

Andrzej Budziak

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Effects of electric field poling on structural, thermal, vibrational, dielectric and ferroelectric properties of Na _{0.5} Bi _{0.5} TiO ₃ single crystals. <i>Journal of Alloys and Compounds</i> , 2021, 854, 157227.	5.5	13
2	Determination of thermophysical and thermodynamic properties, of Ag-Mg alloys. <i>Materials Today Communications</i> , 2021, 29, 102946.	1.9	5
3	Comprehensive thermodynamic study of three Co(II)- and Fe(II)-based octacyanonitobates. <i>Physical Review B</i> , 2021, 104, .	3.2	0
4	Structural and physicochemical properties of silver-rich Ag-Al alloys. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2020, 68, 101739.	1.6	4
5	Structural and physical studies of the Ag-rich alloys from Ag-Li system. <i>Thermochimica Acta</i> , 2019, 673, 185-191.	2.7	9
6	Ternary LaNi _{4.75} Mn _{0.25} hydrogen storage alloys: Surface segregation, hydrogen sorption and thermodynamic stability. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 1760-1773.	7.1	25
7	Study on the sorption process on geological materials of long-lived radioactive isotopes ⁹⁰ Sr and ¹³⁷ Cs in model systems with the use of short-lived isotopes of ⁸⁵ Sr, ¹³⁴ Cs. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 316, 81-93.	1.5	4
8	Structural, thermal, dielectric and ferroelectric properties of K _{0.5} Bi _{0.5} TiO ₃ ceramics. <i>Journal of the European Ceramic Society</i> , 2018, 38, 567-574.	5.7	34
9	Calorimetric and XRD studies of Ag-rich alloys from Ag-Li system. <i>Journal of Alloys and Compounds</i> , 2018, 732, 210-217.	5.5	11
10	Investigation of Sediments Causing Damage to Water Meters in a Large Drinking Water Distribution System. <i>Acta Physica Polonica A</i> , 2018, 133, 296-301.	0.5	0
11	Polymorphism, structure and dynamics investigations of 4-cyano-3-fluorophenyl 4-n-octylbenzoate (8CFPB) liquid crystal. <i>Vibrational Spectroscopy</i> , 2017, 92, 119-126.	2.2	8
12	Magnetism of PrFeAsO parent compound for iron-based superconductors: Mössbauer spectroscopy study. <i>Journal of Alloys and Compounds</i> , 2017, 717, 350-355.	5.5	5
13	Fourier transform infrared spectroscopy and X-ray diffraction studies of the molecular motions and structure changes of liquid crystal N-P-(Ethoxybenzylidene) -propylaniline (EBPA). <i>Vibrational Spectroscopy</i> , 2017, 92, 62-69.	2.2	5
14	Structural, chemical and optical properties of SnO ₂ NPs obtained by three different synthesis routes. <i>Journal of Physics and Chemistry of Solids</i> , 2017, 107, 100-107.	4.0	17
15	Spectroscopic and positron lifetime measurements of hydrogenated single walled carbon nanohorns. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 2461-2467.	1.8	0
16	Structural and magnetic study of PrMn _{1-x} Fe _x O ₃ compounds. <i>Journal of Alloys and Compounds</i> , 2016, 687, 652-661.	5.5	15
17	Syntheses and properties of several metastable and stable hydrides derived from intermetallic compounds under high hydrogen pressure. <i>Applied Surface Science</i> , 2016, 388, 723-730.	6.1	3
18	Preparation and Electric Properties of Barium Zirconium Titanate Ceramic. <i>Ferroelectrics</i> , 2015, 485, 173-178.	0.6	4

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19	Impedance spectroscopy studies of SrMnO ₃ , BaMnO ₃ and Ba _{0.5} Sr _{0.5} MnO ₃ ceramics. Phase Transitions, 2014, 87, 1060-1072.	1.3	14
20	DOS Calculation for Stoichiometric and Oxygen Defected (Bi _{1/2} Na _{1/2})(Mn _{1/2} Nb _{1/2})O ₃ . Ferroelectrics, 2014, 463, 48-56.	0.6	9
21	Field induced changes in cycloidal spin ordering and coincidence between magnetic and electric anomalies in BiFeO ₃ multiferroic. Journal of Magnetism and Magnetic Materials, 2013, 342, 17-26.	2.3	19
22	Dielectric properties of BaTiO ₃ based materials with addition of transition metal ions with variable valence. IOP Conference Series: Materials Science and Engineering, 2013, 49, 012050.	0.6	11
23	X-ray studies of the smectic B phase of the 4-bromobenzylidene-4-alkoxyanilines. Phase Transitions, 2012, 85, 314-321.	1.3	14
24	Structural and magnetic transformations in NdMn ₂ H _x hydrides. Journal of Alloys and Compounds, 2012, 525, 175-183.	5.5	2
25	Low temperature measurements by infrared spectroscopy in CoFe ₂ O ₄ ceramic. Open Physics, 2012, 10, .	1.7	7
26	Influence of hydrogen on structural and magnetic properties of the hexagonal Laves phase HoMn ₂ . Journal of Magnetism and Magnetic Materials, 2012, 324, 735-741.	2.3	4
27	Chemical, Magnetic and X-Ray Diffraction Studies of the Sediments from Oil Field in Argentina. Acta Physica Polonica A, 2012, 121, 566-570.	0.5	0
28	Investigations of Low Temperature Phase Transitions in BiFeO ₃ Ceramic by Infrared Spectroscopy. Ferroelectrics, 2011, 417, 63-69.	0.6	8
29	Elastic Properties of Barium Zirconate Titanate Ceramics. Integrated Ferroelectrics, 2011, 123, 130-136.	0.7	7
30	The Electrical Properties of Ba _{1-y} Sr _y Zr _x Ti _{1-x} O ₃ Solid Solution. Ferroelectrics, 2011, 424, 36-41.	0.6	14
31	Influence of Axial Pressure on the Electrical Properties of Li _{0.06} Na _{0.94} NbO ₃ Ceramic. Integrated Ferroelectrics, 2011, 123, 87-95.	0.7	1
32	Microporous {[Ni(cyclam)] ₃ [W(CN) ₈] ₂ } _n affording reversible structural and magnetic conversions. Dalton Transactions, 2011, 40, 3067.	3.3	38
33	Structural and magnetic properties of C15 HoMn ₂ hydrides. Journal of Alloys and Compounds, 2011, 509, 1347-1354.	5.5	7
34	Humidity-Driven Reversible Transformation and Guest Inclusion in a Two-Dimensional Coordination Framework Tailored by Organic Polyamine Cation. Crystal Growth and Design, 2011, 11, 3866-3876.	3.0	25
35	Structural and magnetic transformations in HoMn ₂ H _x hydrides. Journal of Physics: Conference Series, 2011, 303, 012010.	0.4	0
36	Structural Evolution of Near-Surface Layers in NiTi Alloy Caused by an Ion Implantation. Acta Physica Polonica A, 2011, 120, 75-78.	0.5	4

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37	Critical behavior of two molecular magnets probed by complementary experiments. <i>Physical Review B</i> , 2010, 82, .	3.2	12
38	Positron Annihilation in Thermally Treated Co-Zr-V Metallic Glasses. <i>Materials Science Forum</i> , 2010, 666, 58-61.	0.3	0
39	Calorimetric and Positron Lifetime Measurements of Hydrogenated Carbon Nanocones. <i>Acta Physica Polonica A</i> , 2010, 117, 574-577.	0.5	4
40	X-ray studies on the crystalline E phase of the 4-alkyl-4'-isothiocyanatobiphenyl homologous series (BT, BT-10). <i>Liquid Crystals</i> , 2008, 35, 513-518.	2.2	39
41	Dielectric and XRD Investigation of Ferroelectric Liquid Crystal Composed of Banana-Shaped Achiral Molecules. <i>Molecular Crystals and Liquid Crystals</i> , 2008, 494, 11-20.	0.9	2
42	Synchrotron X-ray diffraction study of ErMn ₂ D ₂ . <i>Journal of Alloys and Compounds</i> , 2007, 437, 140-145.	5.5	8
43	Dielectric and X-ray Studies of Eleventh and Twelfth Members of Two Isothiocyanato Mesogenic Compounds. <i>Acta Physica Polonica A</i> , 2006, 110, 795-805.	0.5	21
44	Specific heat of TbMn ₂ (H,D) ₂ . <i>Physica B: Condensed Matter</i> , 2005, 355, 202-206.	2.7	12
45	Specific heat anomalies in RMn ₂ (H,D) _x hydrides. <i>Journal of Alloys and Compounds</i> , 2005, 404-406, 51-54.	5.5	6
46	Neutron diffraction studies of TbMn ₂ D _x and ErMn ₂ D ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 585-586.	2.3	6
47	Hydrogen induced structural and magnetic transformations in the hexagonal Laves phase ErMn ₂ . <i>Journal of Alloys and Compounds</i> , 2004, 368, 260-268.	5.5	15
48	A nuclear magnetic resonance study of SmMn ₂ H ₂ . <i>Journal of Alloys and Compounds</i> , 2002, 330-332, 361-364.	5.5	3
49	Structural and magnetic properties of TbMn ₂ H _x hydrides. <i>Journal of Alloys and Compounds</i> , 2002, 335, 48-58.	5.5	28
50	Structural and magnetic transformations in the GdMn ₂ H _x hydrides. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 238, 129-139.	2.3	22
51	Magnetic ordering in TbMn ₂ D ₂ . <i>Journal of Physics Condensed Matter</i> , 2001, 13, L871-L877.	1.8	10
52	Magnetic ordering of TbMn ₂ D ₂ - a nuclear magnetic resonance analysis. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 6115-6121.	1.8	2
53	Deuterium NMR in YMn ₂ D _x compounds. <i>Physical Review B</i> , 2001, 63, .	3.2	3
54	Hydrogen induced structural and magnetic transformation in the SmMn ₂ H ₂ compound. <i>Solid State Communications</i> , 1999, 111, 519-524.	1.9	14