

Izabela M Sosnowska

List of Publications by Year in descending order

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115
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docs citations

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times ranked

4020
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Particle and crystallite size effects on the modulated structure of multiferroic CaMn ₇ O ₁₂ . Journal of Solid State Chemistry, 2013, 198, 392-398. | 2.9 | 4 |
| 20 | Beats in the Magnetic Modulation of Multiferroic CaMn ₇ O ₁₂ . Journal of the Physical Society of Japan, 2012, 81, 094708. | 1.6 | 14 |
| 21 | Monoclinic Deformation of Crystal Lattice of Bulk \pm -BiFeO ₃ : High Resolution Synchrotron Radiation Studies. Journal of the Physical Society of Japan, 2012, 81, 044604. | 1.6 | 23 |
| 22 | Helical screw type magnetic structure of the multiferroic CaMn ₇ O ₁₂ with low Cu-doping. Acta Crystallographica Section B: Structural Science, 2012, 68, 240-249. | 1.8 | 25 |
| 23 | Low-temperature evolution of the modulated magnetic structure in the ferroelectric antiferromagnet BiFeO ₃ . Physical Review B, 2011, 84, . | 3.2 | 55 |
| 24 | Does the modulated magnetic structure of BiFeO ₃ change at low temperatures?. Journal of Physics Condensed Matter, 2011, 23, 279501. | 1.8 | 3 |
| 25 | Structural and magnetic modulations in CaCu _x Mn ₇ O ₁₂ . Journal of Physics Condensed Matter, 2010, 22, 186001. | 1.8 | 21 |
| 26 | BiFeO ₃ Crystal Structure at Low Temperatures. Acta Physica Polonica A, 2010, 117, 296-301. | 0.5 | 81 |
| 27 | Modulation of atomic positions in CaCu _x Mn ₇ O ₁₂ (x= 0.1). Acta Crystallographica Section B: Structural Science, 2009, 65, 535-542. | 1.8 | 32 |
| 28 | Neutron scattering studies of BiFeO ₃ multiferroics: a review for microscopists. Journal of Microscopy, 2009, 236, 109-114. | 1.8 | 26 |
| 29 | Magnetization of Polycrystalline BiFeO ₃ in High Magnetic Fields. Journal of the Physical Society of Japan, 2008, 77, 103709. | 1.6 | 15 |
| 30 | Charge ordering in CaCu _x Mn ₇ O ₁₂ (x= 0.0 and 0.1) compounds. Journal of Physics Condensed Matter, 2008, 20, 104239. | 1.8 | 9 |
| 31 | Thermal Lattice Parameters Variation of CaCu _x Mn ₇ O ₁₂ Compounds with Trigonal Crystal Structure. Acta Physica Polonica A, 2008, 113, 1225-1230. | 0.5 | 1 |
| 32 | Microstructure Evolution and Grain Growth Kinetics in Annealed Nanocrystalline Chromium. Journal of Physical Chemistry C, 2007, 111, 5599-5604. | 3.1 | 12 |
| 33 | Anomalous thermal expansion in polycrystalline NdFeO ₃ studied by SR and X-ray diffraction. Nuclear Instruments & Methods in Physics Research B, 2007, 254, 149-152. | 1.4 | 15 |
| 34 | Atomic displacements in BiFeO ₃ as a function of temperature: neutron diffraction study. Acta Crystallographica Section B: Structural Science, 2007, 63, 537-544. | 1.8 | 163 |
| 35 | Modulation in Multiferroic BiFeO ₃ : Cycloidal, Elliptical or SDW?. Journal of the Physical Society of Japan, 2006, 75, 084718. | 1.6 | 37 |
| 36 | Comment on the paper "Nature of low-temperature phase transitions in CaMn ₇ O ₁₂ ". JETP Letters, 2006, 83, 221-221. | 1.4 | 3 |

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|----|---|-----|-----------|
| 37 | Nuclear ordering and excitations in. Journal of Magnetism and Magnetic Materials, 2006, 305, 186-190. | 2.3 | 17 |
| 38 | Phase coexistence in solid solutions. Journal of Solid State Chemistry, 2006, 179, 2443-2451. | 2.9 | 18 |
| 39 | Search for new modulations in the BiFeO ₃ structure: SR diffraction and Mössbauer studies. Solid State Communications, 2006, 140, 359-363. | 1.9 | 80 |
| 40 | Does the modulated magnetic structure of BiFeO ₃ change at low temperatures?. Journal of Physics Condensed Matter, 2006, 18, 2069-2075. | 1.8 | 61 |
| 41 | Spin reorientation and structural changes in NdFeO ₃ . Journal of Physics Condensed Matter, 2005, 17, 4605-4614. | 1.8 | 110 |
| 42 | Publisher's Note: Incommensurate magnetic structure of $\text{R}^{2+}\text{MnO}_2$ [Phys. Rev. B68, 172401 (2003)]. Physical Review B, 2004, 69, . | 3.2 | 0 |
| 43 | Charge ordering and anisotropic thermal expansion of the manganese perovskite CaMn ₇ O ₁₂ . Physica B: Condensed Matter, 2004, 344, 358-367. | 2.7 | 47 |
| 44 | Neutron Diffraction Study of the Magnetic Structure of $\text{R}^{\pm}\text{Mn}_2\text{O}_3$. ChemInform, 2004, 35, no. | 0.0 | 0 |
| 45 | Short and Long Range Magnetic Ordering in $\text{R}^{2+}\text{Mn}_2\text{O}_3$ "A Temperature Study". Journal of the Physical Society of Japan, 2004, 73, 3444-3447. | 1.6 | 22 |
| 46 | Phase separation in CaCu _x Mn _{7-x} O ₁₂ (x=0.38). Journal of Alloys and Compounds, 2004, 362, 218-223. | 5.5 | 5 |
| 47 | Neutron diffraction study of the magnetic structure of $\text{R}^{\pm}\text{Mn}_2\text{O}_3$. Journal of Alloys and Compounds, 2004, 362, 236-240. | 5.5 | 88 |
| 48 | Phase coexistence in annealed CaMn ₇ O ₁₂ . Solid State Communications, 2003, 126, 485-488. | 1.9 | 9 |
| 49 | Incommensurate magnetic structure of $\text{R}^{2+}\text{Mn}_2\text{O}_3$. Physical Review B, 2003, 68, . | 3.2 | 24 |
| 50 | Magnetic ordering in electrodeposited nanocrystalline chromium particles. Physical Review B, 2002, 66, . | 3.2 | 8 |
| 51 | Phase coexistence in the charge ordering transition in CaMn ₇ O ₁₂ . Journal of Physics Condensed Matter, 2002, 14, 5747-5753. | 1.8 | 52 |
| 52 | Magnetic order parameter in the perovskite system CaMn ₇ O ₁₂ . Applied Physics A: Materials Science and Processing, 2002, 74, s1731-s1733. | 2.3 | 12 |
| 53 | Crystal structure and spiral magnetic ordering of BiFeO ₃ doped with manganese. Applied Physics A: Materials Science and Processing, 2002, 74, s1040-s1042. | 2.3 | 293 |
| 54 | Modulated magnetic ordering in the Cu-doped pseudoperovskite system CaCu _x Mn _{3-x} Mn ₄ O ₁₂ . Journal of Physics Condensed Matter, 2002, 14, 1061-1065. | 1.8 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 55 | Possible deuterium positions in the high-temperature deuterated proton conductor $Ba_3Ca_{1+y}Nb_2\hat{a}^{\sim}yO_9\hat{a}^{\sim}\hat{f}$ studied by neutron and X-ray powder diffraction. <i>Journal of Alloys and Compounds</i> , 2001, 328, 226-230. | 5.5 | 33 |
| 56 | Neutron Diffraction Studies of the Crystal and Magnetic Structures of $BiMn_{1-x}Fe_xO_{3-3x}$ Solid Solutions. <i>Materials Science Forum</i> , 2001, 378-381, 616-620. | 0.3 | 10 |
| 57 | Neutron diffraction studies of the $Ba_3Ca_{1+y}Nb_2\hat{a}^{\sim}yO_9\hat{a}^{\sim}\hat{f}+xD_2O$ high-temperature proton conductor. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 864-865. | 2.7 | 6 |
| 58 | Investigations of crystal and magnetic structure of $BiMn_0.2Fe_0.8O_3$. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 576-577. | 2.7 | 23 |
| 59 | SANS study of magnetic phase transitions in $CaMn_7O_{12}$. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 547-548. | 2.7 | 18 |
| 60 | Magnetic ordering in the manganese perovskite $CaMn_7O_{12}$. <i>Solid State Communications</i> , 1999, 111, 687-692. | 1.9 | 48 |
| 61 | Neutron scattering in proton conducting perovskite-oxides. <i>Solid State Ionics</i> , 1999, 119, 261-268. | 2.7 | 3 |
| 62 | Neutrons and synchrotron X-rays in materials science. <i>Journal of Alloys and Compounds</i> , 1999, 286, 174-179. | 5.5 | 2 |
| 63 | Domain size effects in neutron and SR powder diffraction studies of some oxides. <i>Journal of Alloys and Compounds</i> , 1999, 286, 180-183. | 5.5 | 3 |
| 64 | Oxides: neutron and synchrotron X-ray diffraction studies. <i>Journal of Electron Microscopy</i> , 1999, 48, 681-687. | 0.9 | 5 |
| 65 | Very high resolution diffractometry at pulsed neutron sources. <i>Journal of Neutron Research</i> , 1997, 6, 149-160. | 1.1 | 4 |
| 66 | Single-crystal neutron diffraction study of Nd magnetic ordering in $NdFeO_3$ at low temperature. <i>Physical Review B</i> , 1997, 55, 11432-11441. | 3.2 | 79 |
| 67 | Structure and dynamics of the opal silica-water system. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 455-457. | 2.7 | 6 |
| 68 | Determination of the Fe/Sn atoms distribution in $BaSn_2Fe_4O_{11}$ by neutron and synchrotron radiation diffraction. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 931-933. | 2.7 | 3 |
| 69 | Neutron diffraction studies of the Fe^{3+} magnetic moments arrangements in the spin-glass systems $BaTi_2Fe_4O_{11}$ and $BaSn_2Fe_4O_{11}$. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 934-936. | 2.7 | 2 |
| 70 | Investigation of the atomic arrangement in the high-temperature proton conductor $Ba_3Ca_{1.18}Nb_{1.82}O_9\hat{a}^{\sim}\hat{f} + yD_2O$. <i>Physica B: Condensed Matter</i> , 1997, 234-236, 937-939. | 2.7 | 7 |
| 71 | A modulated magnetic structure in $CaMn_7O_{12}$. <i>Physica B: Condensed Matter</i> , 1997, 241-243, 730-732. | 2.7 | 9 |
| 72 | Magnetic moment ordering of Nd^{3+} and Fe^{3+} in $NdFeO_3$ at low temperature. <i>Journal of Magnetism and Magnetic Materials</i> , 1996, 160, 370-371. | 2.3 | 21 |

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|----|--|-----|-----------|
| 73 | Neutron diffraction studies of the crystal and magnetic structure of BaTi ₂ Fe ₄ O ₁₁ . Journal of Magnetism and Magnetic Materials, 1996, 160, 382-383. | 2.3 | 3 |
| 74 | Neutron diffraction studies of the crystal and magnetic structures of BiFeO ₃ and Bi _{0.93} La _{0.07} FeO ₃ . Journal of Magnetism and Magnetic Materials, 1996, 160, 384-385. | 2.3 | 132 |
| 75 | Thirty years of magnetic neutron diffraction at pulsed neutron sources. Neutron News, 1996, 7, 24-27. | 0.2 | 2 |
| 76 | Neutron-diffraction studies of the crystal structure of CaNdAlO ₄ . Physica B: Condensed Matter, 1995, 213-214, 417-419. | 2.7 | 5 |
| 77 | Neutron-diffraction studies of the crystal and magnetic structure of BaSn ₂ Fe ₄ O ₁₁ . Physica B: Condensed Matter, 1995, 213-214, 227-229. | 2.7 | 5 |
| 78 | Origin of the long period magnetic ordering in BiFeO ₃ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 167-168. | 2.3 | 179 |
| 79 | Temperature dependence of the magnetic excitation spectrum of Dy ₂ Fe ₁₄ B. Journal of Magnetism and Magnetic Materials, 1995, 140-144, 1053-1054. | 2.3 | 3 |
| 80 | Magnetic moment ordering of Nd ³⁺ ions in NdFeO ₃ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 2153-2154. | 2.3 | 31 |
| 81 | Crystal field excitations of NdFeO ₃ . Journal of Magnetism and Magnetic Materials, 1995, 140-144, 2151-2152. | 2.3 | 19 |
| 82 | Investigation of Crystal and Magnetic Structure of BiFeO ₃ Using Neutron Diffraction. Acta Physica Polonica A, 1994, 86, 629-631. | 0.5 | 21 |
| 83 | Searching for the Magnetic Spiral Arrangement in Bi _{0.7} La _{0.3} FeO ₃ . Materials Science Forum, 1993, 133-136, 683-686. | 0.3 | 25 |
| 84 | Neutron Diffraction Studies of Crystal Structure of BaTi ₂ Fe ₄ O ₁₁ . Materials Science Forum, 1993, 133-136, 677-682. | 0.3 | 2 |
| 85 | Searching for tunnelling effects in the low temperature phases of $\hat{\Gamma}^2$ -LiNH ₄ SO ₄ (LAS) by inelastic neutron scattering. Physica B: Condensed Matter, 1992, 180-181, 735-736. | 2.7 | 2 |
| 86 | Investigation of the unusual magnetic spiral arrangement in BiFeO ₃ . Physica B: Condensed Matter, 1992, 180-181, 117-118. | 2.7 | 146 |
| 87 | Exchange and crystal fields in R ₂ Fe ₁₄ B studied by inelastic neutron scattering (invited). Journal of Applied Physics, 1991, 70, 5967-5971. | 2.5 | 27 |
| 88 | Molecular fields in Gd ₂ Fe ₁₄ B determined from inelastic neutron scattering. Journal of Applied Physics, 1991, 69, 5593-5595. | 2.5 | 33 |
| 89 | Polymorphism of LiNH ₄ SO ₄ single crystals. Solid State Communications, 1990, 74, 1249-1251. | 1.9 | 18 |
| 90 | Ground-state multiplet of rare-earth 3+ ions in R ₂ Fe ₁₄ B investigated by inelastic neutron scattering. Physical Review B, 1990, 42, 3866-3876. | 3.2 | 29 |

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|-----|---|-----|-----------|
| 91 | Crystal and magnetic structure of the sulfur spinels $\text{Cu}_{0.45}\text{Co}_{0.55}\text{Cr}_2\text{S}_4 - x\text{Sex}$. Journal of Magnetism and Magnetic Materials, 1989, 80, 311-317. | 2.3 | 2 |
| 92 | Neutron diffraction refinement and high resolution X-ray study of crystal structure of LiND_4SO_4 (DLAS). Physica B: Condensed Matter, 1989, 156-157, 118-120. | 2.7 | 6 |
| 93 | SANS investigations of critical phenomena and phase separations: Two examples of blends with high and low molecular weights. Physica B: Condensed Matter, 1989, 156-157, 402-404. | 2.7 | 4 |
| 94 | Elastic and inelastic neutron scattering from LiNH_4SO_4 (LAS) and LiND_4SO_4 (DLAS) at low temperatures. Ferroelectrics, 1988, 80, 237-240. | 0.6 | 1 |
| 95 | Comments on the unusual magnetic structure of BiFeO_3 . Ferroelectrics, 1988, 79, 127-130. | 0.6 | 14 |
| 96 | SPIN-REORIENTATION IN NdFeO_3 AND THE MAGNETIC EXCITATION SPECTRUM OF Nd. Journal De Physique Colloque, 1988, 49, C8-921-C8-922. | 0.2 | 2 |
| 97 | Spin waves and local modes in the one-dimensional mixed antiferro-ferromagnet $\text{CsMn}_{0.89}\text{Fe}_{0.11}\text{Br}_3$. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 136, 360-363. | 0.9 | 0 |
| 98 | Reorientation phase transition in NdFeO_3 . Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1986, 136, 394-396. | 0.9 | 25 |
| 99 | Refinement of the crystal and magnetic structure of PrFeO_3 AT T = 8 K. Journal of the Less Common Metals, 1985, 111, 109-111. | 0.8 | 19 |
| 100 | Ac susceptibility of NdFeO_3 in the spin reorientation region. Solid State Communications, 1983, 48, 1007-1010. | 1.9 | 16 |
| 101 | Spiral magnetic ordering in bismuth ferrite. Journal of Physics C: Solid State Physics, 1982, 15, 4835-4846. | 1.5 | 1,507 |
| 102 | Temperature dependence of the crystal and magnetic structures of BiFeO_3 . Journal of Physics C: Solid State Physics, 1980, 13, 1931-1940. | 1.5 | 935 |
| 103 | Note on the energy resolution function of a triple-axis neutron spectrometer (TAS). Nuclear Instruments & Methods, 1979, 165, 357-358. | 1.2 | 0 |
| 104 | Quasi-Elastic Neutron Scattering Laws at Finite Concentrations of Elements Diffusing in a Crystal. Physica Status Solidi (B): Basic Research, 1979, 93, K39. | 1.5 | 3 |
| 105 | Nonlinear Equations of Correlated Jump Diffusion Derived in the Context of Hydrogen Migration in a Metal. Physica Status Solidi (B): Basic Research, 1979, 93, K167. | 1.5 | 1 |
| 106 | Secondary extinction in rotating single-crystal slabs. The Acta Crystallographica Section A, Crystal Physics, Diffractionoretical and General Crystallography, 1979, 35, 861-870. | 0.6 | 0 |
| 107 | Influence of the finite lifetime of hydrogen jump phase on the quasi-elastic neutron scattering by hydrogen in metals. Journal of Physics and Chemistry of Solids, 1979, 40, 915-922. | 4.0 | 2 |
| 108 | Neighbour Jumps of Hydrogen in Quasi-Elastic Neutron Scattering from PdH . Physica Status Solidi (B): Basic Research, 1978, 89, K29. | 1.5 | 4 |

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| 109 | Debye-Waller factor and thermal expansion of arsenic, antimony and bismuth. Journal of Physics C: Solid State Physics, 1978, 11, 1043-1051. | 1.5 | 45 |
| 110 | Thermal neutron scattering from a hydrogen-metal system in terms of a general multi-sublattice jump diffusion model ^I . Journal of Physics and Chemistry of Solids, 1977, 38, 741-746. | 4.0 | 50 |
| 111 | Thermal neutron scattering from a hydrogen-metal system in terms of a general multi-sublattice jump diffusion model ^{II} . Journal of Physics and Chemistry of Solids, 1977, 38, 747-750. | 4.0 | 6 |
| 112 | The motions of hydrogen impurities in δ -Palladium-hydride. Journal of Physics and Chemistry of Solids, 1976, 37, 1135-1139. | 4.0 | 112 |
| 113 | Mössbauer study of proton radiation effects in $\text{FeCl}_2 \cdot 4\text{H}_2\text{O}$. Radiation Effects, 1976, 30, 207-212. | 0.4 | 4 |
| 114 | Temperature factors of polycrystalline arsenic, antimony and bismuth in the low-temperature range. Journal of Physics C: Solid State Physics, 1975, 8, 1144-1146. | 1.5 | 7 |
| 115 | Anisotropic Diffusion of Hydrogen in Niobium Single Crystals. Physical Review Letters, 1971, 27, 1576-1577. | 7.8 | 26 |