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List of Publications by Citations

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	A facile method to improve the high rate capability of Co3O4 nanowire array electrodes. *Nano Research*, **2010**, 3, 895-901	10	153
180	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	5.3	149
179	The generalization of the extended Stevens operators to higher ranks and spins, and a systematic review of the tables of the tensor operators and their matrix elements. *Journal of Physics Condensed Matter*, **2004**, 16, 5825-5847	1.8	124
178	Carbon plasma immersion ion implantation of nickel-titanium shape memory alloys. *Biomaterials*, **2005**, 26, 2265-72	15.6	116
177	A biomimetic hierarchical scaffold: natural growth of nanotitanates on three-dimensional microporous Ti-based metals. *Nano Letters*, **2008**, 8, 3803-8	11.5	110
176	Facile synthesis of porous LiMn2O4 spheres as positive electrode for high-power lithium ion batteries. *Journal of Power Sources*, **2012**, 198, 251-257	8.9	106
175	Electrochemical performance of all-solid-state lithium batteries using inorganic lithium garnets particulate reinforced PEO/LiClO4 electrolyte. *Electrochimica Acta*, **2017**, 253, 430-438	6.7	99
174	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	5.3	99
173	Relationship between osseointegration and superelastic biomechanics in porous NiTi scaffolds. *Biomaterials*, **2011**, 32, 330-8	15.6	86
172	Pore formation mechanism and characterization of porous NiTi shape memory alloys synthesized by capsule-free hot isostatic pressing. *Acta Materialia*, **2007**, 55, 3437-3451	8.4	79
171	Pulsed Laser Deposition and Electrochemical Characterization of LiFePO4–Ag Composite Thin Films. *Advanced Functional Materials*, **2007**, 17, 3885-3896	15.6	73
170	Facile synthesis of spinel CuCo2O4 nanocrystals as high-performance cathode catalysts for rechargeable Li-air batteries. *Chemical Communications*, **2014**, 50, 14635-8	5.8	72
169	Facile synthesis and electrochemical characterization of porous and dense TiO2 nanospheres for lithium-ion battery applications. *Journal of Power Sources*, **2011**, 196, 6394-6399	8.9	70
168	Large-scale fabrication of graphene-wrapped FeF3 nanocrystals as cathode materials for lithium ion batteries. *Nanoscale*, **2013**, 5, 6338-43	7.7	67
167	Surface structure and properties of biomedical NiTi shape memory alloy after Fenton's oxidation. *Acta Biomaterialia*, **2007**, 3, 795-806	10.8	67
166	Citric Acid- and Ammonium-Mediated Morphological Transformations of Olivine LiFePO4 Particles. *Chemistry of Materials*, **2011**, 23, 2848-2859	9.6	64
165	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	5.3	64

164	Improvement of the wear behaviour of AlPb alloys by mechanical alloying. *Wear*, **2000**, 242, 47-53	3.5	63
163	Fabrication of FeF3 nanocrystals dispersed into a porous carbon matrix as a high performance cathode material for lithium ion batteries. *Journal of Materials Chemistry A*, **2013**, 1, 15060	13	61
162	Pulse Laser Deposition and Electrochemical Characterization of LiFePO4 Composite Thin Films. *Journal of Physical Chemistry C*, **2008**, 112, 7069-7078	3.8	61
161	Solvothermal synthesis of monodisperse LiFePO4 micro hollow spheres as high performance cathode material for lithium ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 8961-7	9.5	54
160	Surface oxidation of NiTi shape memory alloy in a boiling aqueous solution containing hydrogen peroxide. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 417, 104-109	5.3	53
159	Hydriding kinetics of nano-phase composite hydrogen storage alloys prepared by mechanical alloying of Mg and MmNi5(CoAlMn)x. *Journal of Alloys and Compounds*, **2002**, 330-332, 708-713	5.7	53
158	Surface mechanical properties, corrosion resistance, and cytocompatibility of nitrogen plasma-implanted nickel-titanium alloys: a comparative study with commonly used medical grade materials. *Journal of Biomedical Materials Research - Part A*, **2007**, 82, 403-14	5.4	52
157	Corrosion resistance, surface mechanical properties, and cytocompatibility of plasma immersion ion implantation-treated nickel-titanium shape memory alloys. *Journal of Biomedical Materials Research - Part A*, **2005**, 75, 256-67	5.4	52
156	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	4.4	51
155	Surface XPS characterization of NiTi shape memory alloy after advanced oxidation processes in UV/H2O2 photocatalytic system. *Applied Surface Science*, **2007**, 253, 8507-8512	6.7	49
154	Solvothermal synthesis of nano-LiMnPO4 from Li3PO4 rod-like precursor: reaction mechanism and electrochemical properties. *Journal of Materials Chemistry*, **2012**, 22, 25402		48
153	Formation of titanium nitride barrier layer in nickel–titanium shape memory alloys by nitrogen plasma immersion ion implantation for better corrosion resistance. *Thin Solid Films*, **2005**, 488, 20-25	2.2	48
152	Preparation and electrochemical properties of Li4Ti5O12 thin film electrodes by pulsed laser deposition. *Journal of Power Sources*, **2009**, 193, 816-821	8.9	47
151	Phase transformation behavior of porous NiTi alloys fabricated by capsule-free hot isostatic pressing. *Journal of Alloys and Compounds*, **2008**, 449, 139-143	5.7	47
150	Fabrication of LiF/Fe/Graphene nanocomposites as cathode material for lithium-ion batteries. *ACS Applied Materials & Interfaces*, **2013**, 5, 892-7	9.5	45
149	Preparation of CuAlNi-based shape memory alloys by mechanical alloying and powder metallurgy method. *Journal of Materials Processing Technology*, **1997**, 63, 307-312	5.3	45
148	A comparative study of the porous TiNi shape-memory alloys fabricated by three different processes. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2006**, 37, 755-761	2.3	44
147	Effects of heat treatment on characteristics of porous Ni-rich NiTi SMA prepared by SHS technique. *Transactions of Nonferrous Metals Society of China*, **2006**, 16, 49-53	3.3	44

146	High porosity and large pore size shape memory alloys fabricated by using pore-forming agent (NH4HCO3) and capsule-free hot isostatic pressing. *Journal of Materials Processing Technology*, **2007**, 192-193, 439-442	5.3	41
145	Fabrication and properties of porous NiTi shape memory alloys for heavy load-bearing medical applications. *Journal of Materials Processing Technology*, **2005**, 169, 103-107	5.3	41
144	Anti-corrosion performance of oxidized and oxygen plasma-implanted NiTi alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 390, 444-451	5.3	39
143	Hierarchical assembly of Ti(IV)/Sn(II) co-doped SnO2 nanosheets along sacrificial titanate nanowires: synthesis, characterization and electrochemical properties. *Nanoscale*, **2013**, 5, 9101-9	7.7	38
142	Nickel release behavior, cytocompatibility, and superelasticity of oxidized porous single-phase NiTi. *Journal of Biomedical Materials Research - Part A*, **2007**, 81, 948-55	5.4	38
141	Porous TiNi shape memory alloy with high strength fabricated by self-propagating high-temperature synthesis. *Materials Letters*, **2004**, 58, 1683-1686	3.3	38
140	Improvements of anti-corrosion and mechanical properties of NiTi orthopedic materials by acetylene, nitrogen and oxygen plasma immersion ion implantation. *Nuclear Instruments & Methods in Physics Research B*, **2005**, 237, 411-416	1.2	38
139	Cobalt-copper layered double hydroxide nanosheets as high performance bifunctional catalysts for rechargeable lithium-air batteries. *Journal of Alloys and Compounds*, **2016**, 688, 380-387	5.7	36
138	Microwave-assisted hydrothermal synthesis of porous SnO2 nanotubes and their lithium ion storage properties. *Journal of Solid State Chemistry*, **2012**, 190, 104-110	3.3	36
137	Investigation of nickel suppression and cytocompatibility of surface-treated nickel-titanium shape memory alloys by using plasma immersion ion implantation. *Journal of Biomedical Materials Research - Part A*, **2005**, 72, 238-45	5.4	36
136	Surface structure and biomedical properties of chemically polished and electropolished NiTi shape memory alloys. *Materials Science and Engineering C*, **2008**, 28, 1430-1434	8.3	35
135	Effects of coating process on the characteristics of Ag-SnO2 contact materials. *Materials Chemistry and Physics*, **2006**, 98, 477-480	4.4	35
134	Surface characteristics, mechanical properties, and cytocompatibility of oxygen plasma-implanted porous nickel titanium shape memory alloy. *Journal of Biomedical Materials Research - Part A*, **2006**, 79, 139-46	5.4	35
133	Effect of f.c.c. antiferromagnetism on martensitic transformation in Fe-Mn-Si based alloys. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1999**, 264, 262-268	5.3	34
132	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	4.3	32
131	Surface characteristics, biocompatibility, and mechanical properties of nickel-titanium plasma-implanted with nitrogen at different implantation voltages. *Journal of Biomedical Materials Research - Part A*, **2007**, 82, 469-78	5.4	32
130	The effect of porosity on phase transformation behavior of porous Ti-50.8at.% Ni shape memory alloys prepared by capsule-free hot isostatic pressing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2006**, 438-440, 585-588	5.3	32
129	Periodic porous silicon thin films with interconnected channels as durable anode materials for lithium ion batteries. *Materials Chemistry and Physics*, **2014**, 144, 25-30	4.4	31

128	Microwave-assisted synthesis of Cu2ZnSnS4 nanocrystals as a novel anode material for lithium ion battery. *Journal of Nanoparticle Research*, **2012**, 14, 1	2.3	31
127	Single-crystalline Li4Ti5O12 nanorods and their application in high rate capability Li4Ti5O12/LiMn2O4 full cells. *Journal of Power Sources*, **2013**, 242, 222-229	8.9	31
126	In vitro and in vivo characterization of novel plasma treated nickel titanium shape memory alloy for orthopedic implantation. *Surface and Coatings Technology*, **2007**, 202, 1247-1251	4.4	31
125	Thermomechanical training behavior and its dynamic mechanical analysis in an Fe-Mn-Si shape memory alloy. *Materials Characterization*, **1996**, 37, 227-236	3.9	30
124	Interfacial redox reaction-directed synthesis of silver@cerium oxide core–shell nanocomposites as catalysts for rechargeable lithium–air batteries. *Journal of Power Sources*, **2015**, 286, 136-144	8.9	29
123	Conformal Coating of Heterogeneous CoO/Co Nanocomposites on Carbon Nanotubes as Efficient Bifunctional Electrocatalyst for Li-Air Batteries. *Electrochimica Acta*, **2016**, 219, 560-567	6.7	29
122	Rugated porous Fe3O4 thin films as stable binder-free anode materials for lithium ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 22692		29
121	MgNi/Pd multilayer hydrogen storage thin films prepared by dc magnetron sputtering. *Journal of Alloys and Compounds*, **2006**, 422, 58-61	5.7	29
120	Graded surface structure in chemically polished NiTi shape memory alloy after NaOH treatment. *Scripta Materialia*, **2005**, 52, 1117-1121	5.6	28
119	Hydrogen release from titanium hydride in foaming of orthopedic NiTi scaffolds. *Acta Biomaterialia*, **2011**, 7, 1387-97	10.8	27
118	Fabrication and characteristics of bioactive sodium titanate/titania graded film on NiTi shape memory alloy. *Journal of Biomedical Materials Research - Part A*, **2005**, 75, 595-602	5.4	27
117	Electrochemical performance of LiNi1/3Co1/3Mn1/3O2 thin film electrodes prepared by pulsed laser deposition. *Journal of Power Sources*, **2012**, 217, 491-497	8.9	26
116	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	1.6	26
115	Nitrogen plasma-implanted nickel titanium alloys for orthopedic use. *Surface and Coatings Technology*, **2007**, 201, 5607-5612	4.4	26
114	Control of porosity and superelasticity of porous NiTi shape memory alloys prepared by hot isostatic pressing. *Smart Materials and Structures*, **2005**, 14, S201-S206	3.4	26
113	Analysis of the infrared spectrum and microstructure of hardened cement paste. *Cement and Concrete Research*, **1999**, 29, 805-812	10.3	26
112	Reverse transformations in CuAlNiMnTi alloy at elevated temperatures. *Acta Materialia*, **1996**, 44, 1189-1199	8.1	25
111	XPS and biocompatibility studies of titania film on anodized NiTi shape memory alloy. *Journal of Materials Science: Materials in Medicine*, **2009**, 20, 223-8	4.5	23

110	Electrochemical performance and kinetic behavior of lithium ion in Li4Ti5O12 thin film electrodes. *Applied Surface Science*, **2014**, 314, 936-941	6.7	22
109	Superelastic properties of porous TiNi shape memory alloys prepared by hot isostatic pressing. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2006**, 438-440, 657-660	5.3	22
108	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	4.4	21
107	Effects of water plasma immersion ion implantation on surface electrochemical behavior of NiTi shape memory alloys in simulated body fluids. *Applied Surface Science*, **2007**, 253, 3154-3159	6.7	21
106	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. *Materials Letters*, **2005**, 59, 404-407	3.3	21
105	Facile synthesis of porous Li-rich layered Li[Li0.2Mn0.534Ni0.133Co0.133]O2 as high-performance cathode materials for Li-ion batteries. *RSC Advances*, **2015**, 5, 30507-30513	3.7	20
104	Structure and wear properties of NiTi modified by nitrogen plasma immersion ion implantation. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **2007**, 444, 192-197	5.3	20
103	Growth of TiNiHf shape memory alloy thin films by laser ablation of composite targets. *Applied Surface Science*, **1998**, 127-129, 579-583	6.7	19
102	Effect of thermo-mechanical treatment on superelastic behavior of Ti□19Nb□14Zr (at.%) shape memory alloy. *Intermetallics*, **2013**, 32, 44-50	3.5	18
101	Effect of heat treatment time on microstructure and mechanical properties of Ti□19Nb□9Zr (at%) shape memory alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2013**, 561, 427-433	5.3	18
100	Electrochemical characterization of diamond like carbon thin films. *Diamond and Related Materials*, **2008**, 17, 1871-1876	3.5	18
99	Effect of mechanical alloying on the solid state reaction processing of Ni-36.5 at.% Al alloy. *Intermetallics*, **2002**, 10, 865-871	3.5	18
98	Effect of carbon nanotubes and their dispersion on thermal curing of polyimide precursors. *Polymer Degradation and Stability*, **2010**, 95, 1672-1678	4.7	17
97	Effect of parent phase ageing on CuZnAl shape memory alloys with Mn and Zr addition. *Materials Letters*, **1998**, 33, 291-296	3.3	17
96	Oxygen plasma treatment to restrain nickel out-diffusion from porous nickel titanium orthopedic materials. *Surface and Coatings Technology*, **2007**, 201, 4893-4896	4.4	17
95	MmM5/Mg multi-layer hydrogen storage thin films prepared by dc magnetron sputtering. *Journal of Alloys and Compounds*, **2004**, 370, L4-L6	5.7	17
94	Phase transformation behaviors in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2005**, 392, 106-111	5.3	17
93	Layered Li2MnO3□LiNi(0.5-x)Mn(0.5-x)Co(2x)O2 microspheres with Mn-rich cores as high performance cathode materials for lithium ion batteries. *Physical Chemistry Chemical Physics*, **2013**, 15, 16579-85	3.6	16

92	Large-scale fabrication of hierarchical □Fe2O3 assemblies as high performance anode materials for lithium-ion batteries. *CrystEngComm*, **2012**, 14, 7882	3.3	16
91	Effect of Sn addition on the corrosion behavior of Ti-Ta alloy. *Materials and Corrosion - Werkstoffe Und Korrosion*, **2012**, 63, 259-263	1.6	16
90	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	1.6	16
89	Remarkable biocompatibility enhancement of porous NiTi alloys by a new surface modification approach: in-situ nitriding and in vitro and in vivo evaluation. *Journal of Biomedical Materials Research - Part A*, **2011**, 99, 544-53	5.4	16
88	Effect of rare earth element Nd on the ductility and fracture behavior of a Ni-rich NiAl alloy. *Scripta Materialia*, **1997**, 37, 99-102	5.6	16
87	Pulsed laser deposition of NiTi shape memory alloy thin films with optimum parameters. *Thin Solid Films*, **1998**, 330, 196-201	2.2	16
86	Microstructure of MmM5/Mg multi-layer films prepared by magnetron sputtering. *Journal of Alloys and Compounds*, **2005**, 404-406, 485-489	5.7	16
85	Phase transitions in reactive formation of Ti5Si3/TiAl in situ composites. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **2000**, 31, 763-771	2.3	16
84	Cu-based shape memory alloys with enhanced thermal stability and mechanical properties. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing* , **1999**, 273-275, 622-624	5.3	16
83	Facile synthesis and electrochemical characterization of Sn4Ni3/C nanocomposites as anode materials for lithium ion batteries. *Journal of Solid State Chemistry*, **2012**, 196, 536-542	3.3	15
82	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	4.4	15
81	Microstructure of MmM(5)/Mg multi-layer hydrogen storage films prepared by magnetron sputtering. *Microscopy Research and Technique*, **2004**, 64, 323-9	2.8	15
80	Formation of MgCNi3 and Mg□Ni amorphous mixture by mechanical alloying of Mg□Ni□C system. *Materials Letters*, **2004**, 58, 2203-2206	3.3	15
79	Microstructure and hydrogen absorption properties of nano-phase composite prepared by mechanical alloying of MmNi5□(CoAlMn)x and Mg. *Journal of Alloys and Compounds*, **1999**, 293-295, 531-535	5.7	15
78	Wear mechanism and tribological characteristics of porous NiTi shape memory alloy for bone scaffold. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 2586-601	5.4	13
77	Surface mechanical attrition treatment induced phase transformation behavior in NiTi shape memory alloy. *Journal of Alloys and Compounds*, **2009**, 482, 298-301	5.7	13
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75	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	2.9	13

74	Four-electrode symmetric setup for electrochemical impedance spectroscopy study of Lithium□Sulfur batteries. *Journal of Power Sources*, **2019**, 441, 227202	8.9	12
73	Triethylene Glycol Assisted Synthesis of Pure Tavorite LiFeSO4F Cathode Material for Li-Ion Battery. *Journal of the Electrochemical Society*, **2013**, 160, A3072-A3076	3.9	12
72	Capacity fading of pulsed-laser deposited HT-LiCoO2 films cycled in LiClO4/PC. *Materials Chemistry and Physics*, **2008**, 107, 254-260	4.4	12
71	Effects of anodic oxidation in H2SO4 electrolyte on the biocompatibility of NiTi shape memory alloy. *Materials Letters*, **2008**, 62, 3512-3514	3.3	12
70	NiTi shape memory alloy thin film sensor micro-array for detection of infrared radiation. *Journal of Alloys and Compounds*, **2008**, 449, 148-151	5.7	12
69	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	4.4	12
68	New plasma surface-treated memory alloys: Towards a new generation of □smart□ orthopaedic materials. *Materials Science and Engineering C*, **2008**, 28, 454-459	8.3	12
67	In situ synthesis of nanostructured titania film on NiTi shape memory alloy by Fenton's oxidation method. *Transactions of Nonferrous Metals Society of China*, **2007**, 17, 902-906	3.3	12
66	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	5.3	12
65	Hydrothermal Growth Mechanism of Controllable Hydrophilic Titanate Nanostructures on Medical NiTi Shape Memory Alloy. *Journal of Materials Engineering and Performance*, **2012**, 21, 2600-2606	1.6	11
64	Effect of graphite addition on martensitic transformation and damping behavior of NiTi shape memory alloy. *Materials Letters*, **2011**, 65, 1073-1075	3.3	11
63	Nano-scale surface morphology, wettability and osteoblast adhesion on nitrogen plasma-implanted NiTi shape memory alloy. *Journal of Nanoscience and Nanotechnology*, **2009**, 9, 3449-54	1.3	11
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61	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	5.7	10
60	Improvement of the shape memory characteristics of a Cu-Zn-Al alloy with manganese and zirconium addition. *Scripta Materialia*, **1997**, 36, 955-960	5.6	10
59	Room-temperature growth of high-purity titanium nitride by laser ablation of titanium in a nitrogen atmosphere. *Surface and Coatings Technology*, **1998**, 110, 153-157	4.4	10
58	Improvement on corrosion resistance of NiTi orthopedic materials by carbon plasma immersion ion implantation. *Nuclear Instruments & Methods in Physics Research B*, **2006**, 242, 270-274	1.2	10
57	Electrochemical Stability of Orthopedic Porous NiTi Shape Memory Alloys Treated by Different Surface Modification Techniques. *Journal of the Electrochemical Society*, **2009**, 156, C187	3.9	9

56	Preparation of metastable precursors with different compositions of TiAlSi by mechanical alloying. *Journal of Materials Processing Technology*, **2003**, 139, 434-439	5.3	9
55	Microstructure of MgNi thin film prepared by direct current magnetron sputtering and its properties as a negative electrode. *Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films*, **2003**, 21, 1905-1908	2.9	9
54	Characterization of transformation behavior in porous Ni-rich NiTi shape memory alloy fabricated by combustion synthesis. *Journal of Materials Science*, **2005**, 40, 773-776	4.3	9
53	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	5.3	8
52	Effect of aging on martensitic transformation behavior of Ti48.8Ni50.8V0.4 alloy. *Journal of Materials Science*, **2011**, 46, 6432-6436	4.3	8
51	Growth of HT-LiCoO2 thin films on Pt-metalized silicon substrates. *Rare Metals*, **2008**, 27, 266-272	5.5	8
50	Forming and control of pores by capsule-free hot isostatic pressing in NiTi shape memory alloys. *Smart Materials and Structures*, **2008**, 17, 025013	3.4	8
49	Poly(ethylene terephthalate)/polypropylene microfibrillar composites. III. Structural development of poly(ethylene terephthalate) microfibers. *Journal of Applied Polymer Science*, **2007**, 104, 137-146	2.9	8
48	In situ composite formation in Ti?Al?Si ternary system. *Journal of Materials Processing Technology*, **1999**, 89-90, 361-366	5.3	8
47	Effects of pulsing frequency on shape recovery and investigation of nickel out-diffusion after mechanical bending of nitrogen plasma implanted NiTi shape memory alloys. *Surface and Coatings Technology*, **2007**, 201, 8286-8290	4.4	7
46	Biomimetic deposition process of an apatite coating on NiTi shape memory alloy. *Materials Letters*, **2006**, 60, 3002-3006	3.3	7
45	Kinetics of Li+ transport and capacity retention capability of HT- LiCoO2 films. *Physica Scripta*, **2007**, T129, 38-42	2.6	7
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43	Thermal cycling effects in Cu-Zn-Al shape memory alloy by positron lifetime measurementS. *Scripta Metallurgica Et Materialia*, **1995**, 32, 1865-1869		7
42	Wear Properties of Porous NiTi Orthopedic Shape Memory Alloy. *Journal of Materials Engineering and Performance*, **2012**, 21, 2622-2627	1.6	6
41	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	2.2	6
40	Novel method of ultrafine titania particle sol preparation. *Journal of Materials Science Letters*, **1997**, 16, 1284-1285		6
39	Removal of martensite stabilisation in CANTiM shape memory alloy by post-quench ageing. *Journal of Materials Processing Technology*, **1997**, 63, 600-603	5.3	6

38	Nanophase decomposition in eutectoid ZnAl based alloy films. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2004**, 374, 145-152	5.3	6
37	On nanophase stability in eutectoid ZnAl based alloy films. *Applied Surface Science*, **2004**, 236, 106-113	6.7	6
36	Solid state reaction and formation of nano-phase composite hydrogen storage alloy by mechanical alloying of MmNi3.5(CoMnAl)1.5 and Mg. *Journal of Materials Science*, **2003**, 38, 2499-2504	4.3	6
35	In vitro and in vivo evaluation of porous NiTi alloy modified by sputtering a surface TiO2 film. *Science China Technological Sciences*, **2012**, 55, 437-444	3.5	5
34	Superelastic behavior and microstructure of Ti19Nb9Zr1Mo (at%) alloy. *Materials Letters*, **2013**, 109, 172-174	3.3	5
33	NiTi shape memory alloy thin film micro-cantilevers array. *Thin Solid Films*, **2011**, 519, 5307-5309	2.2	5
32	Martensitic Transformation in Ti36.5Ni48.5Hf15 High Temperature Shape Memory Alloy. *Materials Transactions, JIM*, **1997**, 38, 842-851		5
31	Microstructural studies of a Cu-Zn-Al shape-memory alloy with manganese and zirconium addition. *Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science*, **1998**, 29, 1865-1871	2.3	5
30	Improvement of electrochemical performance of Si thin film anode by rare-earth La PIII technique. *Surface and Coatings Technology*, **2007**, 201, 6785-6788	4.4	5
29	Structure and electrochemical performance of nanosized Li1.1(Ni0.35Co0.35Mn0.30)O2 powders for lithium-ion battery. *Functional Materials Letters*, **2014**, 07, 1450061	1.2	4
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