

Olivier Isnard

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479
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6,698
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519
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ext. citations

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L-index

| # | Paper | IF | Citations |
|-----|--|-----|-----------|
| 479 | Crystal Structure of La ₂ Mo ₂ O ₉ , a New Fast Oxide Ion Conductor. <i>Chemistry of Materials</i> , 2000 , 12, 2575-2580 | 7.4 | 236 |
| 478 | Structural and transport characteristics of the LAMOX family of fast oxide-ion conductors, based on lanthanum molybdenum oxide La ₂ Mo ₂ O ₉ . <i>Journal of Materials Chemistry</i> , 2001 , 11, 119-124 | | 173 |
| 477 | Neutron diffraction study of the structural and magnetic properties of the R ₂ Fe ₁₇ H _x (D _x) ternary compounds (R = Ce, Nd and Ho). <i>Journal of the Less Common Metals</i> , 1990 , 162, 273-284 | | 136 |
| 476 | Ordered Spin Ice State and Magnetic Fluctuations in Tb ₂ Sn ₂ O ₇ . <i>Physical Review Letters</i> , 2005 , 94, | 7.4 | 120 |
| 475 | New Insight on the Unusually High Ionic Mobility in Chevrel Phases. <i>Chemistry of Materials</i> , 2009 , 21, 1390-1399 | 9.6 | 106 |
| 474 | Phase Diagram of Mg Insertion into Chevrel Phases, Mg _x Mo ₆ T ₈ (T = S, Se). 1. Crystal Structure of the Sulfides. <i>Chemistry of Materials</i> , 2006 , 18, 5492-5503 | 9.6 | 98 |
| 473 | Structural and magnetic properties of ternary nitrides R ₂ Fe ₁₇ N _x (R = Nd, Sm). <i>Journal of the Less Common Metals</i> , 1991 , 171, 51-61 | | 95 |
| 472 | A neutron diffraction and Mössbauer effect study of the Nd ₂ Fe ₁₇ Six solid solutions. <i>Solid State Communications</i> , 1993 , 88, 761-764 | 1.6 | 86 |
| 471 | Magnetism in Fe-based intermetallics: relationships between local environments and local magnetic moments. <i>Journal of Alloys and Compounds</i> , 1994 , 205, 1-15 | 5.7 | 84 |
| 470 | Neutron powder-diffraction study of Pr ₂ Fe ₁₇ and Pr ₂ Fe ₁₇ N _{2.9} . <i>Physical Review B</i> , 1992 , 45, 2920-2926 | 3.3 | 74 |
| 469 | Magnetic study of the Ce ₂ Fe ₁₇ H _x compounds: Magnetic circular x-ray dichroism, x-ray-absorption near-edge structure, magnetization, and diffraction results. <i>Physical Review B</i> , 1994 , 49, 15692-15701 | 3.3 | 73 |
| 468 | Magnetic and dielectric properties in the langasite-type compounds: A ₃ BFe ₃ D ₂ O ₁₄ (A=Ba, Sr, Ca; B=Ta, Nb, Sb; D=Ge, Si). <i>Physical Review B</i> , 2010 , 81, | 3.3 | 67 |
| 467 | A structural analysis and some magnetic properties of the R ₂ Fe ₁₇ H _x series. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 137, 151-156 | 2.8 | 67 |
| 466 | Neutron-diffraction study of the insertion scheme of hydrogen in Nd ₂ Fe ₁₄ B. <i>Journal of Applied Physics</i> , 1995 , 78, 1892-1898 | 2.5 | 64 |
| 465 | Synthesis and magnetic properties of Ni ₃ Fe intermetallic compound obtained by mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2003 , 352, 34-40 | 5.7 | 63 |
| 464 | Study of the ferrodistorive orbital ordering in NaNiO ₂ by neutron diffraction and submillimeter wave ESR. <i>European Physical Journal B</i> , 2000 , 17, 615-622 | 1.2 | 61 |
| 463 | Phase Diagram of Mg Insertion into Chevrel Phases, Mg _x Mo ₆ T ₈ (T = S, Se). 2. The Crystal Structure of Triclinic MgMo ₆ Se ₈ . <i>Chemistry of Materials</i> , 2006 , 18, 3705-3714 | 9.6 | 54 |

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| 462 | Synthesis, structural and magnetic characterization of nanocrystalline nickel ferrite NiFe_2O_4 obtained by reactive milling. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 7931-7936 | 5.7 | 53 |
| 461 | $\text{Bi}_4\text{V}_2\text{O}_{11}$ polymorph crystal structures related to their electrical properties. <i>Solid State Ionics</i> , 2003 , 157, 147-153 | 3.3 | 51 |
| 460 | Neutron diffraction studies of the magnetic phase transitions in $\text{Ce}_2\text{Fe}_{17}$ compound under pressure. <i>Journal of Applied Physics</i> , 2002 , 92, 385-391 | 2.5 | 49 |
| 459 | Neutron powder diffraction study of $\text{R}_2\text{Fe}_{17}\text{H}_x$ compounds with $\text{R} = \text{Pr}$ and Nd . <i>Solid State Communications</i> , 1992 , 81, 13-19 | 1.6 | 48 |
| 458 | Magnetization properties of $\text{RE}_2\text{Fe}_{17}\text{H}_x$ compounds: $\text{RE} = \text{Nd}, \text{Ce}, \text{Ho}$. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 103, 157-164 | 2.8 | 48 |
| 457 | In Situ Neutron Powder Diffraction of a Nickel Hydroxide Electrode. <i>Chemistry of Materials</i> , 2004 , 16, 3936-3948 | 9.6 | 44 |
| 456 | Hydrogen effects on the magnetic properties of RFe_{11}Ti compounds. <i>Journal of Alloys and Compounds</i> , 1998 , 275-277, 637-641 | 5.7 | 43 |
| 455 | Crystal and magnetic structure of $\text{YCo}_4\text{Fe}_x\text{B}$. <i>Journal of Applied Physics</i> , 2001 , 89, 71-75 | 2.5 | 43 |
| 454 | Unusual effects on hydrogenation: anomalous expansion and volume contraction. <i>Journal of Alloys and Compounds</i> , 2003 , 356-357, 109-113 | 5.7 | 41 |
| 453 | Crystallography of Chevrel phases, MMo_6T_8 ($\text{M} = \text{Cd}, \text{Na}, \text{Mn}, \text{and Zn}, \text{T} = \text{S}, \text{Se}$) and their cation mobility. <i>Inorganic Chemistry</i> , 2009 , 48, 8751-8 | 5.1 | 40 |
| 452 | Structural changes and thermal properties of aluminium micro- and nano-powders. <i>Acta Materialia</i> , 2010 , 58, 4224-4232 | 8.4 | 40 |
| 451 | The structural and magnetic properties of $\text{Y}_{n+1}\text{Co}_3\text{n}+5\text{B}_2\text{n}$ compounds investigated by neutron diffraction. <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 5841-5851 | 1.8 | 40 |
| 450 | Hydrogenation of the ternary compounds CeNi_X ($X = \text{Al}, \text{Ga}, \text{In}, \text{Si}, \text{Ge}$ and Sn): influence on the valence state of cerium. <i>Journal of Alloys and Compounds</i> , 2004 , 383, 4-9 | 5.7 | 39 |
| 449 | High field magnetization measurements of $\text{Sm}_2\text{Fe}_{17}$, $\text{Sm}_2\text{Fe}_{17}\text{N}_3$, $\text{Sm}_2\text{Fe}_{17}\text{D}_5$, and $\text{Pr}_2\text{Fe}_{17}$, $\text{Pr}_2\text{Fe}_{17}\text{N}_3$ (invited). <i>Journal of Applied Physics</i> , 1994 , 75, 5988-5993 | 2.5 | 39 |
| 448 | Hydrogen adsorption in microporous alkali-doped carbons (activated carbon and single wall nanotubes). <i>Journal of Physics and Chemistry of Solids</i> , 2004 , 65, 541-544 | 3.9 | 38 |
| 447 | Influence of composition and order on the magnetism of FePt alloys: Neutron powder diffraction and theory. <i>Applied Physics Letters</i> , 2006 , 89, 032506 | 3.4 | 37 |
| 446 | Neutron powder diffraction study of the desorption of deuterium in $\text{Nd}_2\text{Fe}_{17}\text{D}_x\text{B}$. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 629-631 | 2.8 | 37 |
| 445 | Phase diagram of Mg insertion into Chevrel phases, $\text{Mg}_x\text{Mo}_6\text{T}_8$ ($\text{T} = \text{S}, \text{Se}$). 3. The crystal structure of triclinic $\text{Mg}_2\text{Mo}_6\text{Se}_8$. <i>Inorganic Chemistry</i> , 2008 , 47, 1975-83 | 5.1 | 36 |

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| 444 | Crystallographic and magnetic study of the nanocrystalline Ni ₃ Fe intermetallic compound formation by mechanical alloying and annealing. <i>Journal of Alloys and Compounds</i> , 2003 , 361, 144-152 | 5-7 | 36 |
| 443 | Magnetic Properties of the RCo ₄ B Compounds (R=Y, Pr, Nd, Sm, Gd, Tb). <i>Journal of Solid State Chemistry</i> , 2000 , 154, 242-245 | 3-3 | 35 |
| 442 | Mössbauer spectral study of the magnetic properties of Ce ₂ Fe ₁₇ H _x (x=0, 1, 2, 3, 4, and 5). <i>Physical Review B</i> , 2000 , 62, 11731-11741 | 3-3 | 35 |
| 441 | Role of the (H,C,N) interstitial elements on the magnetic properties of iron-rare earth permanent magnet alloys. <i>Journal of Alloys and Compounds</i> , 1995 , 219, 16-24 | 5-7 | 35 |
| 440 | Oxidation Mechanism of Aluminum Nanopowders. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 25063-25078 | 3-3 | 33 |
| 439 | Preparation and soft magnetic properties of spark plasma sintered compacts based on Fe ₈₁ B ₁₉ glassy powder. <i>Journal of Alloys and Compounds</i> , 2014 , 600, 1-7 | 5-7 | 33 |
| 438 | Magnetic properties of Ni ₃ Fe intermetallic compound obtained by mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 242-245, 885-887 | 2.8 | 33 |
| 437 | Soft magnetic composite based on mechanically alloyed nanocrystalline Ni ₃ Fe phase. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1531-1534 | 2.8 | 33 |
| 436 | A structural, magnetic, and Mössbauer spectral study of Dy ₂ Fe ₁₇ and its hydrides. <i>Journal of Applied Physics</i> , 2000 , 88, 2750-2759 | 2.5 | 31 |
| 435 | Nitrogen gas pressure synthesis and neutron diffraction study of R ₂ Fe ₁₇ N ₃ with R=Ce and Nd. <i>Journal of Alloys and Compounds</i> , 1992 , 190, 129-135 | 5-7 | 31 |
| 434 | A structural investigation of SmCo ₅ /Fe nanostructured alloys obtained by high-energy ball milling and subsequent annealing. <i>Journal Physics D: Applied Physics</i> , 2010 , 43, 085001 | 3 | 30 |
| 433 | LaNiO ₂ : Synthesis and structural characterization. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1326-1334 | 3-3 | 30 |
| 432 | Determination of the crystal and magnetic structures of R _{n+1} Co _{3n+5} B _{2n} (n=1, 2, and 3; R=Pr, Nd, and Dy). <i>Journal of Applied Physics</i> , 2002 , 92, 7382-7388 | 2.5 | 30 |
| 431 | ¹⁵⁵ Gd Mössbauer spectroscopy study of the Gd ₂ Fe ₁₇ H _x system. <i>Journal of Magnetism and Magnetic Materials</i> , 1994 , 131, 83-89 | 2.8 | 30 |
| 430 | Development of magnetic order in the pseudo-ternary series ErNi _{1-x} Cu _x Al. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 283, 34-45 | 2.8 | 29 |
| 429 | Hydrogen dynamics in the hydrides of Pr ₂ Fe ₁₇ as revealed by Mössbauer spectroscopy. <i>Journal of Applied Physics</i> , 1999 , 86, 2200-2207 | 2.5 | 29 |
| 428 | Detection of hydrogen-induced effects in Ce ₂ Fe ₁₄ BH _x and Ce ₂ Fe ₁₇ H _x permanent magnets by LIII absorption edge of cerium. <i>Journal of Magnetism and Magnetic Materials</i> , 1992 , 104-107, 1171-1172 | 2.8 | 29 |
| 427 | Metastable and transient states of chemical ordering in Fe-V nanocrystalline alloys. <i>Physical Review B</i> , 2001 , 65, | 3-3 | 28 |

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| 426 | Influence of stoichiometry and composition on the structural and electrochemical properties of AB _{5+y} -based alloys used as negative electrode materials in NiMH batteries. <i>Journal of Alloys and Compounds</i> , 2002 , 330-332, 787-791 | 5.7 | 28 |
| 425 | Ultrasharp magnetization steps in the antiferromagnetic itinerant-electron system LaFe ₁₂ B ₆ . <i>Physical Review B</i> , 2016 , 93, | 3.3 | 27 |
| 424 | Magnetic characterization of the non centrosymmetric Ba ₃ NbFe ₃ Si ₂ O ₁₄ langasite. <i>Journal of Magnetism and Magnetic Materials</i> , 2009 , 321, 1778-1781 | 2.8 | 27 |
| 423 | AC magnetic properties of the soft magnetic composites based on nanocrystalline NiFe powders obtained by mechanical alloying. <i>Journal of Magnetism and Magnetic Materials</i> , 2007 , 310, 2474-2476 | 2.8 | 27 |
| 422 | A Mössbauer spectral study of the magnetic properties of Ho ₂ Fe ₁₇ and Ho ₂ Fe ₁₇ D _{3.8} . <i>Journal of Applied Physics</i> , 2002 , 91, 1423-1430 | 2.5 | 27 |
| 421 | Magnetic and Mössbauer spectral evidence for the suppression of the magnetic spin reorientation in Tm ₂ Fe ₁₇ by deuterium. <i>Physical Review B</i> , 2002 , 65, | 3.3 | 27 |
| 420 | AC magnetic properties of the soft magnetic composites based on Supermalloy nanocrystalline powder prepared by mechanical alloying. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2012 , 177, 661-665 | 3.1 | 26 |
| 419 | Structural and magnetic properties of the copper ferrite obtained by reactive milling and heat treatment. <i>Ceramics International</i> , 2013 , 39, 4179-4186 | 5.1 | 26 |
| 418 | A review of in situ and/or time resolved neutron scattering. <i>Comptes Rendus Physique</i> , 2007 , 8, 789-805 | 1.4 | 26 |
| 417 | Synthesis and magnetic structure of the YbMn ₂ Sb ₂ compound. <i>Journal of Alloys and Compounds</i> , 2006 , 420, 34-36 | 5.7 | 26 |
| 416 | Neutron diffraction studies on GdB ₆ and TbB ₆ powders. <i>Physica B: Condensed Matter</i> , 2004 , 350, E39-E42. | 2.8 | 26 |
| 415 | Hydrogen induced antiferromagnetism in the Kondo semimetal CeNiSn. <i>Journal of Alloys and Compounds</i> , 2003 , 359, 62-65 | 5.7 | 26 |
| 414 | Influence of hydrogenation on the structural and magnetic properties of compounds based on cerium and crystallizing in the tetragonal CeFeSi-type structure. <i>Solid State Communications</i> , 2005 , 134, 529-533 | 1.6 | 26 |
| 413 | Neutron powder diffraction and magnetic phase diagram of RCo ₄ Ga compounds (R=Y and Pr). <i>Journal of Alloys and Compounds</i> , 2002 , 346, 29-37 | 5.7 | 26 |
| 412 | Influence of benzene on the Ni ₃ Fe nanocrystalline compound formation by wet mechanical alloying: An investigation combining DSC, X-ray diffraction, mass and IR spectrometries. <i>Materials Chemistry and Physics</i> , 2011 , 125, 364-369 | 4.4 | 25 |
| 411 | New model for the magnetic structure of the marokite-type oxide CaMn ₂ O ₄ . <i>Journal of Alloys and Compounds</i> , 2003 , 353, 5-11 | 5.7 | 25 |
| 410 | Magnetic structure of the spin-1/2 layer compound NaNiO ₂ . <i>European Physical Journal B</i> , 2005 , 43, 159-162 | | 25 |
| 409 | Magnetic and crystal structures of the magnetoelectric pyroxene LiCrSi ₂ O ₆ . <i>Physical Review B</i> , 2009 , 79, | 3.3 | 24 |

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| 408 | New investigation of the magnetic structure of CoNb ₂ O ₆ columbite. <i>Journal of Applied Physics</i> , 2011 , 109, 07E160 | 2.5 | 24 |
| 407 | Hydrogen absorption in R ₂ Fe ₁₇ alloys (R=rare earth metals) thermodynamics, structural and magnetic properties. <i>Journal of Alloys and Compounds</i> , 1997 , 257, 150-155 | 5.7 | 24 |
| 406 | The influence of short time heat treatment on the structural and magnetic behaviour of Nd ₂ Fe ₁₄ B/Fe nanocomposite obtained by mechanical milling. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 9964-9969 | 5.7 | 23 |
| 405 | On the R ^{5d} band polarization in rare-earth-transition metal compounds. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 026001 | 1.8 | 23 |
| 404 | Ordering of nanocrystalline FePt alloys studied by in situ neutron powder diffraction. <i>Journal of Applied Physics</i> , 2006 , 100, 094308 | 2.5 | 23 |
| 403 | Structure of LaCuO _{2.66} : an oxidized delafossite compound containing hole-doped kagome planes of Cu ²⁺ cations. <i>Solid State Sciences</i> , 2003 , 5, 1095-1104 | 3.4 | 23 |
| 402 | Magnetic and structural properties of the Superalloy powders produced by mechanical alloying and annealing. <i>Journal of Magnetism and Magnetic Materials</i> , 2005 , 290-291, 1535-1538 | 2.8 | 23 |
| 401 | Structural investigation of oxygen insertion within the Ce ₂ Sn ₂ O ₇ /Ce ₂ Sn ₂ O ₈ pyrochlore solid solution by means of in situ neutron diffraction experiments. <i>Journal of Materials Chemistry</i> , 1999 , 9, 3131-3136 | | 23 |
| 400 | High field magnetization measurements of SmFe ₁₁ Ti and SmFe ₁₁ TiH ₁ . <i>Journal of Applied Physics</i> , 1996 , 79, 5542 | 2.5 | 23 |
| 399 | Modulation of spin reorientation transitions in the series R(Fe, M) ₁₂ X _y (R = Y, Nd, Ho; M = Mo, Ti; X = N, H). <i>Journal of Alloys and Compounds</i> , 1993 , 191, 233-238 | 5.7 | 23 |
| 398 | Structural and magnetic behaviour of the series Th ₂ Fe ₁₇ C _x (x=0 to 1.25). <i>Journal of Alloys and Compounds</i> , 1992 , 186, 135-145 | 5.7 | 23 |
| 397 | High magnetic field study of the Tm ₂ Fe ₁₇ and Tm ₂ Fe ₁₇ D _{3.2} compounds. <i>Physical Review B</i> , 2013 , 88, | 3.3 | 22 |
| 396 | The Fe ordering in RFe ₆ Ge ₆ compounds with non-magnetic R (R=Y, Lu, Hf) studied by neutron diffraction and magnetic measurements. <i>Journal of Alloys and Compounds</i> , 1998 , 267, 59-65 | 5.7 | 22 |
| 395 | Magnetic structure of the CeScSi-type RScGe compounds (R = Pr, Nd, Tb). <i>Journal of Alloys and Compounds</i> , 2008 , 450, 86-91 | 5.7 | 22 |
| 394 | Neutron diffraction study of the CeFeSi-type RTiGe compounds (R=Pr, Nd, TbEr). <i>Journal of Magnetism and Magnetic Materials</i> , 2001 , 234, 261-273 | 2.8 | 22 |
| 393 | Magnetic properties of the R ₂ Fe ₁₇ H _x series. <i>Journal of Alloys and Compounds</i> , 1995 , 231, 188-194 | 5.7 | 22 |
| 392 | Neutron powder diffraction study of the reaction of Nd ₂ Fe ₁₇ compound with nitrogen gas. <i>Physica B: Condensed Matter</i> , 1992 , 180-181, 624-626 | 2.8 | 22 |
| 391 | Preparation and characterisation of CoFeNiM-SiB (M = Zr, Ti) amorphous powders by wet mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2016 , 673, 80-85 | 5.7 | 22 |

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| 390 | Phase transformations and magnetic structure of nanocrystalline Fe ₂ Bd and Co ₂ Bt alloys studied by in situ neutron powder diffraction. <i>Journal of Applied Physics</i> , 2009 , 105, 07A717 | 2.5 | 21 |
| 389 | Crystal and magnetic structure of hexagonal RCo ₄ Al intermetallic compounds (R=Y and Pr). <i>Journal of Magnetism and Magnetic Materials</i> , 2002 , 253, 118-129 | 2.8 | 21 |
| 388 | A high energy inelastic neutron scattering investigation of the Gd-Fe exchange coupling in Gd ₂ Fe ₁₇ D _x (x= 0, 3 and 5). <i>Journal of Physics Condensed Matter</i> , 2001 , 13, 3533-3543 | 1.8 | 21 |
| 387 | A Mössbauer effect study of the interstitial hydrides and nitride of Nd ₂ Fe ₁₇ . <i>Hyperfine Interactions</i> , 1995 , 95, 277-289 | 0.8 | 21 |
| 386 | Synthesis of nanocrystalline Superalloy powders by mechanical alloying: A thermomagnetic analysis. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 1548-1551 | 2.8 | 20 |
| 385 | A Mössbauer spectral study of CeFe ₁₁ Ti and CeFe ₁₁ TiH. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 202, 100-106 | 2.8 | 20 |
| 384 | Inverse and normal magnetocaloric effects in LaFe ₁₂ B ₆ . <i>Journal of Applied Physics</i> , 2016 , 119, 213904 | 2.5 | 20 |
| 383 | Synthesis, structural and magnetic characterization of nanocrystalline CuFe ₂ O ₄ as obtained by a combined method reactive milling, heat treatment and ball milling. <i>Ceramics International</i> , 2012 , 38, 1951-1957 | 5.1 | 19 |
| 382 | Influence of wet milling conditions on the structural and magnetic properties of Ni ₃ Fe nanocrystalline intermetallic compound. <i>Intermetallics</i> , 2011 , 19, 19-25 | 3.5 | 19 |
| 381 | X-ray absorption spectroscopy and magnetic circular x-ray dichroism in. <i>Journal of Physics Condensed Matter</i> , 1996 , 8, 2437-2446 | 1.8 | 19 |
| 380 | ¹⁵⁵ Gd Mössbauer effects studies and magnetic properties of GdFe ₁₁ Ti and GdFe ₁₁ TiH. <i>Journal of Magnetism and Magnetic Materials</i> , 1998 , 189, 47-54 | 2.8 | 19 |
| 379 | Magnetic properties and magnetic structure of HoFe ₁₁ Ti and its hydrides. <i>Journal of Alloys and Compounds</i> , 1998 , 265, 1-5 | 5.7 | 19 |
| 378 | Structure and magnetism in RNi _{1-x} Cu _x Al (R = Er, Dy) compounds. <i>Journal of Alloys and Compounds</i> , 2006 , 408-412, 155-157 | 5.7 | 19 |
| 377 | A magnetic and Mössbauer spectral study of the spin reorientation in NdFe ₁₁ Ti and NdFe ₁₁ TiH. <i>Journal of Applied Physics</i> , 2004 , 95, 6308-6316 | 2.5 | 19 |
| 376 | Synthesis of the Superalloy Powders by Mechanical Alloying. <i>Journal of Materials Science</i> , 2004 , 39, 5305-5309 | 4.3 | 19 |
| 375 | Magnetic and Mössbauer spectral properties of DyFe ₁₁ Ti and DyFe ₁₁ TiH. <i>Journal of Magnetism and Magnetic Materials</i> , 2003 , 265, 156-166 | 2.8 | 19 |
| 374 | Structural study and magnetic characterization of Th ₂ Fe ₁₇ D ₅ , Th ₂ Fe ₁₇ C _x H _{5-x} and Th ₂ Fe ₁₇ N ₃ . <i>Journal of Physics Condensed Matter</i> , 1993 , 5, 5481-5490 | 1.8 | 19 |
| 373 | Structural, magnetic and thermal characterization of amorphous FINEMET powders prepared by wet mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2015 , 626, 49-55 | 5.7 | 18 |

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| 372 | Structural and magnetic properties of nanocrystalline NiFeCuMo powders produced by wet mechanical alloying. <i>Journal of Alloys and Compounds</i> , 2011 , 509, 3632-3637 | 5.7 | 18 |
| 371 | Magnetic and crystal structures of the one-dimensional ferromagnetic chain pyroxene NaCrGe ₂ O ₆ . <i>Physical Review B</i> , 2009 , 80, | 3.3 | 18 |
| 370 | Pressure-induced changes in the structural and magnetic properties of YFe ₂ D ₄ . <i>Physical Review B</i> , 2011 , 84, | 3.3 | 18 |
| 369 | Magnetic properties of Fe ₂ P-type R ₆ CoTe ₂ compounds (R=GdEr). <i>Journal of Solid State Chemistry</i> , 2010 , 183, 1314-1325 | 3.3 | 18 |
| 368 | Relation between crystal structure and physical properties of R _{n+1} M _{5+3n} B _{2n} phases. <i>Journal of Alloys and Compounds</i> , 2007 , 442, 22-28 | 5.7 | 18 |
| 367 | Ce-valence state and hydrogen-induced volume effects in Ce-based intermetallic compounds and their hydrides. <i>Journal of Alloys and Compounds</i> , 2005 , 404-406, 144-149 | 5.7 | 18 |
| 366 | Structural and magnetic properties of hexagonal DyCo ₄ M compounds (M = Al,Ga). <i>Journal of Physics Condensed Matter</i> , 2003 , 15, 8327-8337 | 1.8 | 18 |
| 365 | Magnetic ordering induced by the hydrogenation of the ternary stannide CeNiSn. <i>Journal of Magnetism and Magnetic Materials</i> , 2004 , 272-276, 576-578 | 2.8 | 18 |
| 364 | Structural features of new rare earth-based mixed anions (O, S, F) compounds: relationships between optical absorption and rare earth environment. <i>Solid State Sciences</i> , 2002 , 4, 1471-1479 | 3.4 | 18 |
| 363 | A magnetic and Mössbauer spectral study of PrFe ₁₁ Ti and PrFe ₁₁ TiH. <i>Journal of Alloys and Compounds</i> , 2004 , 377, 1-7 | 5.7 | 18 |
| 362 | Interstitial insertion in R ₂ Fe ₁₇ , volume effects and their correlation with the magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 1995 , 140-144, 981-982 | 2.8 | 18 |
| 361 | Magnetic characterization and structural study of new ternary carbides: ThFe ₁₁ C _x (1.5). <i>Journal of Physics Condensed Matter</i> , 1992 , 4, 6367-6374 | 1.8 | 18 |
| 360 | Nanocrystalline/nanosized manganese substituted nickel ferrites [Ni _{1-x} Mn _x Fe ₂ O ₄] obtained by ceramic-mechanical milling route. <i>Ceramics International</i> , 2016 , 42, 4754-4763 | 5.1 | 17 |
| 359 | Influence of the heat treatment conditions on the formation of CuFe ₂ O ₄ from mechanical milled precursors oxides. <i>Journal of Thermal Analysis and Calorimetry</i> , 2012 , 110, 301-307 | 4.1 | 17 |
| 358 | Magnetic properties of nanocrystalline Ni ₃ Fe compacts prepared by spark plasma sintering. <i>Intermetallics</i> , 2013 , 35, 98-103 | 3.5 | 17 |
| 357 | Spin-Flop Transition and Magnetocaloric Effect through Disconnected Magnetic Blocks in Co ^{III} /Co ^{IV} Oxybromides. <i>Chemistry of Materials</i> , 2010 , 22, 3807-3816 | 9.6 | 17 |
| 356 | The influence of substituting Si for Co on the magnetic properties of PrCo ₅ . <i>Journal of Alloys and Compounds</i> , 2007 , 427, 5-10 | 5.7 | 17 |
| 355 | Helimagnetic order in the re-entrant ferromagnet Ce ₂ Fe _{15.3} Mn _{1.7} . <i>Journal of Applied Physics</i> , 2005 , 97, 113909 | 2.5 | 17 |

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