

Andrzej Budziak

List of Publications by Year in descending order

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papers

553
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623734

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all docs

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docs citations

57
times ranked

607
citing authors

#	ARTICLE	IF	CITATIONS
1	X-ray studies on the crystalline E phase of the 4-alkyl-2-isothiocyanatobiphenyl homologous series ($n=10$). Liquid Crystals, 2008, 35, 513-518.	2.2	39
2	Microporous $\{[Ni(cyclam)]_3[W(CN)_8]_2\}_n$ affording reversible structural and magnetic conversions. Dalton Transactions, 2011, 40, 3067.	3.3	38
3	Structural, thermal, dielectric and ferroelectric properties of $K_{0.5}Bi_{0.5}TiO_3$ ceramics. Journal of the European Ceramic Society, 2018, 38, 567-574.	5.7	34
4	Structural and magnetic properties of $TbMn_2H_x$ hydrides. Journal of Alloys and Compounds, 2002, 335, 48-58.	5.5	28
5	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
6	Ternary $LaNi_{4.75}Mg_{0.25}$ hydrogen storage alloys: Surface segregation, hydrogen sorption and thermodynamic stability. International Journal of Hydrogen Energy, 2019, 44, 1760-1773.	7.1	25
7	Structural and magnetic transformations in the $GdMn_2H_x$ hydrides. Journal of Magnetism and Magnetic Materials, 2002, 238, 129-139.	2.3	22
8	Dielectric and X-ray Studies of Eleventh and Twelfth Members of Two Isothiocyanato Mesogenic Compounds. Acta Physica Polonica A, 2006, 110, 795-805.	0.5	21
9	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
10	Structural, chemical and optical properties of SnO_2 NPs obtained by three different synthesis routes. Journal of Physics and Chemistry of Solids, 2017, 107, 100-107.	4.0	17
11	Hydrogen induced structural and magnetic transformations in the hexagonal Laves phase $ErMn_2$. Journal of Alloys and Compounds, 2004, 368, 260-268.	5.5	15
12	Structural and magnetic study of $PrMn_1-xFe_xO_3$ compounds. Journal of Alloys and Compounds, 2016, 687, 652-661.	5.5	15
13	Hydrogen induced structural and magnetic transformation in the $SmMn_2H_2$ compound. Solid State Communications, 1999, 111, 519-524.	1.9	14
14	The Electrical Properties of $Ba_{1-y}Sr_yZr_xTi_{1-x}O_3$ Solid Solution. Ferroelectrics, 2011, 424, 36-41.	0.6	14
15	X-ray studies of the smectic B phase of the 4-bromobenzylidene-4-alkoxyanilines. Phase Transitions, 2012, 85, 314-321.	1.3	14
16	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
17	Effects of electric field poling on structural, thermal, vibrational, dielectric and ferroelectric properties of $Na_{0.5}Bi_{0.5}TiO_3$ single crystals. Journal of Alloys and Compounds, 2021, 854, 157227.	5.5	13
18	Specific heat of $TbMn_2(H,D)_2$. Physica B: Condensed Matter, 2005, 355, 202-206.	2.7	12

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19	Critical behavior of two molecular magnets probed by complementary experiments. <i>Physical Review B</i> , 2010, 82, .	3.2	12
20	Dielectric properties of BaTiO ₃ based materials with addition of transition metal ions with variable valence. <i>IOP Conference Series: Materials Science and Engineering</i> , 2013, 49, 012050.	0.6	11
21	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
22	Magnetic ordering in TbMn ₂ D ₂ . <i>Journal of Physics Condensed Matter</i> , 2001, 13, L871-L877.	1.8	10
23	DOS Calculation for Stoichiometric and Oxygen Defected (Bi _{1/2} Na _{1/2})(Mn _{1/2} Nb _{1/2})O ₃ . <i>Ferroelectrics</i> , 2014, 463, 48-56.	0.6	9
24	Structural and physical studies of the Ag-rich alloys from Ag-Li system. <i>Thermochimica Acta</i> , 2019, 673, 185-191.	2.7	9
25	Synchrotron X-ray diffraction study of ErMn ₂ D ₂ . <i>Journal of Alloys and Compounds</i> , 2007, 437, 140-145.	5.5	8
26	Investigations of Low Temperature Phase Transitions in BiFeO ₃ Ceramic by Infrared Spectroscopy. <i>Ferroelectrics</i> , 2011, 417, 63-69.	0.6	8
27	Polymorphism, structure and dynamics investigations of 4-cyano-3-fluorophenyl 4- <i>n</i> -octylbenzoate (8CFPB) liquid crystal. <i>Vibrational Spectroscopy</i> , 2017, 92, 119-126.	2.2	8
28	Elastic Properties of Barium Zirconate Titanate Ceramics. <i>Integrated Ferroelectrics</i> , 2011, 123, 130-136.	0.7	7
29	Structural and magnetic properties of C15 HoMn ₂ hydrides. <i>Journal of Alloys and Compounds</i> , 2011, 509, 1347-1354.	5.5	7
30	Low temperature measurements by infrared spectroscopy in CoFe ₂ O ₄ ceramic. <i>Open Physics</i> , 2012, 10, .	1.7	7
31	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
32	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
33	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
34	Fourier transform infrared spectroscopy and X-ray diffraction studies of the molecular motions and structure changes of liquid crystal N-P-(Ethoxybenzylidene) <i>p</i> -propylaniline (EBPA). <i>Vibrational Spectroscopy</i> , 2017, 92, 62-69.	2.2	5
35	Determination of thermophysical and thermodynamic properties, of Ag-Mg alloys. <i>Materials Today Communications</i> , 2021, 29, 102946.	1.9	5
36	Influence of hydrogen on structural and magnetic properties of the hexagonal Laves phase HoMn ₂ . <i>Journal of Magnetism and Magnetic Materials</i> , 2012, 324, 735-741.	2.3	4

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37	Preparation and Electric Properties of Barium Zirconium Titanate Ceramic. <i>Ferroelectrics</i> , 2015, 485, 173-178.	0.6	4
38	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
39	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
40	Calorimetric and Positron Lifetime Measurements of Hydrogenated Carbon Nanocones. <i>Acta Physica Polonica A</i> , 2010, 117, 574-577.	0.5	4
41	Structural Evolution of Near-Surface Layers in NiTi Alloy Caused by an Ion Implantation. <i>Acta Physica Polonica A</i> , 2011, 120, 75-78.	0.5	4
42	Deuterium NMR in YMn ₂ Dx compounds. <i>Physical Review B</i> , 2001, 63, .	3.2	3
43	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
44	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
45	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
46	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
47	Structural and magnetic transformations in NdMn ₂ H _x hydrides. <i>Journal of Alloys and Compounds</i> , 2012, 525, 175-183.	5.5	2
48	Influence of Axial Pressure on the Electrical Properties of Li _{0.06} Na _{0.94} NbO ₃ Ceramic. <i>Integrated Ferroelectrics</i> , 2011, 123, 87-95.	0.7	1
49	Positron Annihilation in Thermally Treated Co-Zr-V Metallic Glasses. <i>Materials Science Forum</i> , 2010, 666, 58-61.	0.3	0
50	Structural and magnetic transformations in HoMn ₂ H _x hydrides. <i>Journal of Physics: Conference Series</i> , 2011, 303, 012010.	0.4	0
51	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
52	Chemical, Magnetic and X-Ray Diffraction Studies of the Sediments from Oil Field in Argentina. <i>Acta Physica Polonica A</i> , 2012, 121, 566-570.	0.5	0
53	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
54	Comprehensive thermodynamic study of three Co(II)- and Fe(II)-based octacyanonioabates. <i>Physical Review B</i> , 2021, 104, .	3.2	0