

# Santiago Suriñach

## List of Publications by Year in descending order

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246  
papers

8,455  
citations

43973

48  
h-index

56606

83  
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248  
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248  
docs citations

248  
times ranked

7746  
citing authors

#	ARTICLE	IF	CITATIONS
1	Ligand-Capped Ru Nanoparticles as Efficient Electrocatalyst for the Hydrogen Evolution Reaction. ACS Catalysis, 2018, 8, 11094-11102.	5.5	70
2	Synthesis of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> and Fe-Mn Oxide Foams with Highly Tunable Magnetic Properties by the Replication Method from Polyurethane Templates. Materials, 2018, 11, 280.	1.3	10
3	Evaporation-induced self-assembly synthesis of Ni-doped mesoporous SnO <sub>2</sub> thin films with tunable room temperature magnetic properties. Journal of Materials Chemistry C, 2017, 5, 5517-5527.	2.7	19
4	Cross-sectioning spatio-temporal Co-In electrodeposits: Disclosing a magnetically-patterned nanolaminated structure. Materials and Design, 2017, 114, 202-207.	3.3	2
5	A facile co-precipitation synthesis of heterostructured ZrO <sub>2</sub>   ZnO nanoparticles as efficient photocatalysts for wastewater treatment. Journal of Materials Science, 2017, 52, 13779-13789.	1.7	18
6	Mechanical behaviour of brushite and hydroxyapatite coatings electrodeposited on newly developed FeMnSiPd alloys. Journal of Alloys and Compounds, 2017, 729, 231-239.	2.8	23
7	Self-templating faceted and spongy single-crystal ZnO nanorods: Resistive switching and enhanced piezoresponse. Materials and Design, 2017, 133, 54-61.	3.3	16
8	Mechanical properties, corrosion performance and cell viability studies on newly developed porous Fe-Mn-Si-Pd alloys. Journal of Alloys and Compounds, 2017, 724, 1046-1056.	2.8	37
9	Biodegradable FeMnSi Sputter-Coated Macroporous Polypropylene Membranes for the Sustained Release of Drugs. Nanomaterials, 2017, 7, 155.	1.9	2
10	Electrodeposition of sizeable and compositionally tunable rhodium-iron nanoparticles and their activity toward hydrogen evolution reaction. Electrochimica Acta, 2016, 194, 263-275.	2.6	16
11	Novel Fe-Mn-Si-Pd alloys: insights into mechanical, magnetic, corrosion resistance and biocompatibility performances. Journal of Materials Chemistry B, 2016, 4, 6402-6412.	2.9	37
12	Nanocasting synthesis of mesoporous SnO <sub>2</sub> with a tunable ferromagnetic response through Ni loading. RSC Advances, 2016, 6, 104799-104807.	1.7	16
13	Spontaneous formation of spiral-like patterns with distinct periodic physical properties by confined electrodeposition of Co-In disks. Scientific Reports, 2016, 6, 30398.	1.6	9
14	Electrochemically synthesized amorphous and crystalline nanowires: dissimilar nanomechanical behavior in comparison with homologous flat films. Nanoscale, 2016, 8, 1344-1351.	2.8	16
15	Nanostructured Ti-Zr-Pd-Si(Nb) bulk metallic composites: Novel biocompatible materials with superior mechanical strength and elastic recovery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2015, 103, 1569-1579.	1.6	8
16	Structurally and mechanically tunable molybdenum oxide films and patterned submicrometer structures by electrodeposition. Electrochimica Acta, 2015, 173, 705-714.	2.6	27
17	Nanomechanical behavior of 3D porous metal-ceramic nanocomposite Bi/Bi <sub>2</sub> O <sub>3</sub> films. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2015, 626, 150-158.	2.6	4
18	Synthesis and characterization of nanostructured materials based on Fe <sub>50</sub> Co <sub>50</sub> and Fe <sub>75</sub> Co <sub>25</sub> . CTyF - Ciencia, Tecnología Y Futuro, 2015, 6, 33-44.	0.3	2

#	ARTICLE	IF	CITATIONS
19	Drastic influence of minor Fe or Co additions on the glass forming ability, martensitic transformations and mechanical properties of shape memory Zr-Cu-Al bulk metallic glass composites. <i>Science and Technology of Advanced Materials</i> , 2014, 15, 035015.	2.8	14
20	Structural and mechanical modifications induced on Cu <sub>47.5</sub> Zr <sub>47.5</sub> Al <sub>5</sub> metallic glass by surface laser treatments. <i>Applied Surface Science</i> , 2014, 290, 188-193.	3.1	19
21	Effects of shot peening on the nanoindentation response of Cu <sub>47.5</sub> Zr <sub>47.5</sub> Al <sub>5</sub> metallic glass. <i>Journal of Alloys and Compounds</i> , 2014, 586, S36-S40.	2.8	9
22	Self-organized spatio-temporal micropatterning in ferromagnetic Co-In films. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8259-8269.	2.7	9
23	Influence of the irradiation temperature on the surface structure and physical/chemical properties of Ar ion-irradiated bulk metallic glasses. <i>Journal of Alloys and Compounds</i> , 2014, 610, 118-125.	2.8	13
24	Effect of Thermally-Induced Surface Oxidation on the Mechanical Properties and Corrosion Resistance of Zr <sub>60</sub> Cu <sub>25</sub> Al <sub>10</sub> Fe <sub>5</sub> Bulk Metallic Glass. <i>Science of Advanced Materials</i> , 2014, 6, 27-36.	0.1	4
25	White-light photoluminescence and photoactivation in cadmium sulfide embedded in mesoporous silicon dioxide templates studied by confocal laser scanning microscopy. <i>Journal of Colloid and Interface Science</i> , 2013, 407, 47-59.	5.0	8
26	Tailoring the physical properties of electrodeposited CoNiReP alloys with large Re content by direct, pulse, and reverse pulse current techniques. <i>Electrochimica Acta</i> , 2013, 96, 43-50.	2.6	8
27	Correlating material-specific layers and magnetic distributions within onion-like Fe <sub>3</sub> O <sub>4</sub> /MnO <sub>2</sub> /Mn <sub>2</sub> O <sub>3</sub> core/shell nanoparticles. <i>Journal of Applied Physics</i> , 2013, 113, 17B531.	1.1	20
28	Robust antiferromagnetic coupling in hard-soft bi-magnetic core/shell nanoparticles. <i>Nature Communications</i> , 2013, 4, 2960.	5.8	160
29	Influence of the shot-peening intensity on the structure and near-surface mechanical properties of Ti <sub>40</sub> Zr <sub>10</sub> Cu <sub>38</sub> Pd <sub>12</sub> bulk metallic glass. <i>Applied Physics Letters</i> , 2013, 103, 211907.	1.5	18
30	Ordered arrays of ferromagnetic, compositionally graded Cu <sub>1-x</sub> Ni <sub>x</sub> alloy nanopillars prepared by template-assisted electrodeposition. <i>Journal of Materials Chemistry C</i> , 2013, 1, 7215.	2.7	11
31	Mechanochemical synthesis of NaBH <sub>4</sub> starting from Na-MgB <sub>2</sub> reactive hydride composite system. <i>International Journal of Hydrogen Energy</i> , 2013, 38, 2363-2369.	3.8	19
32	Controlled 3D-coating of the pores of highly ordered mesoporous antiferromagnetic Co <sub>3</sub> O <sub>4</sub> replicas with ferrimagnetic Fe <sub>x</sub> Co <sub>3-x</sub> O <sub>4</sub> nanolayers. <i>Nanoscale</i> , 2013, 5, 5561.	2.8	12
33	Improved plasticity and corrosion behavior in Ti-Zr-Cu-Pd metallic glass with minor additions of Nb: An alloy composition intended for biomedical applications. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 559, 159-164.	2.6	40
34	Nanocasting of Mesoporous In-TM (TM = Co, Fe, Mn) Oxides: Towards 3D Diluted Oxide Magnetic Semiconductor Architectures. <i>Advanced Functional Materials</i> , 2013, 23, 900-911.	7.8	38
35	On the biodegradability, mechanical behavior, and cytocompatibility of amorphous Mg <sub>72</sub> Zn <sub>23</sub> Ca <sub>5</sub> and crystalline Mg <sub>70</sub> Zn <sub>23</sub> Ca <sub>5</sub> Pd <sub>2</sub> alloys as temporary implant materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2013, 101A, 502-517.	2.1	24
36	Novel Ti-Zr-Hf-Fe Nanostructured Alloy for Biomedical Applications. <i>Materials</i> , 2013, 6, 4930-4945.	1.3	30

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37	Comparative study of nanoindentation on melt-spun ribbon and bulk metallic glass with Ni <sub>60</sub> Nb <sub>37</sub> B <sub>3</sub> composition. <i>Journal of Materials Research</i> , 2013, 28, 2740-2746.	1.2	7
38	Influence of the Si content on the microstructure and mechanical properties of Ti–Ni–Cu–Si–Sn nanocomposite alloys. <i>Journal of Alloys and Compounds</i> , 2012, 536, S186-S189.	2.8	4
39	Deformation and fracture behavior of corrosion-resistant, potentially biocompatible, Ti <sub>40</sub> Zr <sub>10</sub> Cu <sub>38</sub> Pd <sub>12</sub> bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2012, 536, S74-S77.	2.8	6
40	Mechanical and corrosion behaviour of as-cast and annealed Zr <sub>60</sub> Cu <sub>20</sub> Al <sub>10</sub> Fe <sub>5</sub> Ti <sub>5</sub> bulk metallic glass. <i>Intermetallics</i> , 2012, 28, 149-155.	1.8	31
41	Hydrogen storage properties of 2Mg–Fe mixtures processed by hot extrusion: Influence of the extrusion ratio. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 15196-15203.	3.8	9
42	Gold and silver nanoparticles surface functionalized with rhenium carbonyl complexes. <i>Materials Chemistry and Physics</i> , 2012, 137, 439-447.	2.0	8
43	Nanostructured $\beta$ -phase Ti–31.0Fe–9.0Sn and sub- $\frac{1}{4}$ $\mu$ m structured Ti–39.3Nb–13.3Zr–10.7Ta alloys for biomedical applications: Microstructure benefits on the mechanical and corrosion performances. <i>Materials Science and Engineering C</i> , 2012, 32, 2418-2425.	3.8	90
44	Strongly exchange coupled inverse ferrimagnetic soft/hard, Mn <sub>x</sub> Fe <sub>3–x</sub> O <sub>4</sub> /Fe <sub>x</sub> Mn <sub>3–x</sub> O <sub>4</sub> , core/shell heterostructured nanoparticles. <i>Nanoscale</i> , 2012, 4, 5138.	2.8	76
45	Improved mechanical performance and delayed corrosion phenomena in biodegradable Mg–Zn–Ca alloys through Pd-alloying. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 6, 53-62.	1.5	72
46	Experimental Evidence of Na <sub>2</sub> [B <sub>12</sub> H <sub>12</sub> ] and Na Formation in the Desorption Pathway of the 2NaBH <sub>4</sub> +MgH <sub>2</sub> System. <i>Journal of Physical Chemistry C</i> , 2011, 115, 16664-16671.	1.5	46
47	Two-, Three-, and Four-Component Magnetic Multilayer Onion Nanoparticles Based on Iron Oxides and Manganese Oxides. <i>Journal of the American Chemical Society</i> , 2011, 133, 16738-16741.	6.6	55
48	2Mg–Fe alloys processed by hot-extrusion: Influence of processing temperature and the presence of MgO and MgH <sub>2</sub> on hydrogenation sorption properties. <i>Journal of Alloys and Compounds</i> , 2011, 509, S460-S463.	2.8	19
49	Indentation plastic work and large compression plasticity in in situ nanocrystallized Zr <sub>62</sub> Cu <sub>18</sub> Ni <sub>10</sub> Al <sub>10</sub> bulk metallic glass. <i>Journal of Alloys and Compounds</i> , 2011, 509, S87-S91.	2.8	2
50	Grain Boundary Segregation and Interdiffusion Effects in Nickel–Copper Alloys: An Effective Means to Improve the Thermal Stability of Nanocrystalline Nickel. <i>ACS Applied Materials &amp; Interfaces</i> , 2011, 3, 2265-2274.	4.0	63
51	A comparison between fine-grained and nanocrystalline electrodeposited Cu–Ni films. Insights on mechanical and corrosion performance. <i>Surface and Coatings Technology</i> , 2011, 205, 5285-5293.	2.2	56
52	Enhanced mechanical properties and in vitro corrosion behavior of amorphous and devitrified Ti <sub>40</sub> Zr <sub>10</sub> Cu <sub>38</sub> Pd <sub>12</sub> metallic glass. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 1709-1717.	1.5	97
53	Effects of the anion in glycine-containing electrolytes on the mechanical properties of electrodeposited Co–Ni films. <i>Materials Chemistry and Physics</i> , 2011, 130, 1380-1386.	2.0	39
54	High-performance electrodeposited Co-rich CoNiReP permanent magnets. <i>Electrochimica Acta</i> , 2011, 56, 8979-8988.	2.6	9

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55	Thermodynamic and Kinetic Investigations on Pure and Doped NaBH <sub>4</sub> ~MgH <sub>2</sub> System. Journal of Physical Chemistry C, 2011, 115, 3151-3162.	1.5	50
56	Influence of the preparation method on the morphology of templated NiCo <sub>2</sub> O <sub>4</sub> spinel. Journal of Nanoparticle Research, 2011, 13, 3671-3681.	0.8	9
57	The Influence of Deformation-Induced Martensitic Transformations on the Mechanical Properties of Nanocomposite Cu~Zr~(Al) Systems. Advanced Engineering Materials, 2011, 13, 57-63.	1.6	20
58	Electrodeposition of cobalt-yttrium hydroxide/oxide nanocomposite films from particle-free aqueous baths containing chloride salts. Electrochimica Acta, 2011, 56, 5142-5150.	2.6	20
59	Hydrogen sorption performance of MgH <sub>2</sub> doped with mesoporous nickel- and cobalt-based oxides. International Journal of Hydrogen Energy, 2011, 36, 5400-5410.	3.8	81
60	Tunable magnetic patterning of paramagnetic Fe <sub>60</sub> Al <sub>40</sub> (at. %) by consecutive ion irradiation through pre-lithographed shadow masks. Journal of Applied Physics, 2011, 109, 093918.	1.1	10
61	Can Na <sub>2</sub> [B <sub>12</sub> H <sub>12</sub> ] be a decomposition product of NaBH <sub>4</sub> ?. Physical Chemistry Chemical Physics, 2010, 12, 15093.	1.3	49
62	Enhanced mechanical properties in a Zr-based metallic glass caused by deformation-induced nanocrystallization. Scripta Materialia, 2010, 62, 13-16.	2.6	41
63	Nanocrystalline Electroplated Cu~Ni: Metallic Thin Films with Enhanced Mechanical Properties and Tunable Magnetic Behavior. Advanced Functional Materials, 2010, 20, 983-991.	7.8	92
64	Sorption properties of NaBH <sub>4</sub> /MH <sub>2</sub> (M=Mg, Ti) powder systems. International Journal of Hydrogen Energy, 2010, 35, 5434-5441.	3.8	57
65	Enhanced mechanical properties due to structural changes induced by devitrification in Fe~Co~Ba~Si~Nb bulk metallic glass. Acta Materialia, 2010, 58, 6256-6266.	3.8	88
66	Out-of-Plane Magnetic Patterning Based on Indentation-Induced Nanocrystallization of a Metallic Glass. Small, 2010, 6, 1543-1549.	5.2	18
67	Synthesis of compositionally graded nanocast NiO/NiCo <sub>2</sub> O <sub>4</sub> /Co <sub>3</sub> O <sub>4</sub> mesoporous composites with tunable magnetic properties. Journal of Materials Chemistry, 2010, 20, 7021.	6.7	81
68	Magnetic Measurements as a Sensitive Tool for Studying Dehydrogenation Processes in Hydrogen Storage Materials. Journal of Physical Chemistry C, 2010, 114, 16818-16822.	1.5	3
69	Partial crystallization and corrosion resistance of amorphous Fe-Cr-M-B (M=Mo, Nb) alloys. Journal of Non-Crystalline Solids, 2010, 356, 2651-2657.	1.5	44
70	Mechanical behavior under nanoindentation of a new Ni-based glassy alloy produced by melt-spinning and copper mold casting. Journal of Non-Crystalline Solids, 2010, 356, 2251-2257.	1.5	13
71	Microstructural characterization and hydrogenation study of extruded MgFe alloy. Journal of Alloys and Compounds, 2010, 504, S299-S301.	2.8	19
72	Effects of severe plastic deformation on the structure and thermo-mechanical properties of Zr <sub>55</sub> Cu <sub>30</sub> Al <sub>10</sub> Ni <sub>5</sub> bulk metallic glass. Journal of Alloys and Compounds, 2010, 500, 61-67.	2.8	31

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73	Synthesis of amorphous Mg(BH <sub>4</sub> ) <sub>2</sub> from MgB <sub>2</sub> and H <sub>2</sub> at room temperature. Journal of Alloys and Compounds, 2010, 508, 212-215.	2.8	66
74	Size-Dependent Passivation Shell and Magnetic Properties in Antiferromagnetic/Ferrimagnetic Core/Shell MnO Nanoparticles. Journal of the American Chemical Society, 2010, 132, 9398-9407.	6.6	106
75	Evolution of the Mechanical Properties of Ti-Based Metallic Glass During Depth-Sensing Load-Unload Nanoindentation Cycles. Nanoscience and Nanotechnology Letters, 2010, 2, 298-302.	0.4	5
76	Direct Magnetic Patterning due to the Generation of Ferromagnetism by Selective Ion Irradiation of Paramagnetic FeAl Alloys. Small, 2009, 5, 229-234.	5.2	71
77	Magnetic Proximity Effect Features in Antiferromagnetic/Ferrimagnetic Core-Shell Nanoparticles. Physical Review Letters, 2009, 102, 247201.	2.9	85
78	Structural relaxation and rejuvenation in a metallic glass induced by shot-peening. Philosophical Magazine Letters, 2009, 89, 831-840.	0.5	98
79	Controlled generation of ferromagnetic martensite from paramagnetic austenite in AISI 316L austenitic stainless steel. Journal of Materials Research, 2009, 24, 565-573.	1.2	16
80	Hydrogen desorption mechanism of 2NaBH <sub>4</sub> +MgH <sub>2</sub> composite prepared by high-energy ball milling. Scripta Materialia, 2009, 60, 1129-1132.	2.6	69
81	Yielding and intrinsic plasticity of Ti-Zr-Ni-Cu-Be bulk metallic glass. International Journal of Plasticity, 2009, 25, 1540-1559.	4.1	103
82	Unconventional elastic properties, deformation behavior and fracture characteristics of newly developed rare earth bulk metallic glasses. Intermetallics, 2009, 17, 1090-1097.	1.8	25
83	Influence of the loading rate on the indentation response of Ti-based metallic glass. Journal of Materials Research, 2009, 24, 918-925.	1.2	15
84	Work-hardening mechanisms of the Ti <sub>60</sub> Cu <sub>14</sub> Ni <sub>12</sub> Sn <sub>4</sub> Nb <sub>10</sub> nanocomposite alloy. Journal of Materials Research, 2009, 24, 3146-3153.	1.2	12
85	Mesoporous NiCo <sub>2</sub> O <sub>4</sub> Spinel: Influence of Calcination Temperature over Phase Purity and Thermal Stability. Crystal Growth and Design, 2009, 9, 4814-4821.	1.4	78
86	H <sub>2</sub> sorption performance of NaBH <sub>4</sub> -MgH <sub>2</sub> composites prepared by mechanical activation. WIT Transactions on Ecology and the Environment, 2009, , .	0.0	2
87	Cold Consolidation of Metal-Ceramic Nanocomposite Powders with Large Ceramic Fractions. Advanced Functional Materials, 2008, 18, 3293-3298.	7.8	31
88	Microstructural inhomogeneities introduced in a Zr-based bulk metallic glass upon low-temperature annealing. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2008, 491, 124-130.	2.6	50
89	Crystallization of Amorphous Al <sub>85</sub> Ce <sub>5</sub> Ni <sub>10</sub> Ribbon. Materials Science Forum, 2008, 570, 126-131.	0.3	0
90	Glass forming ability of the Al-Ce-Ni system. Journal of Non-Crystalline Solids, 2008, 354, 4874-4877.	1.5	37

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91	Patterning of magnetic structures on austenitic stainless steel by local ion beam nitriding. <i>Acta Materialia</i> , 2008, 56, 4570-4576.	3.8	17
92	Two-fold origin of the deformation-induced ferromagnetism in bulk Fe <sub>60</sub> Al <sub>40</sub> (at.%) alloys. <i>New Journal of Physics</i> , 2008, 10, 103030.	1.2	25
93	A Numerical Algorithm for Magnetohydrodynamics of Ablated Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2008, 8, 3674-3685.	0.9	11
94	Impact of magnetization easy-axis distributions on the ferromagnet-antiferromagnet exchange-coupling estimation. <i>Physical Review B</i> , 2008, 77, .	1.1	10
95	Microstructural evolution during solid-state sintering of ball-milled nanocomposite WC~10 mass% Co powders. <i>Nanotechnology</i> , 2007, 18, 185609.	1.3	8
96	Tailoring deformation-induced effects in Co powders by milling them with ~Al <sub>2</sub> O <sub>3</sub> . <i>Journal of Materials Research</i> , 2007, 22, 2998-3005.	1.2	5
97	Cold compaction of metal~ceramic (ferromagnetic~antiferromagnetic) composites using high pressure torsion. <i>Journal of Alloys and Compounds</i> , 2007, 434-435, 505-508.	2.8	40
98	Severe plastic deformation of a Ti-based nanocomposite alloy studied by nanoindentation. <i>Intermetallics</i> , 2007, 15, 1038-1045.	1.8	14
99	Reversible post-synthesis tuning of the superparamagnetic blocking temperature of ~Fe <sub>2</sub> O <sub>3</sub> nanoparticles by adsorption and desorption of Co(ii) ions. <i>Journal of Materials Chemistry</i> , 2007, 17, 322-328.	6.7	43
100	Synthesis and Size-Dependent Exchange Bias in Inverted Core~Shell MnO   Mn <sub>3</sub> O <sub>4</sub> Nanoparticles. <i>Journal of the American Chemical Society</i> , 2007, 129, 9102-9108.	6.6	261
101	Dynamic softening and indentation size effect in a Zr-based bulk glass-forming alloy. <i>Scripta Materialia</i> , 2007, 56, 605-608.	2.6	88
102	Mössbauer, X-ray diffraction and magnetization studies of Fe~Mn~Al~Nb alloys prepared by high energy ball milling. <i>Hyperfine Interactions</i> , 2007, 168, 1057-1063.	0.2	1
103	Enhanced microhardness in nanocomposite Ti <sub>60</sub> Cu <sub>14</sub> Ni <sub>12</sub> Sn <sub>4</sub> Ta <sub>10</sub> processed by high pressure torsion. <i>Intermetallics</i> , 2006, 14, 871-875.	1.8	11
104	Structural redetermination, thermal expansion and refractive indices of KLu(WO <sub>4</sub> ) <sub>2</sub> . <i>Journal of Applied Crystallography</i> , 2006, 39, 230-236.	1.9	85
105	Influence of annealing on the microstructure and hardness of Ti <sub>67.79</sub> Fe <sub>28.36</sub> Sn <sub>3.85</sub> nanocomposite rods. <i>Scripta Materialia</i> , 2006, 55, 1087-1090.	2.6	7
106	Exchange Bias in Ferromagnetic Nanoparticles Embedded in an Antiferromagnetic Matrix. <i>ChemInform</i> , 2006, 37, no.	0.1	1
107	Direct Synthesis of Isolated L10 FePt Nanoparticles in a Robust TiO <sub>2</sub> Matrix via a Combined Sol~Gel/Pyrolysis Route. <i>Advanced Materials</i> , 2006, 18, 466-470.	11.1	33
108	Periodic Arrays of Micrometer and Sub-micrometer Magnetic Structures Prepared by Nanoindentation of a Nonmagnetic Intermetallic Compound. <i>Advanced Materials</i> , 2006, 18, 1717-1720.	11.1	30

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109	Selective generation of local ferromagnetism in austenitic stainless steel using nanoindentation. Applied Physics Letters, 2006, 89, 032509.	1.5	28
110	Volume expansion contribution to the magnetism of atomically disordered intermetallic alloys. Physical Review B, 2006, 74, .	1.1	59
111	Exploiting exchange bias length scales to fully tailor double-shifted hysteresis loops. , 2006, , .		0
112	Exchange bias in nanostructures. Physics Reports, 2005, 422, 65-117.	10.3	1,722
113	Exploiting Length Scales of Exchange-Bias Systems to Fully Tailor Double-Shifted Hysteresis Loops. Advanced Materials, 2005, 17, 2978-2983.	11.1	102
114	A New Knot Technique for Vessel Ligatures. World Journal of Surgery, 2005, 29, 1356-1358.	0.8	6
115	Using exchange bias to extend the temperature range of square loop behavior in [Pt•Co] multilayers with perpendicular anisotropy. Applied Physics Letters, 2005, 87, 242504.	1.5	16
116	Exchange bias in ferromagnetic nanoparticles embedded in an antiferromagnetic matrix. International Journal of Nanotechnology, 2005, 2, 23.	0.1	77
117	Thermodynamic properties and absorption•desorption kinetics of Mg87Ni10Al3 alloy synthesised by reactive ball milling under H2 atmosphere. Journal of Alloys and Compounds, 2005, 404-406, 27-30.	2.8	20
118	Microstructural evolution during decomposition and crystallization of the Cu60Zr20Ti20 amorphous alloy. Journal of Materials Research, 2004, 19, 505-512.	1.2	36
119	Exchange bias effects in Fe nanoparticles embedded in an antiferromagnetic Cr2O3matrix. Nanotechnology, 2004, 15, S211-S214.	1.3	62
120	Cold-consolidation of ball-milled Fe-based amorphous ribbons by high pressure torsion. Scripta Materialia, 2004, 50, 1221-1225.	2.6	81
121	Influence of annealing treatments on crystallization and mechanical properties of a Al•4Ni•6Ce glass. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 965-968.	2.6	1
122	Influence of the wheel speed on the thermal behaviour of Cu60Zr20Ti20 alloys. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 776-780.	2.6	19
123	Thermal properties of Hf-based metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 381-384.	2.6	8
124	Thermal stability and crystallization behavior of Fe77C5B4(AlGa)3(PSi)11 metallic glasses. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 297-301.	2.6	7
125	Correlation between stacking fault formation, allotropic phase transformations and magnetic properties of ball-milled cobalt. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2004, 375-377, 869-873.	2.6	54
126	Ultraporous Single Phase Iron Oxide•Silica Nanostructured Aerogels from Ferrous Precursors. Langmuir, 2004, 20, 1425-1429.	1.6	31



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127	Controlled Reduction of NiO Using Reactive Ball Milling under Hydrogen Atmosphere Leading to Ni <sup>0</sup> /NiO Nanocomposites. <i>Chemistry of Materials</i> , 2004, 16, 5664-5669.	3.2	42
128	Real time synchrotron studies on amorphous Al <sub>85</sub> Ce <sub>5</sub> Ni <sub>8</sub> Co <sub>2</sub> and Al <sub>85</sub> Y <sub>5</sub> Ni <sub>8</sub> Co <sub>2</sub> alloys. <i>Journal of Alloys and Compounds</i> , 2004, 368, 164-168.	2.8	15
129	Evolution of amorphous and nanocrystalline phases in mechanically alloyed Mg <sub>1.9</sub> M <sub>0.1</sub> Ni (M=Ti,Zr,V). <i>Journal of Alloys and Compounds</i> , 2004, 381, 66-71.	2.8	17
130	Thermal characterization of Cu <sub>60</sub> Zr <sub>x</sub> Ti <sub>40-x</sub> metallic glasses (x=15, 20, 22, 25, 30). <i>Intermetallics</i> , 2004, 12, 1063-1067.	1.8	24
131	Stability and crystallization of Fe-Co-Nb-B amorphous alloys. <i>Journal of Non-Crystalline Solids</i> , 2004, 333, 320-326.	1.5	21
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