

# Jesús A Blanco

## List of Publications by Year in descending order

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202  
papers

3,818  
citations

117625

34  
h-index

189892

50  
g-index

206  
all docs

206  
docs citations

206  
times ranked

3376  
citing authors

#	ARTICLE	IF	CITATIONS
1	Entangled core/shell magnetic structure driven by surface magnetic symmetry-breaking in $\text{Cr}_2\text{O}_3$ nanoparticles. <i>Journal of Materials Chemistry C</i> , 2022, 10, 1798-1807.	5.5	5
2	Magnetic order and disorder environments in superantiferromagnetic $\text{NdCu}_2$ nanoparticles. <i>Scientific Reports</i> , 2022, 12, .	3.3	2
3	Observation of surface magnons and crystalline electric field shifts in superantiferromagnetic $\text{NdCu}_2$ nanoparticles. <i>Physical Review B</i> , 2021, 104, .	3.2	4
4	Sustainable Thermochemical Single-Step Process To Obtain Magnetic Activated Carbons from Chestnut Industrial Wastes. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 17293-17305.	6.7	20
5	Low Temperature and Surfactant-Free Hydrothermal Synthesis of CoNi Nanoparticles: Structure, Microstructure, and Magnetic Properties. <i>Journal of Superconductivity and Novel Magnetism</i> , 2019, 32, 2939-2945.	1.8	4
6	Hydrothermal synthesis, crystal structure, thermal behaviour and magnetic properties of a new ammonium-chromium-iron(III) bis(hydrogenphosphate). <i>Journal of Solid State Chemistry</i> , 2019, 269, 72-79.	2.9	0
7	Effect of Si addition on the structural, microstructural and magnetic properties of $(\text{Fe}_{70}\text{Al}_{30})_{100-x}\text{Si}_x$ nanostructured powders elaborated by mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 439, 188-195.	2.3	3
8	Structure and Magnetic Properties of Ternary Nanosized FeAlSn and CuFeCo Powders Synthesized by Mechanical Milling. <i>Journal of Nano Research</i> , 2017, 47, 79-88.	0.8	2
9	Lamellar $\text{Co}_3\text{O}_4$ nanoparticles recycled from synthetic cobalt carbonate: Core/shell morphology and magnetic properties. <i>Ceramics International</i> , 2017, 43, 10889-10894.	4.8	4
10	The role of silicon on the microstructure and magnetic behaviour of nanostructured $(\text{Fe}_{0.7}\text{Co}_{0.3})_{100-x}\text{Si}_x$ powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 149-156.	2.3	10
11	Disclosure of Double Exchange Bias Effect in Chromium (III) Oxide Nanoparticles. <i>IEEE Transactions on Magnetics</i> , 2017, 53, 1-4.	2.1	4
12	Nanocrystalline and amorphous FeAlSn alloy prepared by mechanical alloying. , 2017, , .		0
13	Size effects on the Néel temperature of antiferromagnetic NiO nanoparticles. <i>AIP Advances</i> , 2016, 6, .	1.3	44
14	Investigating the magnetic entropy change in single-phase $\text{Y}_2\text{Fe}_{17}$ melt-spun ribbons. <i>Current Applied Physics</i> , 2016, 16, 963-968.	2.4	14
15	Disentangling magnetic core/shell morphologies in Co-based nanoparticles. <i>Journal of Materials Chemistry C</i> , 2016, 4, 2302-2311.	5.5	13
16	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in $\text{Ag}/\text{Fe}_3\text{O}_4$ Nanoflowers. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 25162-25169.	8.0	107
17	Dynamically slow solid-to-solid phase transition induced by thermal treatment of $\text{DimimFeCl}_4$ magnetic ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 21881-21892.	2.8	13
18	Bridging exchange bias effect in NiO and Ni(core)@NiO(shell) nanoparticles. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 236-241.	2.3	18

#	ARTICLE	IF	CITATIONS
19	Low Temperature Magnetic Ordering of the Magnetic Ionic Plastic Crystal, Choline[FeCl <sub>4</sub> ]. Journal of Physics: Conference Series, 2015, 663, 012012.	0.4	0
20	Neutron Powder Diffraction study of the Magnetic Ionic Liquid Emim[FeCl <sub>4</sub> ] and its deuterated phase. Journal of Physics: Conference Series, 2015, 663, 012008.	0.4	2
21	Low-energy spin-wave excitations in amplitude-modulated magnetic structure of PrNi <sub>2</sub> Si <sub>2</sub> . Journal of Physics: Conference Series, 2015, 663, 012010.	0.4	0
22	On the exchange bias effect in NiO nanoparticles with a core(antiferromagnetic)/shell (spin glass) morphology. Journal of Physics: Conference Series, 2015, 663, 012001.	0.4	3
23	Magnetic phase diagram of superantiferromagnetic TbCu <sub>2</sub> nanoparticles. Journal of Physics Condensed Matter, 2015, 27, 496002.	1.8	15
24	Hydrothermal synthesis and characterization of a two-dimensional piperazinium cobaltâ€“zinc phosphate via a metastable one-dimensional phase. Journal of Solid State Chemistry, 2015, 225, 340-346.	2.9	4
25	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. Nanotechnology, 2015, 26, 305705.	2.6	43
26	Unravelling the onset of the exchange bias effect in Ni(core)@NiO(shell) nanoparticles embedded in a mesoporous carbon matrix. Journal of Materials Chemistry C, 2015, 3, 5674-5682.	5.5	26
27	Microstructure, morphology and magnetic properties of Ni nanoparticles synthesized by hydrothermal method. Materials Chemistry and Physics, 2015, 160, 435-439.	4.0	22
28	Microstructure and magnetic properties of nanostructured (Fe 0.8 Al 0.2 ) 100â€“x Si x alloy produced by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2015, 385, 151-159.	2.3	14
29	High-magnetic field characterization of magnetocaloric effect in FeZrB(Cu) amorphous ribbons. Journal of Applied Physics, 2015, 117, .	2.5	23
30	Magnetic entropy table-like shape in RNi <sub>2</sub> composites for cryogenic refrigeration. Journal of Applied Physics, 2015, 117, .	2.5	20
31	The role of amorphous precursors in the crystallization of La and Nd carbonates. Nanoscale, 2015, 7, 12166-12179.	5.6	36
32	The effect of heating on the morphology of crystalline neodymium hydroxycarbonate, NdCO <sub>3</sub> OH. Mineralogical Magazine, 2014, 78, 1391-1397.	1.4	10
33	Optimizing the Curie temperature of pseudo-binary RxR'2-xFe17(R,R' = rare earth) for magnetic refrigeration. Journal of Physics: Conference Series, 2014, 549, 012019.	0.4	1
34	The role of REE <sup>3+</sup> in the crystallization of lanthanites. Mineralogical Magazine, 2014, 78, 1373-1380.	1.4	14
35	Enhanced refrigerant capacity in two-phase nanocrystalline/amorphous NdPrFe17 melt-spun ribbons. Applied Physics Letters, 2014, 104, .	3.3	39
36	On the broadening of the magnetic entropy change due to Curie temperature distribution. Journal of Applied Physics, 2014, 115, .	2.5	29

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37	A Magnetic Ionic Liquid Based on Tetrachloroferrate Exhibits Three-Dimensional Magnetic Ordering: A Combined Experimental and Theoretical Study of the Magnetic Interaction Mechanism. Chemistry - A European Journal, 2014, 20, 72-76.	3.3	48
38	Crystal structure, microstructure and magnetic properties of Ni nanoparticles elaborated by hydrothermal route. Journal of Magnetism and Magnetic Materials, 2014, 358-359, 11-15.	2.3	18
39	Enhanced magnetic coercivity of $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> obtained from carbonated 2-line ferrihydrite. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	43
40	Location of Ni <sup>2+</sup> in nickel-intercalated vermiculites. Applied Clay Science, 2014, 91-92, 79-86.	5.2	6
41	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. Nanoscale, 2014, 6, 457-465.	5.6	90
42	Anion- $\pi$ and Halide- $\sigma$ Halide Nonbonding Interactions in a New Ionic Liquid Based on Imidazolium Cation with Three-Dimensional Magnetic Ordering in the Solid State. Inorganic Chemistry, 2014, 53, 8384-8396.	4.0	43
43	Chiral Properties of BiFeO <sub>3</sub> Inferred from Resonant X-ray Bragg Diffraction. Journal of the Physical Society of Japan, 2014, 83, 013706.	1.6	3
44	Optimisation of magnetic separation: A case study for soil washing at a heavy metals polluted site. Chemosphere, 2014, 107, 290-296.	8.2	25
45	A new chiral phase of BiFeO <sub>3</sub> evidenced from resonant x-ray Bragg diffraction. Journal of Physics: Conference Series, 2014, 519, 012012.	0.4	0
46	Chiral properties of hematite $\gamma$ -Fe <sub>2</sub> O <sub>3</sub> inferred from resonant Bragg diffraction using $\mu$ -SR. Journal of Physics: Conference Series, 2014, 519, 012013.	3.2	13
47	Exploring the magneto-volume anomalies in Dy <sub>2</sub> Fe <sub>17</sub> with unconventional rhombohedral crystal structure. Acta Materialia, 2013, 61, 7931-7937.	7.9	16
48	Searching the conditions for a table-like shape of the magnetic entropy in magneto-caloric materials. Journal of Alloys and Compounds, 2013, 568, 98-101.	5.5	39
49	The magnetocaloric effect in Er <sub>2</sub> Fe <sub>17</sub> near the magnetic phase transition. Journal of Physics Condensed Matter, 2013, 25, 496010.	1.8	11
50	Amorphous dysprosium carbonate: characterization, stability, and crystallization pathways. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	27
51	Ammonium-cobalt-nickel phosphates, NH <sub>4</sub> [Co <sub>1-x</sub> Ni <sub>x</sub> PO <sub>4</sub> ] $\cdot$ H <sub>2</sub> O. Journal of Solid State Chemistry, 2013, 206, 75-84.	2.9	15
52	Pressure Effects on Emim[FeCl <sub>4</sub> ], a Magnetic Ionic Liquid with Three-Dimensional Magnetic Ordering. Journal of Physical Chemistry B, 2013, 117, 3198-3206.	2.6	29
53	Series of 2D Heterometallic Coordination Polymers Based on Ruthenium(III) Oxalate Building Units: Synthesis, Structure, and Catalytic and Magnetic Properties. Inorganic Chemistry, 2013, 52, 3933-3941.	4.0	21
54	Magnetic entropy change and refrigerant capacity of rapidly solidified TbNi <sub>2</sub> alloy ribbons. Journal of Applied Physics, 2013, 113, .	2.5	25

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55	Size-induced superantiferromagnetism with reentrant spin-glass behavior in metallic nanoparticles of TbCu <sub>2</sub> . <i>Physical Review B</i> , 2013, 87, .	3.2	26
56	Magnetic ionic plastic crystal: choline[FeCl <sub>4</sub> ]. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12724.	2.8	23
57	Magnetic ordering in GdNi <sub>2</sub> . <i>Physical Review B</i> , 2013, 88, .	3.2	4
58	Texture-induced enhancement of the magnetocaloric response in melt-spun DyNi <sub>2</sub> ribbons. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	42
59	Phasons, amplitude modes, and spin waves in the amplitude-modulated magnetic phase of PrNi <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , 2013, 87, .	3.2	5
60	Crystalline Silica in Quartz Agglomerates: A Study of Bulk Materials and an Evaluation of the Respirable Levels in Workplace Atmospheres. , 2013, , 54-72.		1
61	Neutron powder diffraction investigation in ammonium iron(III) bis (hydrogenphosphate). <i>Journal of Physics: Conference Series</i> , 2012, 340, 012059.	0.4	2
62	Hydrothermal synthesis and physicochemical properties of ruthenium(0) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 536, S437-S440.	5.5	10
63	From dihydrated iron(III) phosphate to monohydrated ammonium-iron(II) phosphate: Solvothermal reaction mediated by acetone-urea mixtures. <i>Journal of Solid State Chemistry</i> , 2012, 196, 458-464.	2.9	7
64	Phase stability and magnetic properties of a new cobalt(II) coordination polymer based on 2-carboxyethylphosphonate and 1,10-phenanthroline. <i>Journal of Alloys and Compounds</i> , 2012, 536, S507-S510.	5.5	4
65	Different morphology of organic-inorganic hybrid nanomaterials based on titanium phosphate. <i>Journal of Alloys and Compounds</i> , 2012, 536, S491-S494.	5.5	2
66	Synthesis and characterization of a chromium-piperazinium phosphate with unusual high thermal stability. <i>Journal of Alloys and Compounds</i> , 2012, 536, S485-S487.	5.5	4
67	Lanthanide phosphonates: Synthesis, thermal stability and magnetic characterization. <i>Journal of Alloys and Compounds</i> , 2012, 536, S499-S503.	5.5	15
68	Magnetovolume and magnetocaloric effects in Er <sub>2</sub> Fe <sub>17</sub> . <i>Physical Review B</i> , 2012, 86, .	3.2	49
69	Spin-glass freezing in a Ni-vermiculite intercalation compound. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 346001.	1.8	10
70	Dynamical matrix diagonalization for the calculation of dispersive excitations. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 213201.	1.8	28
71	Co nanoparticles inserted into a porous carbon amorphous matrix: the role of cooling field and temperature on the exchange bias effect. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 927-932.	2.8	24
72	Enhanced Protection of Carbon-Encapsulated Magnetic Nickel Nanoparticles through a Sucrose-Based Synthetic Strategy. <i>Journal of Physical Chemistry C</i> , 2011, 115, 5294-5300.	3.1	34

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73	<p> <math display="block">\frac{1}{\sqrt{2}}(\hat{m}_x \pm i\hat{m}_y)</math> </p> <p> <math display="block">\frac{1}{\sqrt{2}}(\hat{m}_x \pm i\hat{m}_y)</math> </p> <p> <math display="block">\frac{1}{\sqrt{2}}(\hat{m}_x \pm i\hat{m}_y)</math> </p>	3.2	15
74	Investigating the martensite-austenite transformation on mechanically alloyed FeNi solid solutions. Journal of Physics: Conference Series, 2011, 325, 012019.	0.4	0
75	Influence of magnetic fluctuations in the magnetocaloric effect on rare-earth intermetallic compounds. Physical Review B, 2011, 84, .	3.2	19
76	Spin-glass-like behaviour in ball milled Fe <sub>30</sub> Cr <sub>70</sub> alloy studied by ac magnetic susceptibility. Journal of Alloys and Compounds, 2011, 509, S397-S399.	5.5	11
77	Onion-like nanoparticles with $\hat{I}_{\pm}$ -Fe core surrounded by a $\hat{I}_{\pm}$ -Fe/Fe-oxide double shell. Journal of Alloys and Compounds, 2011, 509, S320-S322.	5.5	9
78	Magnetic properties and magneto-caloric effect in pseudo-binary intermetallic (Ce,R) <sub>2</sub> Fe <sub>17</sub> compounds (R=ÅY, Pr and Dy). Intermetallics, 2011, 19, 982-987.	3.9	29
79	Magnetic excitations in the longitudinally amplitude modulated magnetic structure of PrNi <sub>2</sub> Si <sub>2</sub> . Journal of Physics: Conference Series, 2011, 325, 012008.	0.4	4
80	Magnetic structure and magneto-volume anomalies in Er <sub>2</sub> Fe <sub>17</sub> compound. Journal of Physics: Conference Series, 2011, 325, 012011.	0.4	5
81	Calculation of Atomic Charge- Moment- and Current densities using McPhase, a versatile modelling suite for Magnetic Neutron Scattering. Journal of Physics: Conference Series, 2011, 325, 012005.	0.4	1
82	Synthesis, crystal structure and magnetic characterization of metal(II) coordination polymers based on 2-carboxyethylphosphonic acid and 1,10-phenanthroline (metal=Cu, Co, Cd). Journal of Solid State Chemistry, 2011, 184, 3289-3298.	2.9	11
83	Magneto-caloric effect in the pseudo-binary intermetallic YPrFe <sub>17</sub> compound. Materials Chemistry and Physics, 2011, 131, 18-22.	4.0	9
84	Chemical and physical characterization of iron-intercalated vermiculite compounds. Physics and Chemistry of Minerals, 2011, 38, 569-580.	0.8	15
85	Antiferromagnetic ordering in magnetic ionic liquid Emim[FeCl <sub>4</sub> ]. Journal of Magnetism and Magnetic Materials, 2011, 323, 1254-1257.	2.3	43
86	Enhanced refrigerant capacity and magnetic entropy flattening using a two-amorphous FeZrB(Cu) composite. Applied Physics Letters, 2011, 99, .	3.3	86
87	Powder neutron diffraction investigation of the crystal and magnetic structures of NH <sub>4</sub> Fe(HPO <sub>4</sub> ) <sub>2</sub> and its deuterated form. Journal of Physics: Conference Series, 2011, 325, 012014.	0.4	4
88	Control of crystalline phases in magnetic Fe nanoparticles inserted inside a matrix of porous carbon. Journal of Magnetism and Magnetic Materials, 2010, 322, 1300-1303.	2.3	10
89	Decoupled structural and non-collinear magnetic phase transitions in Fe(ND <sub>3</sub> ) <sub>2</sub> PO <sub>4</sub> . Acta Materialia, 2010, 58, 1741-1749.	7.9	10
90	Experimental evidence of anapolar moments in the antiferromagnetic insulating phase of $V_{Mn_2}$ from x-ray resonant Bragg diffraction. Physical Review B, 2010, 81, .	3.2	35

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91	Long-range magnetic ordering in magnetic ionic liquid: Emim[FeCl <sub>4</sub> ]. Journal of Physics Condensed Matter, 2010, 22, 296006.	1.8	43
92	Antiferro-quadrupolar structures in UPd <sub>3</sub> inferred from x-ray resonant Bragg diffraction. Journal of Physics Condensed Matter, 2010, 22, 022202.	1.8	3
93	Semi-ordered crystalline structure of the Santa Olalla vermiculite inferred from X-ray powder diffraction. American Mineralogist, 2010, 95, 126-134.	1.9	44
94	On the crystal structure and thermal decomposition of ammonium-iron(III) bis(hydrogenphosphate). Dalton Transactions, 2010, 39, 1791.	3.3	17
95	Magnetic field and temperature dependence of the amplitude-modulated magnetic structure of $\text{PrNi}_2\text{Mn}_3$ . Microstructure and magnetism of nanoparticles with $\text{PrNi}_2\text{Mn}_3$ .	3.2	13
96	Microstructure and magnetism of nanoparticles with $\text{PrNi}_2\text{Mn}_3$ . Core-surrounded by $\text{Fe}$ and iron oxide shells. Physical Review B, 2010, 81, .	3.2	34
97	The role of boron on the magneto-caloric effect of FeZrB metallic glasses. Intermetallics, 2010, 18, 2464-2467.	3.9	31
98	Neutron powder thermo-diffraction in mechanically alloyed Fe <sub>64</sub> Ni <sub>36</sub> invar alloy. Journal of Alloys and Compounds, 2010, 495, 495-498.	5.5	14
99	Magneto-caloric effect in FeZrB amorphous alloys near room temperature. Journal of Alloys and Compounds, 2010, 504, S150-S154.	5.5	35
100	Nanocrystalline Nd <sub>2</sub> Fe <sub>17</sub> synthesized by high-energy ball milling: crystal structure, microstructure and magnetic properties. Journal of Physics Condensed Matter, 2010, 22, 216005.	1.8	46
101	Nanocrystalline Pr <sub>2</sub> Fe <sub>17</sub> studied by neutron powder diffraction. Journal of Physics: Conference Series, 2010, 251, 012012.	0.4	0
102	Double magnetic phase transition in ND <sub>4</sub> Fe(DPO <sub>4</sub> ) <sub>2</sub> and NH <sub>4</sub> Fe(HPO <sub>4</sub> ) <sub>2</sub> . Physical Review B, 2010, 82, .	3.2	9
103	Comment on $\text{DFT}^+$ for the energy minimum among eight collinear and noncollinear magnetic structures of $\text{Gd}_4$ .	3.2	1
104	Stress-induced large Curie temperature enhancement in $\text{Fe}_{64}\text{Ti}_{36}$ alloy. Physical Review B, 2009, 80, .	3.2	65
105	An old material in the nanoworld: organic-inorganic hybrid nanotubes based on $\text{Ti}^{3+}$ -titanium phosphate layered crystal structure. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 2190-2194.	0.8	4
106	Crystal structure, magnetocaloric effect and magnetovolume anomalies in nanostructured Pr <sub>2</sub> Fe <sub>17</sub> . Acta Materialia, 2009, 57, 1724-1733.	7.9	70
107	Nickel nanoparticles deposited into an activated porous carbon: synthesis, microstructure and magnetic properties. Physica Status Solidi - Rapid Research Letters, 2009, 3, 4-6.	2.4	21
108	Crystallization of Fe <sub>75</sub> Zr <sub>25</sub> metallic glass: a two-step process involving metastable bcc-Fe and polymorphic transformation. Physica Status Solidi - Rapid Research Letters, 2009, 3, 28-30.	2.4	19

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109	Stress-induced Curie temperature increase in the Fe <sub>64</sub> Ni <sub>36</sub> invar alloy. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 115-117.	2.4	16
110	The effect of ball milling in the microstructure and magnetic properties of Pr <sub>2</sub> Fe <sub>17</sub> compound. <i>Journal of Alloys and Compounds</i> , 2009, 483, 682-685.	5.5	12
111	Temperature induced phase transformations and microstructural changes in nanostructured FeCu solid solutions using in situ neutron powder thermo-diffraction. <i>Journal of Alloys and Compounds</i> , 2009, 483, 549-552.	5.5	2
112	Structure and microstructure of Mg-vermiculite. <i>Zeitschrift für Kristallographie, Supplement</i> , 2009, 2009, 429-434.	0.5	11
113	Relative cooling power enhancement in magneto-caloric nanostructured Pr <sub>2</sub> Fe <sub>17</sub> . <i>Journal Physics D: Applied Physics</i> , 2008, 41, 192003.	2.8	116
114	Structural and magnetic study of mechanically alloyed Fe <sub>30</sub> Cr <sub>70</sub> by neutron thermo-diffractometry and magnetization measurements. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5156-5158.	3.1	5
115	Exchange-bias and superparamagnetic behaviour of Fe nanoparticles embedded in a porous carbon matrix. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5219-5221.	3.1	13
116	Microstructural and magnetic characterization of Nd <sub>2</sub> Fe <sub>17</sub> ball milled alloys. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 5172-5174.	3.1	16
117	Structural and magnetic phases of Fe(ND <sub>3</sub> ) <sub>2</sub> PO <sub>4</sub> . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104227.	1.8	8
118	Heat capacity of RFe <sub>x</sub> Mn <sub>12-x</sub> (R = Gd, Tb and Dy) compounds: wiping out a cooperative 4f-4f exchange interaction by breaking the 3d-4f magnetic symmetry. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 345203.	1.8	3
119	Analysis of the diffraction-line broadening on nanostructured Fe: size-strain effects induced by milling and heating. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 335213.	1.8	44
120	Polarization analysis in resonant x-ray Bragg diffraction by $K_{20}$ the Cr K-edge. <i>Physical Review B</i> , 2008, 77, .	3.2	20
121	Vanadium magnetoelectric multipoles in V <sub>2</sub> O <sub>3</sub> . <i>Physical Review B</i> , 2007, 75, .	3.2	26
122	Influence of 3d-4f interactions in the magnetic phases of RFe <sub>x</sub> Mn <sub>12-x</sub> (R=Gd, Tb, and Dy) compounds: Coexistence of ferromagnetism and antiferromagnetism at different crystallographic sites. <i>Physical Review B</i> , 2007, 75, .	3.2	13
123	Ce multipoles in phase IV of Ce <sub>0.7</sub> La <sub>0.3</sub> B <sub>6</sub> inferred from resonant x-ray Bragg diffraction. <i>Physical Review B</i> , 2007, 75, .	3.2	13
124	Low temperature neutron diffraction and magnetization of Fe <sub>25</sub> Cu <sub>75</sub> solid solutions. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 859-861.	3.1	5
125	Synthesis, Structure and Magnetic Characterization of Two Phosphate Compounds Related with the Mineral Struvite: KNiPO <sub>4</sub> ·4H <sub>2</sub> O and NaNiPO <sub>4</sub> ·7H <sub>2</sub> O. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2007, 633, 1932-1936.	1.2	5
126	Martensite-austenite transformation in Fe <sub>80</sub> Ni <sub>20</sub> ball-milled powder. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 316, 328-331.	2.3	18

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127	Magnetic structure of Gd <sub>2</sub> B <sub>4</sub> from spherical neutron polarimetry. <i>Physical Review B</i> , 2006, 73, .	3.2	42
128	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon. <i>Carbon</i> , 2006, 44, 1954-1957.	10.3	57
129	Magnetism and structure of Fe <sup>2+</sup> -Cu binary solid solutions obtained by high-energy ball milling. <i>Physica B: Condensed Matter</i> , 2006, 384, 336-340.	2.7	11
130	Magneto-volume effects in Fe <sup>2+</sup> -Cu solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, 229-233.	2.3	19
131	Nanostructured Fe obtained by high-energy ball milling. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, e339-e341.	2.3	14
132	Structure and magnetism of Fe-rich nanostructured Fe <sup>2+</sup> -Ni metastable solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 294, 159-164.	2.3	30
133	Synthesis and Characterization of $\pm$ -Titanium Phosphate/Propylamine Intercalation Compounds Containing Transition-Metal Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2174-2180.	1.2	9
134	Temperature Dependence of the Molar Heat Capacity for Ferromagnets Within the Mean Field Theory. <i>Physica Scripta</i> , 2005, 71, CC19-CC22.	2.5	6
135	Interplay between competing exchange interactions and magnetocrystalline anisotropies in YFe <sub>2</sub> Mn <sub>12</sub> x: The magnetic phase diagram. <i>Physical Review B</i> , 2005, 71, .	3.2	11
136	High-temperature induced ferromagnetism on $\gamma$ -Fe precipitates in FeCu solid solutions. <i>Physical Review B</i> , 2005, 72, .	3.2	49
137	High-temperature anti-Invar behavior of $\gamma$ -Fe precipitates in Fe <sub>90</sub> Cu <sub>10</sub> x solid solutions: Ferromagnetic phases. <i>Physical Review B</i> , 2005, 72, .	3.2	11
138	Experimental evidence of noncollinear magnetism in gadolinium tetraboride. <i>Physical Review B</i> , 2005, 72, .	3.2	25
139	Complex magnetic ordering in NdNi <sub>1-x</sub> Cu <sub>x</sub> : Determination of the magnetic structure by neutron diffraction. <i>Physical Review B</i> , 2004, 70, .	3.2	5
140	Neutron powder thermo-diffraction: a very useful tool for the study of crystallisation kinetics and phase segregation in metastable materials. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 1965-1970.	0.8	1
141	Temperature-induced structural changes in Fe <sub>50</sub> Cu <sub>50</sub> powders studied by means of in situ neutron thermo-diffraction. <i>Physica B: Condensed Matter</i> , 2004, 350, E1079-E1082.	2.7	2
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