

Andrzej Szewczyk

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4803936/publications.pdf>

Version: 2024-02-01

103
papers

1,130
citations

516710

16
h-index

454955

30
g-index

105
all docs

105
docs citations

105
times ranked

1305
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum versus classical nature of the low-temperature magnetic phase transition in TbAl_3BO_3 . Physical Review B, 2022, 105, .	3.23	1
2	Enhanced coercivity in SmCo_5 magnet subjected to hydrogen treatment. Journal of Alloys and Compounds, 2021, 866, 158272.	5.5	3
3	Magnetic properties of $\text{DyCr}_3(\text{BO}_3)_4$. Low Temperature Physics, 2020, 46, 697-703.	0.6	4
4	Comparative study of structural, optical and magnetic properties of Er^{3+} doped yttrium gallium borates. Results in Physics, 2020, 19, 103247.	4.1	3
5	Features of magnetic and magnetoelectric properties, H-T phase diagram of $\text{GdCr}_3(\text{BO}_3)_4$. Journal of Magnetism and Magnetic Materials, 2020, 512, 167010.	2.3	4
6	Two-valence band electron and heat transport in monocrystalline PbTe-CdTe solid solutions with Cd content up to 10 atomic percent. Physical Review Materials, 2020, 4, .	2.4	3
7	Magnetic susceptibility and phase transitions in LiNiPO_4 . Physical Review B, 2019, 99, .	3.2	7
8	Effect of Ion (Ar^+) Irradiation on Cluster Magnetism and Magnetic Interactions in $\text{Fe}_{67}\text{Cr}_{18}\text{B}_{15}$ Amorphous Alloy. Physics of the Solid State, 2019, 61, 1727-1735.	0.6	1
9	Manifestation of Spin Correlations in Monocrystalline $\text{ErAl}_3(\text{BO}_3)_4$. Low Temperature Physics, 2019, 45, 1041-1045. Reversed exchange-bias effect associated with magnetization reversal in the weak ferrimagnet	0.6	2
10	Structural, magnetic, and magnetocaloric properties of LuF_eC_r . Journal of Applied Physics, 2018, 124, .	3.2	30
11	Structural, magnetic, and magnetocaloric properties of Fe_7Se_8 single crystals. Journal of Applied Physics, 2018, 124, .	2.5	15
12	Structural and magnetic properties of $\text{YAl}_3(\text{BO}_3)_4$ and $\text{EuAl}_3(\text{BO}_3)_4$ single crystals doped with Co^{2+} . Journal of Alloys and Compounds, 2018, 765, 710-720.	5.5	5
13	Role of the Cluster Structure of Amorphous $\text{Fe}_{67}\text{Cr}_{18}\text{B}_{15}$ Alloy in Magnetism and in the Changing of Electron Scattering Mechanisms under the Influence of Ion (Ar^+) Irradiation. Journal of Experimental and Theoretical Physics, 2018, 126, 784-801.	0.9	2
14	Experimental evidence for topological surface states wrapping around a bulk SnTe crystal. Physical Review B, 2017, 96, .	3.2	20
15	Rotational magnetocaloric effect in $\text{TbAl}_3(\text{BO}_3)_4$. Low Temperature Physics, 2017, 43, 631-635.	0.6	7
16	Thermal properties of the $\text{Nd}_{1-x}\text{Ca}_x\text{BaCo}_2\text{O}_{5.5}$ compositions ($0 \leq x \leq 0.2$). Journal of Alloys and Compounds, 2016, 670, 175-181.	5.5	5
17	Changes in cluster magnetism and suppression of local superconductivity in amorphous FeCrB alloy irradiated by Ar^+ ions. Journal of Magnetism and Magnetic Materials, 2016, 399, 192-198.	2.3	3
18	Heat capacity properties of quasi-one-dimensional magnet $\hat{1}^2\text{-TeVO}_4$. Low Temperature Physics, 2015, 41, 909-910.	0.6	1

#	ARTICLE	IF	CITATIONS
19	Low-temperature magnetic phase transition in aluminum borate TbAl ₃ (BO ₃) ₄ . Low Temperature Physics, 2015, 41, 534-536.	0.6	11
20	Evidence for Al doping in lithium sublattice of LiFePO ₄ . Solid State Ionics, 2015, 270, 33-38.	2.7	36
21	Electronic origin of the step-like character of the discharge curve for Na _x CoO _{2-y} cathode. Functional Materials Letters, 2014, 07, 1440009.	1.2	11
22	Stabilization of antiferromagnetic phase under hydrostatic pressure in layered perovskite cobaltites Nd _{1-x} CaxBaCo ₂ O _{5.5} (x = 0.06). Journal of Applied Physics, 2014, 116, 013903.	2.5	5
23	Correlation between electronic and electrochemical properties of Na _x CoO _{2-y} . Solid State Ionics, 2014, 268, 179-184.	2.7	9
24	Magnetic phase transition in KGd(WO ₄) ₂ double tungstate. Open Physics, 2013, 11, 394-396.	1.7	0
25	Boundaries of the critical state stability in a hard superconductor Nb ₃ Al in the H-T plane. Low Temperature Physics, 2013, 39, 329-337.	0.6	0
26	Thermal properties of layered cobaltites BaCo _R Mn ₂ O ₂	3.2	13
27	Phase transitions in TbMnO ₃ manganites. Low Temperature Physics, 2012, 38, 216-220.	0.6	16
28	Influence of Co Doping on Crystal and Magnetic Properties of Gd ₂ Cu ₂ In. Acta Physica Polonica A, 2012, 122, 216-219.	0.5	0
29	The magnetic properties of potassium holmium double tungstate. Low Temperature Physics, 2011, 37, 678-683.	0.6	2
30	Synthesis and oxygen content dependent properties of hexagonal DyMnO _{3+δ} . Journal of Solid State Chemistry, 2011, 184, 2306-2314.	2.9	25
31	Enhancement of local superconductivity in ferromagnetic FeCrB metallic glass by Ar ⁺ ion irradiation. Journal of Physics Condensed Matter, 2011, 23, 415702.	1.8	2
32	Phase transitions in single-crystalline magnetoelectric LiCoPO ₄ Mn ₄	3.2	15
33	The specific heat of potassium holmium double tungstate. Phase Transitions, 2011, 84, 944-951.	1.3	1
34	Crystalline Structure of Potassium Holmium Double Tungstate. Acta Physica Polonica A, 2011, 119, 835-837.	0.5	2
35	Specific Heat of the Monoclinic Rare Earth Double Tungstates. Journal of Low Temperature Physics, 2010, 160, 119-130.	1.4	2
36	Specific heat and magnetic order of La _{0.2} Ca _{0.8} MnO ₃ . Journal of Applied Physics, 2010, 107, 063907.	2.5	7

#	ARTICLE	IF	CITATIONS
37	Low-temperature anomalies in resistance and magnetoresistance of amorphous FeCrB ribbons. Coexistence of ferromagnetism and local superconductivity?. Journal of Physics Condensed Matter, 2010, 22, 296001.	1.8	4
38	Sensor of Current or Magnetic Field Based on Magnetoresistance Effect in $(La_{0.7}Ca_{0.3})_{0.8}Mn_{1.2}O_3$ Manganite Film. Solid State Phenomena, 2009, 154, 157-161.	0.3	5
39	Magnetic, electronic and thermodynamic properties of the heavy fermion compound $CeNiAl_4$. Intermetallics, 2009, 17, 603-606.	3.9	8
40	Magnetic and electronic properties of heavy fermion compound $CeCu_4In$ and valence fluctuating compound $CeNi_4In$. Journal of Alloys and Compounds, 2009, 481, 40-43.	5.5	6
41	Thermal properties of the monoclinic $KGd(PO_3)_3$, 2009, , .		0
42	Structural, Magnetic and Transport Properties of $NdBaCo_2O_{5+x}$ Thin Films Deposited by Magnetron Sputtering. Acta Physica Polonica A, 2009, 115, 89-91.	0.5	2
43	Thermal properties of monoclinic $KLu(WO_4)_2$ as a promising solid state laser host. Optics Express, 2008, 16, 5022.	3.4	47
44	The appearance of superconductivity in GaP and GaAs samples highly doped with Cr. Superconductor Science and Technology, 2008, 21, 065019.	3.5	12
45	Crystal structure and magnetic properties of potassium erbium double tungstate $KEr(WO_4)_2$. Journal of Physics Condensed Matter, 2007, 19, 056206.	1.8	14
46	Multiple magnetic phase transitions in $Tb_3Cu_4Si_4$. Journal of Physics Condensed Matter, 2007, 19, 246225.	1.8	12
47	Complex magnetic properties of $Ho_3Cu_4Sn_4$. Intermetallics, 2007, 15, 583-592.	3.9	16
48	The critical state instability in Nb_3Al : Experiment and simulation. Physica C: Superconductivity and Its Applications, 2007, 460-462, 768-769.	1.2	0
49	Anisotropic upper critical field of chemically substituted MgB_2 single crystals studied by torque magnetometry. Physica C: Superconductivity and Its Applications, 2007, 460-462, 616-617.	1.2	0
50	Magnetic phase diagram of the kagome staircase $Co_3V_2O_8$. Journal of Magnetism and Magnetic Materials, 2007, 310, 1306-1307.	2.3	3
51	Magnetic field-induced transitions in geometrically frustrated $Co_3V_2O_8$ single crystal. Physical Review B, 2006, 73, .	3.2	55
52	Comparison of pressure, magnetic-field, and excess manganese effects on transport properties of film and bulk ceramic $La_{1-x}Ca_x$ manganites. Low Temperature Physics, 2006, 32, 139-147.	0.6	4
53	Investigations of the stability of $[(tacn)_6Fe_8(\frac{1}{4}3-O)_2(\frac{1}{2}-OH)_{12}]Br_7(H_2O) \cdot 8H_2O$ (Fe_8) cluster in aqueous solution by spectroscopic and magnetic methods. Polyhedron, 2006, 25, 113-118.	2.2	7
54	Specific heat in $CeNi_4Cu$ and $YbNi_4Cu$. Journal of Physics Condensed Matter, 2006, 18, 3435-3441.	1.8	9

#	ARTICLE	IF	CITATIONS
55	Coexistence and competition of ferromagnetic and charge ordered phases in strained $\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$ films. <i>Journal of Magnetism and Magnetic Materials</i> , 2005, 290-291, 955-958.	2.3	5
56	Magnetic phase transitions in TbAuIn compound. <i>Solid State Communications</i> , 2005, 136, 26-31.	1.9	9
57	Specific heat of RNi_4Al ($R = \text{Y}, \text{Ce}, \text{Nd}$) compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, R40-R42.	1.5	6
58	Specific heat and phase diagram of heavily doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.45 \leq x \leq 1.0$). <i>Physical Review B</i> , 2005, 72, .	3.2	32
59	Specific heat anomalies in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.12 \leq x \leq 0.2$). <i>Physical Review B</i> , 2005, 71, .	3.2	67
60	Magnetic, thermodynamic, electronic, and transport properties of CeNi_4Al . <i>Physical Review B</i> , 2004, 70, .	3.2	38
61	Electric-field and current-induced metastability and resistivity relaxation in $\text{La}_{0.8}\text{Ca}_{0.2}\text{MnO}_3$ at low temperatures. <i>Physical Review B</i> , 2004, 70, .	3.2	62
62	Spin-dependent tunneling in dielectric LaSrMnO films with mesoscopic conducting clusters. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2004, 325, 79-85.	2.1	12
63	Atomic Order and the Interaction of Electronic and Magnetic Subsystems in Epitaxial $\text{LaSr}(\text{Ca})\text{MnO}$ Films. <i>Acta Physica Polonica A</i> , 2004, 105, 121-126.	0.5	1
64	$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ Thin-Film Grain-Boundary Junctions on a Bi-Crystal Substrate. <i>Acta Physica Polonica A</i> , 2004, 106, 715-719.	0.5	1
65	FMR and SMFMR investigation of epitaxial $\text{Fe}/\text{GaAs}(001)$ thin films with Si and Ge overlayer. <i>Journal of Magnetism and Magnetic Materials</i> , 2003, 260, 386-392.	2.3	13
66	Transport and magnetic properties of $\text{Nd}_{0.67}\text{Sr}_{0.33}\text{MnO}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ multilayers. <i>Physica Status Solidi A</i> , 2003, 196, 66-69.	1.7	0
67	Pinning induced magnetostriction in superconductive MgB_2 ceramics. <i>Physica Status Solidi A</i> , 2003, 196, 82-85.	1.7	0
68	FMR in the $\text{La}_{0.63}\text{Ca}_{0.27}\text{Mn}_{1.1}\text{O}_3$ film. <i>Physica Status Solidi A</i> , 2003, 196, 90-92.	1.7	0
69	Variety of LaSrMnO structures induced by growth conditions and laser irradiation. <i>Technical Physics</i> , 2003, 48, 250-256.	0.7	10
70	Ferromagnetic resonance in $(\text{La}_{0.7}\text{Ca}_{0.3})_{1-x}\text{Mn}_x\text{O}_3$ films. <i>Journal of Applied Physics</i> , 2003, 93, 2100-2106.	2.5	16
71	<title>Physical properties of potassium erbium double tungstate $\text{KEr}(\text{WO}_4)_2$ </title>, 2003, 5136, 109.		1
72	Structural, transport and magnetic characterization of $\text{Nd}_{1-x}\text{Mn}_x\text{O}_3/\text{YBa}_2\text{Cu}_3\text{O}_7$ heterostructures. <i>IEEE Transactions on Applied Superconductivity</i> , 2003, 13, 2853-2855.	1.7	2

#	ARTICLE	IF	CITATIONS
73	Direct and specific heat study of magnetocaloric effect in $\text{La}_{0.845}\text{Sr}_{0.155}\text{MnO}_3$. Journal of Applied Physics, 2003, 94, 1873-1876.	2.5	24
74	Heat capacity of then-InSe single crystal layered semiconductor. Journal of Applied Physics, 2002, 92, 5110-5112.	2.5	7
75	Conformal lattice of magnetic bubble domains in garnet film. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 772-774.	2.3	3
76	Thickness dependence of magnetic anisotropy and magnetoelastic constants in epitaxial Fe/GaAs (001) thin films. European Physical Journal D, 2002, 52, A169-A172.	0.4	7
77	Magnetic and Transport Properties of $\text{R}_3\text{Cu}_3\text{Sb}_4$ Compounds (R = La, Ce, Pr, Nd, and Sm). Acta Physica Polonica A, 2002, 102, 429-435.	0.5	3
78	Transport properties of doped (Sr,Ca) $_{10}\text{Cu}_7\text{O}_{29}$ single crystals under high hydrostatic pressure. Physica C: Superconductivity and Its Applications, 2000, 338, 291-297.	1.2	1
79	Magnetocaloric effect in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ for $x=0.13$ and 0.16 . Applied Physics Letters, 2000, 77, 1026.	3.3	149
80	Magnetostriction study of structural and magnetic transitions in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.1 < x < 0.2$). Journal of Applied Physics, 2000, 87, 3011-3017.	2.5	10
81	Manifestation of Spin-Glass-Like Behavior in the Organometallic Magnet. Acta Physica Polonica A, 2000, 97, 863-866.	0.5	0
82	<title>Magnetic and magnetotransport properties of epitaxial MBE-grown Co/Cu multilayers</title>., 1999, , .		1
83	Magnetic phase transition in $\text{MnCr}_2\text{-}2\text{xIn}_2\text{xS}_4$ crystals. Journal of Physics Condensed Matter, 1999, 11, 7907-7920.	1.8	10
84	Magnetization measurements on LHC superconducting strands. IEEE Transactions on Applied Superconductivity, 1999, 9, 1763-1766.	1.7	24
85	Magnetic structure of ground state of the $\text{KDy}(\text{WO}_4)_2$ single crystal. Journal of Magnetism and Magnetic Materials, 1999, 195, 119-124.	2.3	6
86	X-ray and magnetic study of epitaxial W/Gd/W and W/Tb/W thin films. Journal of Alloys and Compounds, 1999, 286, 333-336.	5.5	0
87	Magnetotransport phenomena in $\text{A}(\text{Mn}_{3-x}\text{Cu}_x)\text{Mn}_4\text{O}_{12}$ (A=Ca, Tb, Tm) perovskites. Physical Review B, 1998, 58, 14903-14907.	3.2	57
88	Specific heat and the cooperative Jahn-Teller effect in. Journal of Physics Condensed Matter, 1998, 10, 10539-10548.	1.8	5
89	Comparative Studies of Surface Roughness of Thin Epitaxial Si Films by Computer Simulations and Experimental X-Ray and Optical Methods. Acta Physica Polonica A, 1997, 91, 1025-1030.	0.5	3
90	Structure and Magnetism of MBE-Grown Co/Cu Multilayers. Acta Physica Polonica A, 1997, 91, 315-319.	0.5	2

#	ARTICLE	IF	CITATIONS
91	Two-step metamagnetic phase transition induced by a magnetic field parallel to the b-axis in DyFeO ₃ . Journal of Magnetism and Magnetic Materials, 1994, 129, 307-312.	2.3	5
92	Ground state of Er ³⁺ ions in ErNi ₅ as studied by high field magnetization. Physica B: Condensed Matter, 1992, 177, 291-294.	2.7	15
93	180° domain structure in a cubic U ₃ P ₄ crystal. Journal of Magnetism and Magnetic Materials, 1992, 110, 299-316.	2.3	3
94	Heat capacity of GdNi ₅ . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1319-1320.	2.3	10
95	High-field susceptibility and specific heat of Co-based amorphous ferromagnets. Journal of Magnetism and Magnetic Materials, 1992, 104-107, 113-114.	2.3	0
96	Temperature dependence of the domain wall energy in SmNi ₅ crystals. Journal of Magnetism and Magnetic Materials, 1990, 83, 241-242.	2.3	9
97	Domain structure in CuCr ₂ Se ₄ single crystals. Journal of Magnetism and Magnetic Materials, 1990, 83, 481-482.	2.3	4
98	Domain structure observed by means of the Kerr effect and oxygen cryocondensation methods in a U ₃ P ₄ crystal. Journal of Magnetism and Magnetic Materials, 1989, 81, 277-288.	2.3	2
99	DOMAIN STRUCTURE IN ISING FERROMAGNET SmNi ₅ . Journal De Physique Colloque, 1988, 49, C8-329-C8-330.	0.2	1
100	Domain structure on U ₃ P ₄ single crystals at low temperatures. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1985, 130, 548-550.	0.9	1
101	A new method of domain structure investigation at temperatures below 35K. Journal Physics D: Applied Physics, 1983, 16, 687-696.	2.8	12
102	A new method for the study of magnetic domains at low temperatures. Journal of Magnetism and Magnetic Materials, 1983, 31-34, 979-980.	2.3	2
103	Domain structure in garnet films near the phase transition from the homogeneous state to the domain state. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1982, 113, 113-117.	0.9	1