

# 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	Specific heat in some gadolinium compounds. II. Theoretical model. Physical Review B, 1991, 43, 13145-13151.	3.2	181
2	Relative cooling power enhancement in magneto-caloric nanostructured $\text{Pr}_{2-x}\text{Fe}_{17}$ . Journal Physics D: Applied Physics, 2008, 41, 192003.	2.8	116
3	Boosted Hyperthermia Therapy by Combined AC Magnetic and Photothermal Exposures in $\text{Ag}/\text{Fe}_3\text{O}_4$ Nanoflowers. ACS Applied Materials & Interfaces, 2016, 8, 25162-25169.	8.0	107
4	Interplay between microstructure and magnetism in NiO nanoparticles: breakdown of the antiferromagnetic order. Nanoscale, 2014, 6, 457-465.	5.6	90
5	Specific heat of $\text{CeNi}_x\text{Pt}_{1-x}$ pseudobinary compounds and related dilute alloys. Physical Review B, 1994, 49, 15126-15132.	3.2	87
6	Enhanced refrigerant capacity and magnetic entropy flattening using a two-amorphous FeZrB(Cu) composite. Applied Physics Letters, 2011, 99, .	3.3	86
7	Phase diagram of the $\text{CeNi}_{1-x}\text{Cu}_x$ Kondo system with spin-glass-like behavior favored by hybridization. Physical Review B, 2000, 61, 6821-6825.	3.2	74
8	Crystal structure, magnetocaloric effect and magnetovolume anomalies in nanostructured $\text{Pr}_2\text{Fe}_{17}$ . Acta Materialia, 2009, 57, 1724-1733.	7.9	70
9	Invar effect in fcc-FeCu solid solutions. Physical Review B, 2004, 69, .	3.2	65
10	Stress-induced large Curie temperature enhancement in $\text{Fe}_{1-x}\text{Ni}_x$ alloy. Physical Review B, 2009, 80, .	3.2	65
11	Synthesis of magnetically separable adsorbents through the incorporation of protected nickel nanoparticles in an activated carbon. Carbon, 2006, 44, 1954-1957.	10.3	57
12	High-temperature induced ferromagnetism in $\text{Fe}$ precipitates in FeCu solid solutions. Physical Review B, 2005, 72, .	3.2	49
13	Magnetovolume and magnetocaloric effects in $\text{Er}_{1-x}\text{Fe}_x$ alloys. Physical Review B, 2012, 86, .	3.2	49
14	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
15	Study of the dehydration process of vermiculites by applying a vacuum pressure: formation of interstratified phases. Mineralogical Magazine, 2003, 67, 1253-1268.	1.4	47
16	Metamagnetism and thermodynamical properties in modulated systems: modelisation and application to $\text{PrNi}_2\text{Si}_2$ . Journal of Magnetism and Magnetic Materials, 1992, 116, 128-142.	2.3	46
17	Nanocrystalline $\text{Nd}_2\text{Fe}_{17}$ synthesized by high-energy ball milling: crystal structure, microstructure and magnetic properties. Journal of Physics Condensed Matter, 2010, 22, 216005.	1.8	46
18	Analysis of the diffraction-line broadening on nanostructured Fe: size-strain effects induced by milling and heating. Journal of Physics Condensed Matter, 2008, 20, 335213.	1.8	44

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19	Semi-ordered crystalline structure of the Santa Olalla vermiculite inferred from X-ray powder diffraction. <i>American Mineralogist</i> , 2010, 95, 126-134.	1.9	44
20	Size effects on the Néel temperature of antiferromagnetic NiO nanoparticles. <i>AIP Advances</i> , 2016, 6, .	1.3	44
21	Field induced magnetic structures in TbNi <sub>2</sub> Si <sub>2</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 1991, 97, 4-14.	2.3	43
22	Long-range magnetic ordering in magnetic ionic liquid: Emim[FeCl <sub>4</sub> ]. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 296006.	1.8	43
23	Antiferromagnetic ordering in magnetic ionic liquid Emim[FeCl <sub>4</sub> ]. <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1254-1257.	2.3	43
24	Enhanced magnetic coercivity of $\pm$ -Fe <sub>2</sub> O <sub>3</sub> obtained from carbonated 2-line ferrihydrite. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	1.9	43
25	Anion $\pi$ - $\pi$ and Halide $\pi$ -Halide Nonbonding Interactions in a New Ionic Liquid Based on Imidazolium Cation with Three-Dimensional Magnetic Ordering in the Solid State. <i>Inorganic Chemistry</i> , 2014, 53, 8384-8396.	4.0	43
26	Scrutinizing the role of size reduction on the exchange bias and dynamic magnetic behavior in NiO nanoparticles. <i>Nanotechnology</i> , 2015, 26, 305705.	2.6	43
27	Magnetic structure of GdCu through the martensitic structural transformation: A neutron-diffraction study. <i>Physical Review B</i> , 1999, 59, 512-518.	3.2	42
28	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
29	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
30	Searching the conditions for a table-like shape of the magnetic entropy in magneto-caloric materials. <i>Journal of Alloys and Compounds</i> , 2013, 568, 98-101.	5.5	39
31	Enhanced refrigerant capacity in two-phase nanocrystalline/amorphous NdPrFe <sub>17</sub> melt-spun ribbons. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	39
32	The role of amorphous precursors in the crystallization of La and Nd carbonates. <i>Nanoscale</i> , 2015, 7, 12166-12179.	5.6	36
33	Magnetic and electrical properties of GdNi <sub>1-x</sub> Cu <sub>x</sub> compounds. <i>Journal of Physics Condensed Matter</i> , 1992, 4, 8233-8244.	1.8	35
34	Specific heat and metamagnetic process in a modulated compound: PrNi <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , 1992, 45, 2529-2532.	3.2	35
35	Spin-glass freezing above the ordering temperature for the Kondo ferromagnet CeNi <sub>0.4</sub> Cu <sub>0.6</sub> . <i>Physical Review B</i> , 1997, 56, 11741-11748.	3.2	35
36	Experimental evidence of anapolar moments in the antiferromagnetic insulating phase of $\langle \mathbf{m} \rangle$ from x-ray resonant Bragg diffraction. <i>Physical Review B</i> , 2010, 81, .	3.2	35

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37	Magneto-caloric effect in FeZrB amorphous alloys near room temperature. Journal of Alloys and Compounds, 2010, 504, S150-S154.	5.5	35
38	Microstructure and magnetism of nanoparticles with $\text{Fe}^3+$ core surrounded by iron oxide shells. Physical Review B, 2010, 81, .	3.2	34
39	Enhanced Protection of Carbon-Encapsulated Magnetic Nickel Nanoparticles through a Sucrose-Based Synthetic Strategy. Journal of Physical Chemistry C, 2011, 115, 5294-5300.	3.1	34
40	The role of boron on the magneto-caloric effect of FeZrB metallic glasses. Intermetallics, 2010, 18, 2464-2467.	3.9	31
41	Structure and magnetism of Fe-rich nanostructured Fe-Ni metastable solid solutions. Journal of Magnetism and Magnetic Materials, 2005, 294, 159-164.	2.3	30
42	Magnetic properties and magneto-caloric effect in pseudo-binary intermetallic (Ce,R)2Fe17 compounds (R=Al, Pr and Dy). Intermetallics, 2011, 19, 982-987.	3.9	29
43	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
44	On the broadening of the magnetic entropy change due to Curie temperature distribution. Journal of Applied Physics, 2014, 115, .	2.5	29
45	Dynamical matrix diagonalization for the calculation of dispersive excitations. Journal of Physics Condensed Matter, 2012, 24, 213201.	1.8	28
46	Amorphous dysprosium carbonate: characterization, stability, and crystallization pathways. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	27
47	Vanadium magnetoelectric multipoles in V <sub>2</sub> O <sub>3</sub> . Physical Review B, 2007, 75, .	3.2	26
48	Size-induced superantiferromagnetism with reentrant spin-glass behavior in metallic nanoparticles of TbCu <sub>2</sub> . Physical Review B, 2013, 87, .	3.2	26
49	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
50	Experimental evidence of noncollinear magnetism in gadolinium tetraboride. Physical Review B, 2005, 72, .	3.2	25
51	Magnetic entropy change and refrigerant capacity of rapidly solidified TbNi <sub>2</sub> alloy ribbons. Journal of Applied Physics, 2013, 113, .	2.5	25
52	Optimisation of magnetic separation: A case study for soil washing at a heavy metals polluted site. Chemosphere, 2014, 107, 290-296.	8.2	25
53	Co nanoparticles inserted into a porous carbon amorphous matrix: the role of cooling field and temperature on the exchange bias effect. Physical Chemistry Chemical Physics, 2011, 13, 927-932.	2.8	24
54	Crystal field and magnetic properties of the tetragonal TbNi <sub>2</sub> Si <sub>2</sub> compound. European Physical Journal B, 1992, 89, 343-350.	1.5	23

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55	Neutron scattering on the strongly correlated electron CeNi Cu system: from non-magnetic behaviour to long-range magnetic order. <i>European Physical Journal B</i> , 2000, 18, 625-632.	1.5	23
56	Magnetic ionic plastic crystal: choline[FeCl <sub>4</sub> ]. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 12724.	2.8	23
57	High-magnetic field characterization of magnetocaloric effect in FeZrB(Cu) amorphous ribbons. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	23
58	Resistivity anomalies in ferromagnetic RNi <sub>5</sub> (R=Tb, Dy or Er) compounds. <i>Journal of Physics Condensed Matter</i> , 1994, 6, 4335-4342.	1.8	22
59	Microstructure, morphology and magnetic properties of Ni nanoparticles synthesized by hydrothermal method. <i>Materials Chemistry and Physics</i> , 2015, 160, 435-439.	4.0	22
60	Commensurate and incommensurate magnetic phases in tetragonal PrNi <sub>2</sub> Si <sub>2</sub> and TbNi <sub>2</sub> Si <sub>2</sub> . <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 104-107, 1273-1274.	2.3	21
61	Nickel nanoparticles deposited into an activated porous carbon: synthesis, microstructure and magnetic properties. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 4-6.	2.4	21
62	Series of 2D Heterometallic Coordination Polymers Based on Ruthenium(III) Oxalate Building Units: Synthesis, Structure, and Catalytic and Magnetic Properties. <i>Inorganic Chemistry</i> , 2013, 52, 3933-3941.	4.0	21
63	Thermodynamical Properties of Incommensurate Magnetic Systems. <i>Europhysics Letters</i> , 1991, 15, 671-676.	2.0	20
64	Phase transitions, noncollinear magnetism, and magnetoelectric symmetry in gadolinium tetraboride. <i>Physical Review B</i> , 2004, 70, .	3.2	20
65	Polarization analysis in resonant x-ray Bragg diffraction by $K_{22}$ the Cr K-edge. <i>Physical Review B</i> , 2008, 77, .	3.2	20
66	Magnetic entropy table-like shape in RNi <sub>2</sub> composites for cryogenic refrigeration. <i>Journal of Applied Physics</i> , 2015, 117, .	2.5	20
67	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
68	Magneto-volume effects in Fe-Cu solid solutions. <i>Journal of Magnetism and Magnetic Materials</i> , 2006, 300, 229-233.	2.3	19
69	Crystallization of Fe <sub>75</sub> Zr <sub>25</sub> metallic glass: a two-step process involving metastable bcc-Fe and polymorphic transformation. <i>Physica Status Solidi - Rapid Research Letters</i> , 2009, 3, 28-30.	2.4	19
70	Influence of magnetic fluctuations in the magnetocaloric effect on rare-earth intermetallic compounds. <i>Physical Review B</i> , 2011, 84, .	3.2	19
71	Specific heat of GdNi <sub>1-x</sub> Cu <sub>x</sub> compounds. <i>Solid State Communications</i> , 1994, 89, 389-392.	1.9	18
72	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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73	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
74	Bridging exchange bias effect in NiO and Ni(core)@NiO(shell) nanoparticles. Journal of Magnetism and Magnetic Materials, 2016, 400, 236-241.	2.3	18
75	Magnetic contribution to the electrical resistivity in R <sub>Ga2</sub> compounds (R=rare earth). Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1285-1286.	2.3	17
76	On the crystal structure and thermal decomposition of ammonium-iron(III) bis(hydrogenphosphate). Dalton Transactions, 2010, 39, 1791.	3.3	17
77	The Hubbard model for the hydrogen molecule. European Journal of Physics, 2002, 23, 11-16.	0.6	16
78	Microstructural and magnetic characterization of Nd <sub>2</sub> Fe <sub>17</sub> ball milled alloys. Journal of Non-Crystalline Solids, 2008, 354, 5172-5174.	3.1	16
79	Stress-induced Curie temperature increase in the Fe <sub>64</sub> Ni <sub>36</sub> invar alloy. Physica Status Solidi - Rapid Research Letters, 2009, 3, 115-117.	2.4	16
80	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
81	Early odd multipole, magnetic charges, and chirality in hematite $\text{Fe}^{2+}$	3.2	15
82	Chemical and physical characterization of iron-intercalated vermiculite compounds. Physics and Chemistry of Minerals, 2011, 38, 569-580.	0.8	15
83	Lanthanide phosphonates: Synthesis, thermal stability and magnetic characterization. Journal of Alloys and Compounds, 2012, 536, S499-S503.	5.5	15
84	Ammonium-cobalt-nickel phosphates, NH <sub>4</sub> [Co <sub>1-x</sub> Ni <sub>x</sub> PO <sub>4</sub> ]·H <sub>2</sub> O. Journal of Solid State Chemistry, 2013, 206, 75-84.	2.9	15
85	Magnetic phase diagram of superantiferromagnetic TbCu <sub>2</sub> nanoparticles. Journal of Physics Condensed Matter, 2015, 27, 496002.	1.8	15
86	Paramagnetic excitations in singlet ground state PrNi <sub>2</sub> Si <sub>2</sub> . Physical Review B, 1997, 56, 11666-11672.	3.2	14
87	Nanostructured Fe obtained by high-energy ball milling. Journal of Magnetism and Magnetic Materials, 2006, 300, e339-e341.	2.3	14
88	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
89	The role of REE <sup>3+</sup> in the crystallization of lanthanites. Mineralogical Magazine, 2014, 78, 1373-1380.	1.4	14
90	Microstructure and magnetic properties of nanostructured (Fe <sub>0.8</sub> Al <sub>0.2</sub> ) <sub>100-x</sub> Si <sub>x</sub> alloy produced by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2015, 385, 151-159.	2.3	14

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91	Investigating the magnetic entropy change in single-phase Y <sub>2</sub> Fe <sub>17</sub> melt-spun ribbons. Current Applied Physics, 2016, 16, 963-968.	2.4	14
92	Influence of 3d <sup>4</sup> f 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. Physical Review B, 2007, 75, .	3.2	13
93	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. Physical Review B, 2007, 75, .	3.2	13
94	Exchange-bias and superparamagnetic behaviour of Fe nanoparticles embedded in a porous carbon matrix. Journal of Non-Crystalline Solids, 2008, 354, 5219-5221.	3.1	13
95	Magnetic field and temperature dependence of the amplitude-modulated magnetic structure of hematite. Physical Review B, 2010, 82, .	3.2	13
96	Chiral properties of hematite. Physical Review B, 2010, 82, .	3.2	13
97	Disentangling magnetic core/shell morphologies in Co-based nanoparticles. Journal of Materials Chemistry C, 2016, 4, 2302-2311.	5.5	13
98	Dynamically slow solid-to-solid phase transition induced by thermal treatment of FeCl <sub>2</sub> magnetic ionic liquid. Physical Chemistry Chemical Physics, 2016, 18, 21881-21892.	2.8	13
99	Determination of the crystalline electric field in the tetragonal symmetry rare earth intermetallic HoAg <sub>2</sub> . Journal of Magnetism and Magnetic Materials, 1993, 119, 59-68.	2.3	12
100	The effect of ball milling in the microstructure and magnetic properties of Pr <sub>2</sub> Fe <sub>17</sub> compound. Journal of Alloys and Compounds, 2009, 483, 682-685.	5.5	12
101	Evolution from Kondo ferromagnet to intermediate valence in the Ce <sub>x</sub> Y <sub>1-x</sub> Ni <sub>0.8</sub> Pt <sub>0.2</sub> system. Journal of Physics Condensed Matter, 1990, 2, 677-686.	1.8	11
102	Evidence of quadrupolar scattering in the anisotropic electrical magnetoresistivity of PrNi <sub>5</sub> . Physical Review B, 1991, 44, 9325-9330.	3.2	11
103	Effects of spin-dependent spectral weight on magnetic circular x-ray dichroism: Applications to R(Ni <sub>x</sub> Co <sub>1-x</sub> ) <sub>5</sub> intermetallic compounds. Physical Review B, 1995, 51, 15957-15963.	3.2	11
104	Transport and magnetic properties of R <sub>x</sub> R <sub>2</sub> Fe <sub>17-x</sub> Ni <sub>5</sub> (R, R <sub>2</sub> = Ce, Pr AND Nd): The effect of competition between rare earth magnetism. Solid State Communications, 1997, 103, 179-183.	1.9	11
105	Interplay between competing exchange interactions and magnetocrystalline anisotropies in YFe <sub>x</sub> Mn <sub>12-x</sub> : The magnetic phase diagram. Physical Review B, 2005, 71, .	3.2	11
106	High-temperature anti-Invar behavior of Fe <sup>3+</sup> -Fe precipitates in Fe <sub>x</sub> Cu <sub>100-x</sub> solid solutions: Ferromagnetic phases. Physical Review B, 2005, 72, .	3.2	11
107	Magnetism and structure of Fe-Cu binary solid solutions obtained by high-energy ball milling. Physical Review B: Condensed Matter, 2006, 384, 336-340.	2.7	11
108	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



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109	Synthesis, crystal structure and magnetic characterization of metal(II) coordination polymers based on 2-carboxyethylphosphonic acid and 1,10-phenanthroline (metal=Cu, Co, Cd). <i>Journal of Solid State Chemistry</i> , 2011, 184, 3289-3298.	2.9	11
110	The magnetocaloric effect in $\text{Er}_2\text{Fe}_{17}$ near the magnetic phase transition. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 496010.	1.8	11
111	Structure and microstructure of Mg-vermiculite. <i>Zeitschrift für Kristallographie, Supplement</i> , 2009, 2009, 429-434.	0.5	11
112	Magnetic excitations in modulated $\text{PrNi}_2\text{Si}_2$ . <i>Physica B: Condensed Matter</i> , 1995, 213-214, 327-329.	2.7	10
113	Control of crystalline phases in magnetic Fe nanoparticles inserted inside a matrix of porous carbon. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 1300-1303.	2.3	10
114	Decoupled structural and non-collinear magnetic phase transitions in $\text{Fe}(\text{ND}_3)_2\text{PO}_4$ . <i>Acta Materialia</i> , 2010, 58, 1741-1749.	7.9	10
115	Hydrothermal synthesis and physicochemical properties of ruthenium(0) nanoparticles. <i>Journal of Alloys and Compounds</i> , 2012, 536, S437-S440.	5.5	10
116	Spin-glass freezing in a $\text{Ni}$ -vermiculite intercalation compound. <i>Journal of Physics Condensed Matter</i> , 2012, 24, 346001.	1.8	10
117	The effect of heating on the morphology of crystalline neodymium hydroxycarbonate, $\text{NdCO}_3\text{OH}$ . <i>Mineralogical Magazine</i> , 2014, 78, 1391-1397.	1.4	10
118	The role of silicon on the microstructure and magnetic behaviour of nanostructured $(\text{Fe}_{0.7}\text{Co}_{0.3})_{100}\text{Si}$ powders. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 422, 149-156.	2.3	10
119	Magnetic properties of $\text{SmGa}_2$ . <i>Physica B: Condensed Matter</i> , 1991, 175, 349-353.	2.7	9
120	Magnetic properties and magnetic structures of $\text{Ho}_{1-x}\text{Y}_x\text{Ni}$ compounds. <i>Journal of Physics Condensed Matter</i> , 1995, 7, 2843-2853.	1.8	9
121	Synthesis and Characterization of $\text{Ti}$ -Titanium Phosphate/Propylamine Intercalation Compounds Containing Transition-Metal Ions. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 2174-2180.	1.2	9
122	Double magnetic phase transition in $\text{Nd}_4\text{Fe}(\text{DPO}_4)_2$ and $\text{NH}_4\text{Fe}(\text{HPO}_4)_2$ . <i>Physical Review B</i> , 2010, 82, .	3.2	9
123	Onion-like nanoparticles with $\text{Fe}^3$ -Fe core surrounded by a $\text{Fe}^3$ -Fe/Fe-oxide double shell. <i>Journal of Alloys and Compounds</i> , 2011, 509, S320-S322.	5.5	9
124	Magneto-caloric effect in the pseudo-binary intermetallic $\text{YPrFe}_{17}$ compound. <i>Materials Chemistry and Physics</i> , 2011, 131, 18-22.	4.0	9
125	Crystallographic study and magnetic structures of $\text{CeNi}_x\text{Pt}_{1-x}$ and diluted related compounds. <i>Solid State Communications</i> , 1993, 87, 863-868.	1.9	8
126	Structural and magnetic phases of $\text{Fe}(\text{ND}_3)_2\text{PO}_4$ . <i>Journal of Physics Condensed Matter</i> , 2008, 20, 104227.	1.8	8



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127	Magnetic structures of the orthorhombic GdNi $1-x$ Cu $x$ compounds. Physica B: Condensed Matter, 1992, 180-181, 100-104.	2.7	7
128	Magnetic properties of singlet ground states in RM $2$ X $2$ compounds. Journal of Alloys and Compounds, 1998, 275-277, 565-568.	5.5	7
129	Long-range magnetic order, spin-glass and evanescence of the magnetism in strongly correlated Ce-based compounds. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 125-131.	2.3	7
130	From dihydrated iron(III) phosphate to monohydrated ammonium-iron(II) phosphate: Solvothermal reaction mediated by acetone-urea mixtures. Journal of Solid State Chemistry, 2012, 196, 458-464.	2.9	7
131	Magnetic structures and cerium moment reduction in the CeNi $x$ Pt $1-x$ ferromagnetic Kondo lattices. Journal of Magnetism and Magnetic Materials, 1992, 108, 51-52.	2.3	6
132	Thermal expansion in CexY $1-x$ Ni $0.8$ Pt $0.2$ . Solid State Communications, 1993, 87, 735-739.	1.9	6
133	Dynamics of PrNi $2$ Si $2$ in its modulated magnetic phase. Physica B: Condensed Matter, 1997, 234-236, 756-757.	2.7	6
134	Temperature Dependence of the Molar Heat Capacity for Ferromagnets Within the Mean Field Theory. Physica Scripta, 2005, 71, CC19-CC22.	2.5	6
135	Location of Ni $^{2+}$ in nickel-intercalated vermiculites. Applied Clay Science, 2014, 91-92, 79-86.	5.2	6
136	Lamellar nanoparticles recycled from synthetic cobalt carbonate: Core/shell morphology and magnetic properties. Ceramics International, 2017, 43, 10889-10894.	4.8	6
137	Specific heat and thermal expansion of CePt in the 0.7-300 K temperature range. Physica B: Condensed Matter, 1995, 206-207, 264-266.	2.7	5
138	Itinerant band weak ferromagnetism from the Stoner equations. European Journal of Physics, 1999, 20, 289-295.	0.6	5
139	Complex magnetic ordering in NdNi $1-x$ Cu $x$ : Determination of the magnetic structure by neutron diffraction. Physical Review B, 2004, 70, .	3.2	5
140	Low temperature neutron diffraction and magnetization of Fe $_{25}$ Cu $_{75}$ solid solutions. Journal of Non-Crystalline Solids, 2007, 353, 859-861.	3.1	5
141	Synthesis, Structure and Magnetic Characterization of Two Phosphate Compounds Related with the Mineral Struvite: KNiPO $4$ $\cdot$ $\frac{1}{4}$ H $_2$ O and NaNiPO $4$ $\cdot$ $\frac{1}{4}$ H $_2$ O. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 1932-1936.	1.2	5
142	Structural and magnetic study of mechanically alloyed Fe $_{30}$ Cr $_{70}$ by neutron thermo-diffractometry and magnetization measurements. Journal of Non-Crystalline Solids, 2008, 354, 5156-5158.	3.1	5
143	Magnetic structure and magneto-volume anomalies in Er $_2$ Fe $_{17}$ compound. Journal of Physics: Conference Series, 2011, 325, 012011.	0.4	5
144	Phasons, amplitude modes, and spin waves in the amplitude-modulated magnetic phase of PrNi $2$ Si $2$ . Physical Review B, 2013, 87, .	3.2	5

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145	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
146	Magnetic excitations in $\text{CeNi}_x\text{Pt}_{1-x}$ ferromagnetic Kondo lattice compounds. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 217-218.	2.7	4
147	Magnetovolume effects on the $\text{GdNi}_{1-x}\text{Cu}_x$ compounds with low magnetocrystalline anisotropy. <i>IEEE Transactions on Magnetics</i> , 1994, 30, 1009-1011.	2.1	4
148	On a general Heisenberg exchange effective Hamiltonian. <i>European Journal of Physics</i> , 1995, 16, 195-198.	0.6	4
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