alloys. <i>Journal of Biomedical Materials Research - Part A</i> , 2005, 75A, 256-267.	2.1	56



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127	Fabrication and characteristics of bioactive sodium titanate/titania graded film on NiTi shape memory alloy. Journal of Biomedical Materials Research - Part A, 2005, 75A, 595-602.	2.1	34
128	Effects of aging temperature on the martensitic transformation in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. Journal of Materials Science, 2005, 40, 4959-4961.	1.7	2
129	Characterization of transformation behavior in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. Journal of Materials Science, 2005, 40, 773-776.	1.7	9
130	Control of porosity and superelasticity of porous NiTi shape memory alloys prepared by hot isostatic pressing. Smart Materials and Structures, 2005, 14, S201-S206.	1.8	28
131	Surface and corrosion characteristics of carbon plasma implanted and deposited nickel-titanium alloy. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2005, 23, 525-530.	0.9	14
132	Suppression of Nickel Out-Diffusion from Porous Nickel-Titanium Shape Memory Alloy by Plasma Immersion Ion Implantation. IEEE International Conference on Plasma Science, 2005, , .	0.0	0
133	Microstructure of MmM5/Mg multi-layer films prepared by magnetron sputtering. Journal of Alloys and Compounds, 2005, 404-406, 485-489.	2.8	19
134	Influences of solution treatment on compressive properties of porous NiTi shape memory alloy with the porosity of 53.4 vol% fabricated by combustion synthesis. Journal of Materials Science, 2004, 39, 4949-4951.	1.7	8
135	Fabrication of porous NiTi shape memory alloy for hard tissue implants by combustion synthesis. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 366, 114-119.	2.6	162
136	Microstructure of MmM5/Mg multi-layer hydrogen storage films prepared by magnetron sputtering. Microscopy Research and Technique, 2004, 64, 323-329.	1.2	19
137	Nanophase decomposition in eutectoid Zn-Al based alloy films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 374, 145-152.	2.6	6
138	Microstructure and martensitic transformation behavior of porous NiTi shape memory alloy prepared by hot isostatic pressing processing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 382, 181-187.	2.6	109
139	Thin films of ferromagnetic shape memory alloys processed by laser beam ablation. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 378, 443-447.	2.6	13
140	Optimization of thermal treatment parameters to alter austenitic phase transition temperature of NiTi alloy for medical implant. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 383, 213-218.	2.6	72
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