

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	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
2	Specific heat anomalies in $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.12 \leq x \leq 0.2$). Physical Review B, 2005, 71, .	3.2	67
3	Electric-field and current-induced metastability and resistivity relaxation in $\text{La}_{0.8}\text{Ca}_{0.2}\text{MnO}_3$ at low temperatures. Physical Review B, 2004, 70, .	3.2	62
4	Magnetotransport phenomena in $\text{A}(\text{Mn}_{3-x}\text{Cu}_x)\text{Mn}_4\text{O}_{12}$ ($\text{A}=\text{Ca}, \text{Tb}, \text{Tm}$) perovskites. Physical Review B, 1998, 58, 14903-14907.	3.2	57
5	Magnetic field-induced transitions in geometrically frustrated $\text{Co}_3\text{V}_2\text{O}_8$ single crystal. Physical Review B, 2006, 73, .	3.2	55
6	Thermal properties of monoclinic $\text{KLu}(\text{WO}_4)_2$ as a promising solid state laser host. Optics Express, 2008, 16, 5022.	3.4	47
7	Magnetic, thermodynamic, electronic, and transport properties of CeNi_4Al . Physical Review B, 2004, 70, .	3.2	38
8	Evidence for Al doping in lithium sublattice of LiFePO_4 . Solid State Ionics, 2015, 270, 33-38.	2.7	36
9	Specific heat and phase diagram of heavily doped $\text{La}_{1-x}\text{Sr}_x\text{MnO}_3$ ($0.45 \leq x \leq 1.0$). Physical Review B, 2005, 72, .	3.2	32
10	Reversed exchange-bias effect associated with magnetization reversal in the weak ferrimagnet LuFe_2O_7 . Physical Review B, 2005, 72, 104411.	3.2	30
11	Synthesis and oxygen content dependent properties of hexagonal DyMnO_3 . Journal of Solid State Chemistry, 2011, 184, 2306-2314.	2.9	25
12	Magnetization measurements on LHC superconducting strands. IEEE Transactions on Applied Superconductivity, 1999, 9, 1763-1766.	1.7	24
13	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
14	Experimental evidence for topological surface states wrapping around a bulk SnTe crystal. Physical Review B, 2017, 96, .	3.2	20
15	Ferromagnetic resonance in $(\text{La}_{0.7}\text{Ca}_{0.3})_{1-x}\text{Mn}_x\text{O}_3$ films. Journal of Applied Physics, 2003, 93, 2100-2106.	2.5	16
16	Complex magnetic properties of $\text{Ho}_3\text{Cu}_4\text{Sn}_4$. Intermetallics, 2007, 15, 583-592.	3.9	16
17	Phase transitions in TbMnO_3 manganites. Low Temperature Physics, 2012, 38, 216-220.	0.6	16
18	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

#	ARTICLE	IF	CITATIONS
19	Phase transitions in single-crystalline magnetoelectric LiCoPO $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2011, 84, .	3.2	15
20	Structural, magnetic, and magnetocaloric properties of Fe ₇ Se ₈ single crystals. Journal of Applied Physics, 2018, 124, .	2.5	15
21	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
22	FMR and SMFMR investigation of epitaxial Fe/GaAs(001) thin films with Si and Ge overlayer. Journal of Magnetism and Magnetic Materials, 2003, 260, 386-392.	2.3	13
23	Magnetic properties of layered cobaltites $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle R \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{BaCo} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle \text{O} \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:msub} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$	3.2	13
24	A new method of domain structure investigation at temperatures below 35K. Journal Physics D: Applied Physics, 1983, 16, 687-696.	2.8	12
25	Spin-dependent tunneling in dielectric LaSrMnO films with mesoscopic conducting clusters. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 325, 79-85.	2.1	12
26	Multiple magnetic phase transitions in Tb ₃ Cu ₄ Si ₄ . Journal of Physics Condensed Matter, 2007, 19, 246225.	1.8	12
27	The appearance of superconductivity in GaP and GaAs samples highly doped with Cr. Superconductor Science and Technology, 2008, 21, 065019.	3.5	12
28	Electronic origin of the step-like character of the discharge curve for $\langle \text{font} \rangle \text{Na} \langle \text{font} \rangle \langle \text{sub} \rangle x \langle \text{sub} \rangle \langle \text{font} \rangle \text{CoO} \langle \text{font} \rangle \langle \text{sub} \rangle 2-y \langle \text{sub} \rangle$ cathode. Functional Materials Letters, 2014, 07, 1440009.	1.2	11
29	Low-temperature magnetic phase transition in aluminum borate TbAl ₃ (BO ₃) ₄ . Low Temperature Physics, 2015, 41, 534-536.	0.6	11
30	Heat capacity of GdNi ₅ . Journal of Magnetism and Magnetic Materials, 1992, 104-107, 1319-1320.	2.3	10
31	Magnetic phase transition in MnCr _{2-2x} In _{2x} S ₄ crystals. Journal of Physics Condensed Matter, 1999, 11, 7907-7920.	1.8	10
32	Magnetostriction study of structural and magnetic transitions in La _{1-\hat{x}} Sr _x MnO ₃ (0.1 < x < 0.2). Journal of Applied Physics, 2000, 87, 3011-3017.	2.5	10
33	Variety of LaSrMnO structures induced by growth conditions and laser irradiation. Technical Physics, 2003, 48, 250-256.	0.7	10
34	Temperature dependence of the domain wall energy in SmNi ₅ crystals. Journal of Magnetism and Magnetic Materials, 1990, 83, 241-242.	2.3	9
35	Magnetic phase transitions in TbAuIn compound. Solid State Communications, 2005, 136, 26-31.	1.9	9
36	Specific heat in CeNi ₄ Cu and YbNi ₄ Cu. Journal of Physics Condensed Matter, 2006, 18, 3435-3441.	1.8	9

#	ARTICLE	IF	CITATIONS
37	Correlation between electronic and electrochemical properties of $\text{Na}_x\text{CoO}_2 \cdot y$. <i>Solid State Ionics</i> , 2014, 268, 179-184.	2.7	9
38	Magnetic, electronic and thermodynamic properties of the heavy fermion compound CeNiAl_4 . <i>Intermetallics</i> , 2009, 17, 603-606.	3.9	8
39	Heat capacity of then-InSe single crystal layered semiconductor. <i>Journal of Applied Physics</i> , 2002, 92, 5110-5112.	2.5	7
40	Thickness dependence of magnetic anisotropy and magnetoelastic constants in epitaxial Fe/GaAs (001) thin films. <i>European Physical Journal D</i> , 2002, 52, A169-A172.	0.4	7
41	Investigations of the stability of $\{[(\text{tacn})_6\text{Fe}_8(\frac{1}{4}3\text{-O})_2(\frac{1}{4}2\text{-OH})_{12}]\text{Br}_8 \cdot 8\text{H}_2\text{O}\}$ (Fe_8) cluster in aqueous solution by spectroscopic and magnetic methods. <i>Polyhedron</i> , 2006, 25, 113-118.	2.2	7
42	Specific heat and magnetic order of $\text{La}_{0.2}\text{Ca}_{0.8}\text{MnO}_3$. <i>Journal of Applied Physics</i> , 2010, 107, 063907.	2.5	7
43	Rotational magnetocaloric effect in $\text{TbAl}_3(\text{BO}_3)_4$. <i>Low Temperature Physics</i> , 2017, 43, 631-635.	0.6	7
44	Magnetic susceptibility and phase transitions in LiNiPO_4 . <i>Physical Review B</i> , 2019, 99, .	3.2	7
45	Magnetic structure of ground state of the $\text{KDy}(\text{WO}_4)_2$ single crystal. <i>Journal of Magnetism and Magnetic Materials</i> , 1999, 195, 119-124.	2.3	6
46	Specific heat of RNi_4Al ($\text{R} = \text{Y}, \text{Ce}, \text{Nd}$) compounds. <i>Physica Status Solidi (B): Basic Research</i> , 2005, 242, R40-R42.	1.5	6
47	Magnetic and electronic properties of heavy fermion compound CeCu_4In and valence fluctuating compound CeNi_4In . <i>Journal of Alloys and Compounds</i> , 2009, 481, 40-43.	5.5	6
48	Two-step metamagnetic phase transition induced by a magnetic field parallel to the b-axis in DyFeO_3 . <i>Journal of Magnetism and Magnetic Materials</i> , 1994, 129, 307-312.	2.3	5
49	Specific heat and the cooperative Jahn-Teller effect in. <i>Journal of Physics Condensed Matter</i> , 1998, 10, 10539-10548.	1.8	5
50	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
51	Sensor of Current or Magnetic Field Based on Magnetoresistance Effect in $(\text{La}_{0.7}\text{Ca}_{0.3})_{0.8}\text{Mn}_{1.2}\text{O}_3$ Manganite Film. <i>Solid State Phenomena</i> , 2009, 154, 157-161.	0.3	5
52	Stabilization of antiferromagnetic phase under hydrostatic pressure in layered perovskite cobaltites $\text{Nd}_{1-x}\text{Ca}_x\text{BaCo}_2\text{O}_{5.5}$ ($x \approx 0.06$). <i>Journal of Applied Physics</i> , 2014, 116, 013903.	2.5	5
53	Thermal properties of the $\text{Nd}_{1-x}\text{Ca}_x\text{BaCo}_2\text{O}_{5.5}$ compositions ($0 \leq x \leq 0.2$). <i>Journal of Alloys and Compounds</i> , 2016, 670, 175-181.	5.5	5
54	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+} . <i>Journal of Alloys and Compounds</i> , 2018, 765, 710-720.	5.5	5

#	ARTICLE	IF	CITATIONS
55	Domain structure in CuCr ₂ Se ₄ single crystals. Journal of Magnetism and Magnetic Materials, 1990, 83, 481-482.	2.3	4
56	Comparison of pressure, magnetic-field, and excess manganese effects on transport properties of film and bulk ceramic La ²⁺ Ca manganites. Low Temperature Physics, 2006, 32, 139-147.	0.6	4
57	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
58	Magnetic properties of DyCr ₃ (BO ₃) ₄ . Low Temperature Physics, 2020, 46, 697-703.	0.6	4
59	Features of magnetic and magnetoelectric properties, H-T phase diagram of GdCr ₃ (BO ₃) ₄ . Journal of Magnetism and Magnetic Materials, 2020, 512, 167010.	2.3	4
60	180Å° domain structure in a cubic U ₃ P ₄ crystal. Journal of Magnetism and Magnetic Materials, 1992, 110, 299-316.	2.3	3
61	Conformal lattice of magnetic bubble domains in garnet film. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 772-774.	2.3	3
62	Magnetic phase diagram of the kagome staircase Co ₃ V ₂ O ₈ . Journal of Magnetism and Magnetic Materials, 2007, 310, 1306-1307.	2.3	3
63	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
64	Comparative study of structural, optical and magnetic properties of Er ³⁺ doped yttrium gallium borates. Results in Physics, 2020, 19, 103247.	4.1	3
65	Enhanced coercivity in SmCo ₅ magnet subjected to hydrogen treatment. Journal of Alloys and Compounds, 2021, 866, 158272.	5.5	3
66	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
67	Magnetic and Transport Properties of R ₃ Cu ₃ Sb ₄ Compounds (R = La, Ce, Pr, Nd, and Sm). Acta Physica Polonica A, 2002, 102, 429-435.	0.5	3
68	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
69	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
70	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
71	Structural, transport and magnetic characterization of nd ₁ mno ₃ /yba ₂ cu ₃ o ₇ heterostructures. IEEE Transactions on Applied Superconductivity, 2003, 13, 2853-2855.	1.7	2
72	Specific Heat of the Monoclinic Rare Earth Double Tungstates. Journal of Low Temperature Physics, 2010, 160, 119-130.	1.4	2

#	ARTICLE	IF	CITATIONS
73	The magnetic properties of potassium holmium double tungstate. <i>Low Temperature Physics</i> , 2011, 37, 678-683.	0.6	2
74	Enhancement of local superconductivity in ferromagnetic FeCrB metallic glass by Ar ⁺ ion irradiation. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 415702.	1.8	2
75	Role of the Cluster Structure of Amorphous Fe ₆₇ Cr ₁₈ B ₁₅ Alloy in Magnetism and in the Changing of Electron Scattering Mechanisms under the Influence of Ion (Ar ⁺) Irradiation. <i>Journal of Experimental and Theoretical Physics</i> , 2018, 126, 784-801.	0.9	2
76	Manifestation of Spin Correlations in Monocrystalline ErAl ₃ (BO ₃) ₄ . <i>Low Temperature Physics</i> , 2019, 45, 1041-1045.	0.6	2
77	Structural, Magnetic and Transport Properties of NdBaCo ₂ O _{5+x} Thin Films Deposited by Magnetron Sputtering. <i>Acta Physica Polonica A</i> , 2009, 115, 89-91.	0.5	2
78	Crystalline Structure of Potassium Holmium Double Tungstate. <i>Acta Physica Polonica A</i> , 2011, 119, 835-837.	0.5	2
79	Structure and Magnetism of MBE-Grown Co/Cu Multilayers. <i>Acta Physica Polonica A</i> , 1997, 91, 315-319.	0.5	2
80	Domain structure in garnet films near the phase transition from the homogeneous state to the domain state. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1982, 113, 113-117.	0.9	1
81	Domain structure on U ₃ P ₄ single crystals at low temperatures. <i>Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics</i> , 1985, 130, 548-550.	0.9	1
82	Magnetic and magnetotransport properties of epitaxial MBE-grown Co/Cu multilayers. , 1999, , .		1
83	Transport properties of doped (Sr,Ca) ₁₀ Cu ₁₇ O ₂₉ single crystals under high hydrostatic pressure. <i>Physica C: Superconductivity and Its Applications</i> , 2000, 338, 291-297.	1.2	1
84	Physical properties of potassium erbium double tungstate KEr(WO ₄) ₂ . , 2003, 5136, 109.		1
85	The specific heat of potassium holmium double tungstate. <i>Phase Transitions</i> , 2011, 84, 944-951.	1.3	1
86	Heat capacity properties of quasi-one-dimensional magnet TeVO_4 . <i>Low Temperature Physics</i> , 2015, 41, 909-910.	0.6	1
87	Effect of Ion (Ar ⁺) Irradiation on Cluster Magnetism and Magnetic Interactions in Fe ₆₇ Cr ₁₈ B ₁₅ Amorphous Alloy. <i>Physics of the Solid State</i> , 2019, 61, 1727-1735.	0.6	1
88	DOMAIN STRUCTURE IN ISING FERROMAGNET SmNi ₅ . <i>Journal De Physique Colloque</i> , 1988, 49, C8-329-C8-330.	0.2	1
89	Atomic Order and the Interaction of Electronic and Magnetic Subsystems in Epitaxial LaSr(Ca)MnO Films. <i>Acta Physica Polonica A</i> , 2004, 105, 121-126.	0.5	1
90	La _{0.7} Sr _{0.3} 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

#	ARTICLE	IF	CITATIONS
91	Quantum versus classical nature of the low-temperature magnetic phase transition in Nb_3Al . Physical Review B, 2022, 105, .	3.23	0
92	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
93	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
94	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. Physica Status Solidi A, 2003, 196, 66-69.	1.7	0
95	Pinning induced magnetostriction in superconductive MgB_2 ceramics. Physica Status Solidi A, 2003, 196, 82-85.	1.7	0
96	FMR in the $\text{La}_{0.63}\text{Ca}_{0.27}\text{Mn}_{1.1}\text{O}_3$ film. Physica Status Solidi A, 2003, 196, 90-92.	1.7	0
97	The critical state instability in Nb_3Al : Experiment and simulation. Physica C: Superconductivity and Its Applications, 2007, 460-462, 768-769.	1.2	0
98	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
99	Thermal properties of the monoclinic $\text{KGd}(\text{PO}_3)_3$. , 2009, , .		0
100	Magnetic phase transition in $\text{KGd}(\text{WO}_4)_2$ double tungstate. Open Physics, 2013, 11, 394-396.	1.7	0
101	Boundaries of the critical state stability in a hard superconductor Nb_3Al in the H-T plane. Low Temperature Physics, 2013, 39, 329-337.	0.6	0
102	Manifestation of Spin-Glass-Like Behavior in the Organometallic Magnet. Acta Physica Polonica A, 2000, 97, 863-866.	0.5	0
103	Influence of Co Doping on Crystal and Magnetic Properties of $\text{Gd}_2\text{Cu}_2\text{In}$. Acta Physica Polonica A, 2012, 122, 216-219.	0.5	0