

# Olivier Isnard

## List of Publications by Year in descending order

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489  
papers

7,839  
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81743

39  
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128067

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519  
all docs

519  
docs citations

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times ranked

4686  
citing authors

#	ARTICLE	IF	CITATIONS
1	Crystal Structure of La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> , a New Fast Oxide Ion Conductor. Chemistry of Materials, 2000, 12, 2575-2580.	3.2	291
2	Structural and transport characteristics of the LAMOX family of fast oxide-ion conductors, based on lanthanum molybdenum oxide La <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> . Journal of Materials Chemistry, 2001, 11, 119-124.	6.7	212
3	Neutron diffraction study of the structural and magnetic properties of the R <sub>2</sub> Fe <sub>17</sub> Hx(Dx) ternary compounds (R = La, Ce, Nd and Ho). Journal of the Less Common Metals, 1990, 162, 273-284.	0.9	139
4	Ordered Spin Ice State and Magnetic Fluctuations in Tb <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> . Physical Review Letters, 2005, 94, .	2.9	135
5	New Insight on the Unusually High Ionic Mobility in Chevrel Phases. Chemistry of Materials, 2009, 21, 1390-1399.	3.2	127
6	Phase Diagram of Mg Insertion into Chevrel Phases, Mg <sub>x</sub> Mo <sub>6</sub> T <sub>8</sub> (T = S, Se). 1. Crystal Structure of the Sulfides. Chemistry of Materials, 2006, 18, 5492-5503.	3.2	116
7	Structural and magnetic properties of ternary nitrides R <sub>2</sub> Fe <sub>17</sub> N <sub>x</sub> (R = Nd, Sm). Journal of the Less Common Metals, 1991, 171, 51-61.	0.9	97
8	Magnetism in Fe-based intermetallics: relationships between local environments and local magnetic moments. Journal of Alloys and Compounds, 1994, 205, 1-15.	2.8	90
9	A neutron diffraction and Mössbauer effect study of the Nd <sub>2</sub> Fe <sub>17</sub> As <sub>6</sub> solid solutions. Solid State Communications, 1993, 88, 761-764.	0.9	86
10	Neutron powder-diffraction study of Pr <sub>2</sub> Fe <sub>17</sub> and Pr <sub>2</sub> Fe <sub>17</sub> N <sub>2.9</sub> . Physical Review B, 1992, 45, 2920-2926.	1.1	75
11	Magnetic study of the Ce <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> compounds: Magnetic circular x-ray dichroism, x-ray-absorption near-edge structure, magnetization, and diffraction results. Physical Review B, 1994, 49, 15692-15701.	1.1	75
12	Magnetic and dielectric properties in the langasite-type compounds: $A_3B_7C$ $\frac{A_3B_7C}{A_3B_7C}$ Physical Review B, 2010, 81, .	1.1	74
13	Neutron diffraction study of the insertion scheme of hydrogen in Nd <sub>2</sub> Fe <sub>14</sub> B. Journal of Applied Physics, 1995, 78, 1892-1898.	1.1	73
14	Synthesis and magnetic properties of Ni <sub>3</sub> Fe intermetallic compound obtained by mechanical alloying. Journal of Alloys and Compounds, 2003, 352, 34-40.	2.8	70
15	Study of the ferrodistorive orbital ordering in NaNiO <sub>2</sub> by neutron diffraction and submillimeter wave ESR. European Physical Journal B, 2000, 17, 615-622.	0.6	69
16	A structural analysis and some magnetic properties of the R <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> series. Journal of Magnetism and Magnetic Materials, 1994, 137, 151-156.	1.0	67
17	Phase Diagram of Mg Insertion into Chevrel Phases, Mg <sub>x</sub> Mo <sub>6</sub> T <sub>8</sub> (T = S, Se). 2. The Crystal Structure of Triclinic MgMo <sub>6</sub> Se <sub>8</sub> . Chemistry of Materials, 2006, 18, 3705-3714.	3.2	65
18	Bi <sub>4</sub> V <sub>2</sub> O <sub>11</sub> polymorph crystal structures related to their electrical properties. Solid State Ionics, 2003, 157, 147-153.	1.3	60

#	ARTICLE	IF	CITATIONS
19	Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite "NiFe <sub>2</sub> O <sub>4</sub> obtained by reactive milling. <i>Journal of Alloys and Compounds</i> , 2011, 509, 7931-7936.	2.8	59
20	Crystallography of Chevrel Phases, MMo <sub>6</sub> T <sub>8</sub> (M = Cd, Na, Mn, and Zn, T = S, Se) and Their Cation Mobility. <i>Inorganic Chemistry</i> , 2009, 48, 8751-8758.	1.9	55
21	Neutron diffraction studies of the magnetic phase transitions in Ce <sub>2</sub> Fe <sub>17</sub> compound under pressure. <i>Journal of Applied Physics</i> , 2002, 92, 385-391.	1.1	51
22	In Situ Neutron Powder Diffraction of a Nickel Hydroxide Electrode. <i>Chemistry of Materials</i> , 2004, 16, 3936-3948.	3.2	51
23	Neutron powder diffraction study of R <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> compounds with R = Pr and Nd. <i>Solid State Communications</i> , 1992, 81, 13-19.	0.9	50
24	Phase Diagram of Mg Insertion into Chevrel Phases, Mg <sub>x</sub> Mo <sub>6</sub> T <sub>8</sub> (T = S, Se). 3. The Crystal Structure of Triclinic Mg <sub>2</sub> Mo <sub>6</sub> Se <sub>8</sub> . <i>Inorganic Chemistry</i> , 2008, 47, 1975-1983.	1.9	49
25	Magnetization properties of RE <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> compounds: RE = Nd, Ce, Ho. <i>Journal of Magnetism and Magnetic Materials</i> , 1992, 103, 157-164.	1.0	48
26	LaNiO <sub>2</sub> : Synthesis and structural characterization. <i>Journal of Solid State Chemistry</i> , 2005, 178, 1326-1334.	1.4	48
27	Oxidation Mechanism of Aluminum Nanopowders. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25063-25070.	1.5	48
28	Crystal and magnetic structure of YCo <sub>4-x</sub> Fe <sub>x</sub> B. <i>Journal of Applied Physics</i> , 2001, 89, 71-75.	1.1	47
29	Structural changes and thermal properties of aluminium micro- and nano-powders. <i>Acta Materialia</i> , 2010, 58, 4224-4232.	3.8	47
30	Hydrogen effects on the magnetic properties of RFe <sub>11</sub> Ti compounds. <i>Journal of Alloys and Compounds</i> , 1998, 275-277, 637-641.	2.8	46
31	The structural and magnetic properties of Y <sub>n+1</sub> Co <sub>3n+5</sub> B <sub>2n</sub> compounds investigated by neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 5841-5851.	0.7	45
32	Preparation and soft magnetic properties of spark plasma sintered compacts based on Fe-Si-B glassy powder. <i>Journal of Alloys and Compounds</i> , 2014, 600, 1-7.	2.8	45
33	Unusual effects on hydrogenation: anomalous expansion and volume contraction. <i>Journal of Alloys and Compounds</i> , 2003, 356-357, 109-113.	2.8	44
34	Influence of composition and order on the magnetism of Fe-Pt alloys: Neutron powder diffraction and theory. <i>Applied Physics Letters</i> , 2006, 89, 032506.	1.5	44
35	Structural and magnetic properties of the copper ferrite obtained by reactive milling and heat treatment. <i>Ceramics International</i> , 2013, 39, 4179-4186.	2.3	43
36	High field magnetization measurements of Sm <sub>2</sub> Fe <sub>17</sub> , Sm <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> , Sm <sub>2</sub> Fe <sub>17</sub> D <sub>5</sub> , and Pr <sub>2</sub> Fe <sub>17</sub> , Pr <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> (invited). <i>Journal of Applied Physics</i> , 1994, 75, 5988-5993.	1.1	41

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37	Hydrogen adsorption in microporous alkali-doped carbons (activated carbon and single wall) Tj ETQq1 1 0.784314 199 BT /Overlock 10	1.9	41
38	Hydrogenation of the ternary compounds CeNiX (X=Al, Ga, In, Si, Ge and Sn): influence on the valence state of cerium. Journal of Alloys and Compounds, 2004, 383, 4-9.	2.8	41
39	Soft magnetic composite based on mechanically alloyed nanocrystalline Ni3Fe phase. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1531-1534.	1.0	41
40	Magnetic Properties of the RCo4B Compounds (R=Y, Pr, Nd, Sm, Gd, Tb). Journal of Solid State Chemistry, 2000, 154, 242-245.	1.4	40
41	Crystallographic and magnetic study of the nanocrystalline Ni3Fe intermetallic compound formation by mechanical alloying and annealing. Journal of Alloys and Compounds, 2003, 361, 144-152.	2.8	40
42	AC magnetic properties of the soft magnetic composites based on Superalloy nanocrystalline powder prepared by mechanical alloying. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2012, 177, 661-665.	1.7	40
43	Neutron powder diffraction study of the desorption of deuterium in Nd2Fe17Dx (x=0, 1, 2, 3, 4, and 5). Physica B: Condensed Matter, 1992, 180-181, 629-631.	1.3	38
44	Magnetic properties of Ni3Fe intermetallic compound obtained by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 885-887.	1.0	38
45	Role of the (H,C,N) interstitial elements on the magnetic properties of iron-rare earth permanent magnet alloys. Journal of Alloys and Compounds, 1995, 219, 16-24.	2.8	36
46	Mössbauer spectral study of the magnetic properties of Ce2Fe17Hx (x=0, 1, 2, 3, 4, and 5). Physical Review B, 2000, 62, 11731-11741.	1.1	36
47	Nitrogen gas pressure synthesis and neutron diffraction study of R2Fe17N3 with R=1/4Ce and Nd. Journal of Alloys and Compounds, 1992, 190, 129-135.	2.8	34
48	Ultrasharp magnetization steps in the antiferromagnetic itinerant-electron system $\text{LaF}_{12}\text{B}_6$ . Physical Review B, 2016, 93, .	1.1	34
49	A structural investigation of $\text{SmCo}_5/\text{Fe}$ nanostructured alloys obtained by high-energy ball milling and subsequent annealing. Journal Physics D: Applied Physics, 2010, 43, 085001.	1.3	33
50	Determination of the crystal and magnetic structures of $\text{R}_{n+1}\text{Co}_3\text{n}+5\text{B}_2\text{n}$ (n=1, 2, and 3; R=Pr, Nd, and) Tj ETQq0 0 0 199 BT /Overlock 32	1.1	32
51	Influence of stoichiometry and composition on the structural and electrochemical properties of AB5+y-based alloys used as negative electrode materials in NiMH batteries. Journal of Alloys and Compounds, 2002, 330-332, 787-791.	2.8	32
52	Synthesis of the Superalloy Powders by Mechanical Alloying. Journal of Materials Science, 2004, 39, 5305-5309.	1.7	32
53	Synthesis and magnetic structure of the YbMn2Sb2 compound. Journal of Alloys and Compounds, 2006, 420, 34-36.	2.8	32
54	A review of in situ and/or time resolved neutron scattering. Comptes Rendus Physique, 2007, 8, 789-805.	0.3	32

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55	On the R 5d band polarization in rare-earth transition metal compounds. Journal of Physics Condensed Matter, 2011, 23, 026001.	0.7	32
56	A structural, magnetic, and Mössbauer spectral study of Dy <sub>2</sub> Fe <sub>17</sub> and its hydrides. Journal of Applied Physics, 2000, 88, 2750-2759.	1.1	31
57	New model for the magnetic structure of the marokite-type oxide CaMn <sub>2</sub> O <sub>4</sub> . Journal of Alloys and Compounds, 2003, 353, 5-11.	2.8	31
58	Hydrogen induced antiferromagnetism in the Kondo semimetal CeNiSn. Journal of Alloys and Compounds, 2003, 359, 62-65.	2.8	31
59	New investigation of the magnetic structure of CoNb <sub>2</sub> O <sub>6</sub> columbite. Journal of Applied Physics, 2011, 109, .	1.1	31
60	Detection of hydrogen-induced effects in Ce <sub>2</sub> Fe <sub>14</sub> BH <sub>x</sub> and Ce <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> permanent magnets by LIII absorption edge of cerium. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1171-1172.	1.0	30
61	<sup>155</sup> Gd Mössbauer spectroscopy study of the Gd <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> system. Journal of Magnetism and Magnetic Materials, 1994, 131, 83-89.	1.0	30
62	Magnetic and Mössbauer spectral evidence for the suppression of the magnetic spin reorientation in Tm <sub>2</sub> Fe <sub>17</sub> by deuterium. Physical Review B, 2002, 65, .	1.1	30
63	Development of magnetic order in the pseudo-ternary series ErNi <sub>1-x</sub> Cu <sub>x</sub> Al. Journal of Magnetism and Magnetic Materials, 2004, 283, 34-45.	1.0	30
64	Magnetic structure of the spin-1/2 layer compound NaNiO <sub>2</sub> . European Physical Journal B, 2005, 43, 159-162.	0.6	30
65	Hydrogen dynamics in the hydrides of Pr <sub>2</sub> Fe <sub>17</sub> as revealed by Mössbauer spectroscopy. Journal of Applied Physics, 1999, 86, 2200-2207.	1.1	29
66	Influence of benzene on the Ni <sub>3</sub> Fe nanocrystalline compound formation by wet mechanical alloying: An investigation combining DSC, X-ray diffraction, mass and IR spectrometries. Materials Chemistry and Physics, 2011, 125, 364-369.	2.0	29
67	Preparation and characterisation of Co-Fe-Ni-M-Si-B (M=Zr, Ti) amorphous powders by wet mechanical alloying. Journal of Alloys and Compounds, 2016, 673, 80-85.	2.8	29
68	High field magnetization measurements of SmFe <sub>11</sub> Ti and SmFe <sub>11</sub> TiH <sub>1.7</sub> . Journal of Applied Physics, 1996, 79, 5542.	1.1	28
69	Metastable and transient states of chemical ordering in Fe-V nanocrystalline alloys. Physical Review B, 2001, 65, .	1.1	28
70	Neutron powder diffraction and magnetic phase diagram of RCo <sub>4</sub> Ga compounds (R=Y and Pr). Journal of Alloys and Compounds, 2002, 346, 29-37.	2.8	28
71	Neutron diffraction studies on Gd <sub>6</sub> and Tb <sub>6</sub> powders. Physica B: Condensed Matter, 2004, 350, E39-E42.	1.3	28
72	Influence of hydrogenation on the structural and magnetic properties of compounds based on cerium and crystallizing in the tetragonal CeFeSi-type structure. Solid State Communications, 2005, 134, 529-533.	0.9	28

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73	Magnetic characterization of the non centrosymmetric Ba <sub>3</sub> NbFe <sub>3</sub> Si <sub>2</sub> O <sub>14</sub> langasite. Journal of Magnetism and Magnetic Materials, 2009, 321, 1778-1781.	1.0	28
74	A Mössbauer spectral study of the magnetic properties of Ho <sub>2</sub> Fe <sub>17</sub> and Ho <sub>2</sub> Fe <sub>17</sub> D <sub>3.8</sub> . Journal of Applied Physics, 2002, 91, 1423-1430.	1.1	27
75	AC magnetic properties of the soft magnetic composites based on nanocrystalline Ni-Fe powders obtained by mechanical alloying. Journal of Magnetism and Magnetic Materials, 2007, 310, 2474-2476.	1.0	27
76	Magnetic and crystal structures of the magnetoelectric pyroxene $\text{LiCrSi}_2$ . Physical Review B, 2009, 79, .	1.1	27
77	Synthesis of nanocrystalline Supermalloy powders by mechanical alloying: A thermomagnetic analysis. Journal of Magnetism and Magnetic Materials, 2010, 322, 1548-1551.	1.0	27
78	Synthesis, structural and magnetic characterization of nanocrystalline CuFe <sub>2</sub> O <sub>4</sub> as obtained by a combined method reactive milling, heat treatment and ball milling. Ceramics International, 2012, 38, 1951-1957.	2.3	27
79	Nanocrystalline/nanosized manganese substituted nickel ferrites $\text{Ni}_{1-x}\text{Mn}_x\text{Fe}_2\text{O}_4$ obtained by ceramic-mechanical milling route. Ceramics International, 2016, 42, 4754-4763.	2.3	27
80	Magnetic and structural properties of the Supermalloy powders produced by mechanical alloying and annealing. Journal of Magnetism and Magnetic Materials, 2005, 290-291, 1535-1538.	1.0	26
81	Ordering of nanocrystalline Fe-Pt alloys studied by in situ neutron powder diffraction. Journal of Applied Physics, 2006, 100, 094308.	1.1	26
82	Influence of wet milling conditions on the structural and magnetic properties of Ni <sub>3</sub> Fe nanocrystalline intermetallic compound. Intermetallics, 2011, 19, 19-25.	1.8	26
83	High magnetic field study of the intermetallic compound $\text{Fe}_{17}\text{Cr}_2$ and $\text{Fe}_{17}\text{Cr}_2\text{Mn}$ . Journal of Applied Physics, 2006, 100, 094308.	1.1	26
84	Mechanosynthesis, structural, thermal and magnetic characteristics of oleic acid coated Fe <sub>3</sub> O <sub>4</sub> nanoparticles. Materials Chemistry and Physics, 2016, 171, 336-345.	2.0	26
85	Modulation of spin reorientation transitions in the series R(Fe, M) <sub>12</sub> X <sub>y</sub> (R = $\frac{1}{4}$ Y, Nd, Ho; M = $\frac{1}{4}$ Mo, Ti; X = $\frac{1}{4}$ N, H). Journal of Alloys and Compounds, 1993, 191, 233-238.	2.8	25
86	Structure of LaCuO <sub>2.66</sub> : an oxidized delafossite compound containing hole-doped kagome planes of Cu <sup>2+</sup> cations. Solid State Sciences, 2003, 5, 1095-1104.	1.5	25
87	Magnetic structure of the CeScSi-type RScGe compounds (R=Pr, Nd, Tb). Journal of Alloys and Compounds, 2008, 450, 86-91.	2.8	25
88	Inverse and normal magnetocaloric effects in LaFe <sub>12</sub> B <sub>6</sub> . Journal of Applied Physics, 2016, 119, 213904.	1.1	25
89	Structural, electronic and magnetic properties of the Mn <sub>50</sub> Al <sub>46</sub> Ni <sub>4</sub> alloy. Journal of Magnetism and Magnetic Materials, 2016, 401, 841-847.	1.0	25
90	Structural and magnetic behaviour of the series Th <sub>2</sub> Fe <sub>17</sub> C <sub>x</sub> (x=0 to 1.25). Journal of Alloys and Compounds, 1992, 186, 135-145.	2.8	24

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91	Hydrogen absorption in R <sub>2</sub> Fe <sub>17</sub> alloys (R=rare earth metals) thermodynamics, structural and magnetic properties. Journal of Alloys and Compounds, 1997, 257, 150-155.	2.8	24
92	The Fe ordering in RFe <sub>6</sub> Ge <sub>6</sub> compounds with non-magnetic R (R=Y, Lu, Hf) studied by neutron diffraction and magnetic measurements. Journal of Alloys and Compounds, 1998, 267, 59-65.	2.8	24
93	Structural investigation of oxygen insertion within the Ce <sub>2</sub> Sn <sub>2</sub> O <sub>7</sub> ↔ Ce <sub>2</sub> Sn <sub>2</sub> O <sub>8</sub> pyrochlore solid solution by means of in situ neutron diffraction experiments. Journal of Materials Chemistry, 1999, 9, 3131-3136.	6.7	24
94	Giant spontaneous magnetization jumps in LaFe <sub>12</sub> B <sub>6</sub> . Applied Physics Letters, 2016, 108, 132401.	1.5	24
95	Neutron powder diffraction study of the reaction of Nd <sub>2</sub> Fe <sub>17</sub> compound with nitrogen gas. Physica B: Condensed Matter, 1992, 180-181, 624-626.	1.3	23
96	Neutron diffraction study of the CeFeSi-type RTiGe compounds (R=Pr, Nd, Tb ↔ Er). Journal of Magnetism and Magnetic Materials, 2001, 234, 261-273.	1.0	23
97	Magnetic properties of Fe <sub>2</sub> P-type R <sub>6</sub> CoTe <sub>2</sub> compounds (R=Gd ↔ Er). Journal of Solid State Chemistry, 2010, 183, 1314-1325.	1.4	23
98	The influence of short time heat treatment on the structural and magnetic behaviour of Nd <sub>2</sub> Fe <sub>14</sub> B/±-Fe nanocomposite obtained by mechanical milling. Journal of Alloys and Compounds, 2011, 509, 9964-9969.	2.8	23
99	Magnetic properties of the R <sub>2</sub> Fe <sub>17</sub> H <sub>x</sub> series. Journal of Alloys and Compounds, 1995, 231, 188-194.	2.8	22
100	A magnetic and Mössbauer spectral study of the spin reorientation in NdFe <sub>11</sub> Ti and NdFe <sub>11</sub> TiH. Journal of Applied Physics, 2004, 95, 6308-6316.	1.1	22
101	Magnetic and crystal structures of the one-dimensional ferromagnetic chain pyroxene $\text{NaCrGe}_2$ . Physical Review B, 2009, 80, .	1.1	22
102	Spin-Flop Transition and Magnetocaloric Effect through Disconnected Magnetic Blocks in Co <sup>III</sup> /Co <sup>IV</sup> Oxybromides. Chemistry of Materials, 2010, 22, 3807-3816.	3.2	22
103	Structural and magnetic properties of nanocrystalline NiFeCuMo powders produced by wet mechanical alloying. Journal of Alloys and Compounds, 2011, 509, 3632-3637.	2.8	22
104	A Mössbauer effect study of the interstitial hydrides and nitride of Nd <sub>2</sub> Fe <sub>17</sub> . Hyperfine Interactions, 1995, 95, 277-289.	0.2	21
105	X-ray absorption spectroscopy and magnetic circular x-ray dichroism in. Journal of Physics Condensed Matter, 1996, 8, 2437-2446.	0.7	21
106	Hydrogen in hard magnetic materials. Journal of Alloys and Compounds, 1997, 253-254, 121-127.	2.8	21
107	Mössbauer effects studies and magnetic properties of GdFe <sub>11</sub> Ti and GdFe <sub>11</sub> TiH <sub>1.5</sub> . Journal of Magnetism and Magnetic Materials, 1998, 189, 47-54.	1.0	21
108	A Mössbauer spectral study of CeFe <sub>11</sub> Ti and CeFe <sub>11</sub> TiH. Journal of Magnetism and Magnetic Materials, 1999, 202, 100-106.	1.0	21

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109	A high energy inelastic neutron scattering investigation of the Gd-Fe exchange coupling in Gd <sub>2</sub> Fe <sub>17</sub> D <sub>x</sub> (x= 0, 3 and 5). Journal of Physics Condensed Matter, 2001, 13, 3533-3543.	0.7	21
110	Structural features of new rare earth-based mixed anions (O, S, F) compounds: relationships between optical absorption and rare earth environment. Solid State Sciences, 2002, 4, 1471-1479.	1.5	21
111	Crystal and magnetic structure of hexagonal RCo <sub>4</sub> Al intermetallic compounds (R=Y and Pr). Journal of Magnetism and Magnetic Materials, 2002, 253, 118-129.	1.0	21
112	Magnetic ordering induced by the hydrogenation of the ternary stannide CeNiSn. Journal of Magnetism and Magnetic Materials, 2004, 272-276, 576-578.	1.0	21
113	Relation between crystal structure and physical properties of Rn+1M <sub>5</sub> +3nB <sub>2n</sub> phases. Journal of Alloys and Compounds, 2007, 442, 22-28.	2.8	21
114	Phase transformations and magnetic structure of nanocrystalline Fe-Pd and Co-Pt alloys studied by in situ neutron powder diffraction. Journal of Applied Physics, 2009, 105, 07A717.	1.1	21
115	Magnetic properties of nanocrystalline Ni <sub>3</sub> Fe compacts prepared by spark plasma sintering. Intermetallics, 2013, 35, 98-103.	1.8	21
116	New tetragonal derivatives of cubic NaZn <sub>13</sub> -type structure: RNi <sub>6</sub> Si <sub>6</sub> compounds, crystal structure and magnetic ordering (R=Y, La, Ce, Sm, Gd-Yb). Journal of Solid State Chemistry, 2014, 210, 45-52.	1.4	21
117	Effect of pressure and high magnetic field on phase transitions and magnetic properties of Ni <sub>1.92</sub> Mn <sub>1.56</sub> Sn <sub>0.52</sub> and Ni <sub>2</sub> MnSn Heusler compounds. Journal of Alloys and Compounds, 2015, 650, 248-255.	2.8	21
118	Structural, magnetic and thermal characterization of amorphous FINEMET powders prepared by wet mechanical alloying. Journal of Alloys and Compounds, 2015, 626, 49-55.	2.8	21
119	Magnetic properties and magnetic structure of HoFe <sub>11</sub> Ti and its hydrides. Journal of Alloys and Compounds, 1998, 265, 1-5.	2.8	20
120	Neutron diffraction and <sup>57</sup> Fe Mössbauer study of the HfFe <sub>6</sub> Ge <sub>6</sub> -type RFe <sub>6</sub> Ge <sub>6</sub> compounds (R=Sc, Ti, Zr). Journal of Alloys and Compounds, 1998, 265, 1-5.	2.8	20
121	Magnetic and Mössbauer spectral properties of DyFe <sub>11</sub> Ti and DyFe <sub>11</sub> TiH. Journal of Magnetism and Magnetic Materials, 2003, 265, 156-166.	1.0	20
122	A magnetic and Mössbauer spectral study of PrFe <sub>11</sub> Ti and PrFe <sub>11</sub> TiH. Journal of Alloys and Compounds, 2004, 377, 1-7.	2.8	20
123	Structure and magnetism in RNi <sub>1-x</sub> Cu <sub>x</sub> Al (R=Er, Dy) compounds. Journal of Alloys and Compounds, 2006, 408-412, 155-157.	2.8	20
124	Pressure-induced changes in the structural and magnetic properties of YFe <sub>4</sub> D <sub>2</sub> . Physical Review B, 2011, 84, 014407.	1.1	20
125	Structure and magnetism in RNi <sub>1-x</sub> Co <sub>x</sub> Al (R=Er, Dy) compounds. Journal of Alloys and Compounds, 2006, 408-412, 155-157.	1.1	20
126	Structural study and magnetic characterization of Th <sub>2</sub> Fe <sub>17</sub> D <sub>5</sub> , Th <sub>2</sub> Fe <sub>17</sub> CxH <sub>5-x</sub> and Th <sub>2</sub> Fe <sub>17</sub> N <sub>3</sub> . Journal of Physics Condensed Matter, 1993, 5, 5481-5490.	0.7	19



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127	Structural and magnetic properties of Nd <sub>2</sub> Fe <sub>14</sub> Si B compounds and related hydrides. Journal of Alloys and Compounds, 1999, 283, 320-326.	2.8	19
128	Bicriticality in Fe <sub>x</sub> Co <sub>1-x</sub> Ta <sub>2</sub> O <sub>6</sub> . Physical Review Letters, 2003, 91, 197208.	2.9	19
129	On the Mechanism of Triclinic Distortion in Chevrel Phase as Probed by In-Situ Neutron Diffraction. Inorganic Chemistry, 2007, 46, 7528-7535. Nanocrystalline/Nanosized	1.9	19
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