

Maria U Gutowska

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3881912/publications.pdf>

Version: 2024-02-01

59
papers

773
citations

567281

15
h-index

552781

26
g-index

59
all docs

59
docs citations

59
times ranked

994
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum versus classical nature of the low-temperature magnetic phase transition in $\text{TbAl}_3\text{(BO}_3)_4$. Physical Review B, 2022, 105, .	2.3	1
2	Magnetic properties of $\text{DyCr}_3(\text{BO}_3)_4$. Low Temperature Physics, 2020, 46, 697-703.	0.6	4
3	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
4	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
5	Magnetic susceptibility and phase transitions in LiNiPO_4 . Physical Review B, 2019, 99, .	3.2	7
6	Manifestation of Spin Correlations in Monocrystalline $\text{ErAl}_3(\text{BO}_3)_4$. Low Temperature Physics, 2019, 45, 1041-1045. <i>Reversed exchange bias effect associated with magnetization reversal in the weak ferrimagnet</i>	0.6	2
7	$\text{LuF}_e\text{O}_{0.5}\text{C}$	3.2	30
8	Structural, magnetic, and magnetocaloric properties of Fe_7Se_8 single crystals. Journal of Applied Physics, 2018, 124, .	2.5	15
9	Experimental evidence for topological surface states wrapping around a bulk SnTe crystal. Physical Review B, 2017, 96, .	3.2	20
10	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
11	Heat capacity properties of quasi-one-dimensional magnet $\text{R}^2\text{-TeVO}_4$. Low Temperature Physics, 2015, 41, 909-910.	0.6	1
12	Low-temperature magnetic phase transition in aluminum borate $\text{TbAl}_3(\text{BO}_3)_4$. Low Temperature Physics, 2015, 41, 534-536.	0.6	11
13	Electronic origin of the step-like character of the discharge curve for $\text{Na}_x\text{CoO}_{2-y}$ cathode. Functional Materials Letters, 2014, 07, 1440009.	1.2	11
14	Correlation between electronic and electrochemical properties of $\text{Na}_x\text{CoO}_2\text{-}y$. Solid State Ionics, 2014, 268, 179-184.	2.7	9
15	Magnetic phase transition in $\text{KGd}(\text{WO}_4)_2$ double tungstate. Open Physics, 2013, 11, 394-396.	1.7	0
16	Boundaries of the critical state stability in a hard superconductor Nb_3Al in the H - T plane. Low Temperature Physics, 2013, 39, 329-337. <i>Magnetic properties of layered cobaltates</i>	0.6	0
17	BaCo_2O_7	3.2	13
18	Microstructural magnetic phases in superconducting $\text{FeTe}_{0.65}\text{Se}_{0.35}$. Superconductor Science and Technology, 2012, 25, 065019.	3.5	39

#	ARTICLE	IF	CITATIONS
19	Influence of Co Doping on Crystal and Magnetic Properties of Gd_2Cu_2In . Acta Physica Polonica A, 2012, 122, 216-219.	0.5	0
20	The magnetic properties of potassium holmium double tungstate. Low Temperature Physics, 2011, 37, 678-683.	0.6	2
21	Phase transitions in single-crystalline magnetoelectric $LiCoPO_4$. Physical Review B, 2011, 84, .	3.2	15
22	The specific heat of potassium holmium double tungstate. Phase Transitions, 2011, 84, 944-951.	1.3	1
23	Crystalline Structure of Potassium Holmium Double Tungstate. Acta Physica Polonica A, 2011, 119, 835-837.	0.5	2
24	Specific Heat of the Monoclinic Rare Earth Double Tungstates. Journal of Low Temperature Physics, 2010, 160, 119-130.	1.4	2
25	Specific heat and magnetic order of $La_{0.2}Ca_{0.8}MnO_3$. Journal of Applied Physics, 2010, 107, 063907.	2.5	7
26	Magnetic, electronic and thermodynamic properties of the heavy fermion compound $CeNiAl_4$. Intermetallics, 2009, 17, 603-606.	3.9	8
27	Thermal properties of the monoclinic $KGd(PO_3)_4$. , 2009, , .		0
28	Magnetic properties of $TbPtGe_2$ in high magnetic field. Solid State Communications, 2008, 147, 313-316.	1.9	4
29	Thermal properties of monoclinic $KLu(WO_4)_2$ as a promising solid state laser host. Optics Express, 2008, 16, 5022.	3.4	47
30	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
31	Multiple magnetic phase transitions in $Tb_3Cu_4Si_4$. Journal of Physics Condensed Matter, 2007, 19, 246225.	1.8	12
32	Complex magnetic properties of $Ho_3Cu_4Sn_4$. Intermetallics, 2007, 15, 583-592.	3.9	16
33	The critical state instability in Nb_3Al : Experiment and simulation. Physica C: Superconductivity and Its Applications, 2007, 460-462, 768-769.	1.2	0
34	Magnetic phase diagram of the kagome staircase $Co_3V_2O_8$. Journal of Magnetism and Magnetic Materials, 2007, 310, 1306-1307.	2.3	3
35	Magnetic field-induced transitions in geometrically frustrated $Co_3V_2O_8$ single crystal. Physical Review B, 2006, 73, .	3.2	55
36	Specific heat in $CeNi_4Cu$ and $YbNi_4Cu$. Journal of Physics Condensed Matter, 2006, 18, 3435-3441.	1.8	9

#	ARTICLE	IF	CITATIONS
37	Magnetic phase transitions in TbAuIn compound. Solid State Communications, 2005, 136, 26-31.	1.9	9
38	Specific heat of RNi ₄ Al (R = Y, Ce, Nd) compounds. Physica Status Solidi (B): Basic Research, 2005, 242, R40-R42.	1.5	6
39	Specific heat and phase diagram of heavily doped La _{1-x} Sr _x MnO ₃ (0.45 ≤ x ≤ 1.0). Physical Review B, 2005, 72, .	3.2	32
40	Specific heat anomalies in La _{1-x} Sr _x MnO ₃ (0.12 ≤ x ≤ 0.2). Physical Review B, 2005, 71, .	3.2	67
41	Magnetic, thermodynamic, electronic, and transport properties of CeNi ₄ Al. Physical Review B, 2004, 70, .	3.2	38
42	Electric-field and current-induced metastability and resistivity relaxation in La _{0.8} Ca _{0.2} MnO ₃ at low temperatures. Physical Review B, 2004, 70, .	3.2	62
43	Direct and specific heat study of magnetocaloric effect in La _{0.845} Sr _{0.155} MnO ₃ . Journal of Applied Physics, 2003, 94, 1873-1876.	2.5	24
44	Heat capacity of then-InSe single crystal layered semiconductor. Journal of Applied Physics, 2002, 92, 5110-5112.	2.5	7
45	Conformal lattice of magnetic bubble domains in garnet film. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 772-774.	2.3	3
46	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
47	Spectacular Magneto-Related Properties of Complex Oxides. , 2001, , 205-221.		1
48	Magnetostriction study of structural and magnetic transitions in La _{1-x} Sr _x MnO ₃ (0.1 < x < 0.2). Journal of Applied Physics, 2000, 87, 3011-3017.	2.5	10
49	Preisach Maps of Multilayered Co/Cu Structures. Acta Physica Polonica A, 2000, 97, 467-470.	0.5	1
50	Manifestation of Spin-Glass-Like Behavior in the Organometallic Magnet. Acta Physica Polonica A, 2000, 97, 863-866.	0.5	0
51	<title>Magnetic and magnetotransport properties of epitaxial MBE-grown Co/Cu multilayers</title> . , 1999, , .		1
52	Specific heat and the cooperative Jahn-Teller effect in. Journal of Physics Condensed Matter, 1998, 10, 10539-10548.	1.8	5
53	Giant magnetostriction and magnetostriction jumps in superconducting single crystalline. Superconductor Science and Technology, 1997, 10, 786-793.	3.5	36
54	Magnetic Flux Density and Radial Distribution of Currents in HTSC Samples of Specific Shape Determined by Genetic Algorithm. Acta Physica Polonica A, 1997, 92, 259-262.	0.5	0

#	ARTICLE	IF	CITATIONS
55	Spectroscopic investigations of neodymium-doped BaLaGa3O7 single crystals. Journal of Luminescence, 1987, 36, 369-372.	3.1	18
56	Crystal field in ThGeO4 crystals. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1981, 111, 257-266.	0.9	8
57	Optical absorption spectra and crystal field parameters of dysprosium and erbium Germanates. Physica Status Solidi A, 1977, 40, 663-668.	1.7	19
58	Optical absorption of tetrahedral Co2+ in dysprosium aluminium garnet. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1976, 85, 127-130.	0.9	1
59	Optical spectrum of Cr3+ in the spinel LiGa5O8. Journal of Physics C: Solid State Physics, 1975, 8, 3937-3943.	1.5	46