

Andrzej Ąusakowski

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5411274/publications.pdf>

Version: 2024-02-01

50
papers

417
citations

933447

10
h-index

794594

19
g-index

50
all docs

50
docs citations

50
times ranked

420
citing authors

#	ARTICLE	IF	CITATIONS
1	New Mechanism of Exchange Interactions Controlled by Fermi Level Position. Physical Review Letters, 1996, 77, 3447-3450.	7.8	48
2	Electrons in a ferromagnetic metal with a domain wall. Physical Review B, 2002, 65, .	3.2	46
3	Spin Filtering in a Hybrid Ferromagnetic-Semiconductor Microstructure. Physical Review Letters, 2004, 93, 246601.	7.8	43
4	Effect of bulk inversion asymmetry on the Datta-Das transistor. Physical Review B, 2003, 68, .	3.2	38
5	Calculated electronic structure of $Pb_{1-x}Mn_xTe$. Physical Review B, 2002, 65, .	3.2	31
6	Magnetic contribution to the specific heat of $Pb_{1-x}Mn_xTe$. Physical Review B, 2002, 65, .	3.2	23
7	2D and 1D electron transport in hybrid ferromagnetic semiconductor microstructures. Physica E: Low-Dimensional Systems and Nanostructures, 2001, 10, 91-96.	2.7	14
8	Raman Spectroscopy of Co-Doped ZnO Bulk Crystals. Acta Physica Polonica A, 2007, 112, 363-368.	0.5	14
9	Alloy broadening of the transition to the nontrivial topological phase of $Pb_{1-x}Mn_xTe$. Physical Review B, 2018, 98, .	3.2	10
10	Magnetization of $Pb_{1-x}Mn_xTe$. Physical Review B, 2001, 64, .	3.2	10
11	Ground state splitting for the Mn^{2+} ion in $PbMnTe$ compounds. Physical Review B, 2005, 71, .	3.2	9
12	Ground state splitting of rare earth ions in semiconductors. Physical Review B, 2005, 72, .	3.2	9
13	Conductance spectra of (Nb, Pb, In)/NbP superconductor/Weyl semimetal junctions. Physical Review B, 2020, 101, .	3.2	9
14	Mixed-valence states in narrow-gap IV-VI semiconductors with rare-earth ions. Physical Review B, 1999, 59, 15190-15196.	3.2	8
15	Collective diffusion of $O/W(110)$ at high coverages: Monte Carlo simulations. Surface Science, 2004, 566-568, 210-215.	1.9	8
16	Magnetic contribution to the specific heat of $Pb_{1-x}Eu_xTe$ ($x=0.027, 0.073$). Physical Review B, 2006, 73, .	3.2	8
17	Transport and Magnetic Study of Gd Ions in $Pb_{1-y}SnyTe$. Acta Physica Polonica A, 1997, 92, 997-1000.	0.5	8
18	Model of magnetic anisotropy in disordered semimagnetic semiconductors. Solid State Communications, 2006, 137, 107-109.	1.9	6

#	ARTICLE	IF	CITATIONS
19	The magnetic contribution to the specific heat of $\text{Pb}_{1-x}\text{Gd}_x\text{Te}$. Journal of Physics Condensed Matter, 2009, 21, 265802.	1.8	6
20	DFT calculations of magnetic anisotropy energy of $\text{Ge}_1\text{Mn}_x\text{Te}$ ferromagnetic semiconductor. Journal of Physics Condensed Matter, 2015, 27, 226002.	1.8	6
21	Influence of Spin-Orbit Interaction on Band Structure and Elastic Properties of PbTe. Acta Physica Polonica A, 2009, 116, 954-955.	0.5	6
22	Magnetic Anisotropy in (Ge,Mn)Te Layers. Acta Physica Polonica A, 2015, 127, 404-406.	0.5	5
23	Magnetic anisotropy induced by crystal distortion in $\text{Ge}_{1-x}\text{Mn}_x\text{Te}/\text{PbTe}/\text{KCl}$ (001) ferromagnetic semiconductor layers. Journal of Applied Physics, 2015, 118, 113905.	2.5	4
24	Magnetic anisotropy energy in disordered $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$. Journal of Magnetism and Magnetic Materials, 2016, 401, 788-795.	2.3	4
25	Is the Magnetism of HgSe:Fe Clearly Understood?. Acta Physica Polonica A, 1995, 87, 193-196.	0.5	4
26	The influence of microscopic disorder on electron paramagnetic resonance spectra of Eu^{2+} ions in $\text{Pb}_{1-x}\text{Ge}_x\text{Te}$. Journal of Physics Condensed Matter, 2009, 21, 405802.	1.8	3
27	Angle-resolved photoemission study and pseudopotential calculations of GeTe and $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ band structure. Physics Procedia, 2010, 3, 1357-1362.	1.2	3
28	Magnetic Anisotropy in GeMnTe - ab initio Calculations. Acta Physica Polonica A, 2014, 126, 1177-1179.	0.5	3
29	On the Possible Origin of Large Value of Magnetic Anisotropy Constant in PbSnMnTe Mixed Crystals. Acta Physica Polonica A, 1993, 84, 829-831.	0.5	3
30	Correlation between Magnetic and Electronic Properties of $\text{Sn}_{1-x}\text{Gd}_x\text{Te}$. Acta Physica Polonica A, 1995, 87, 197-200.	0.5	3
31	Magnetic Interactions in IV-VI Diluted Magnetic Semiconductors. Physica Status Solidi (B): Basic Research, 2022, 259, .	1.5	3
32	Accumulation of spin and charge and transport properties of ferromagnets with domain walls. Physica Status Solidi A, 2003, 196, 177-180.	1.7	2
33	Influence of bulk inversion asymmetry on the Datta-Das transistor. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 21, 951-955.	2.7	2
34	Band structure and topological phases of $\text{Pb}_{1-x}\text{Mn}_x\text{Te}$ by <i>ab initio</i> calculations. Physical Review B, 2021, 103, .	3.2	2
35	Distance Dependence of the Mn-Mn Exchange Interaction in IV-VI Semimagnetic Semiconductors. Acta Physica Polonica A, 2003, 103, 659-664.	0.5	2
36	Magnetic Properties of $\text{Sn}_{1-x}\text{Gd}_x\text{Te}$ (0.002 $\leq x \leq$ 0.09). Acta Physica Polonica A, 1996, 90, 935-938.	0.5	2

#	ARTICLE	IF	CITATIONS
37	Chemical surface diffusion analysis by the time evolution of density profiles. The Monte Carlo simulations. <i>Vacuum</i> , 2001, 63, 127-133.	3.5	1
38	Diffusion and desorption processes in ordered (2 \times 2) lattice gas phase. <i>Surface Science</i> , 2002, 507-510, 150-154.	1.9	1
39	Magnetic Specific Heat of Heavily p-Type Doped (Zn,Mn)Te:P. <i>Journal of Superconductivity and Novel Magnetism</i> , 2003, 16, 91-93.	0.5	1
40	Domain growth in the interacting adsorbate: Nonsymmetric particle jump model. <i>Physical Review B</i> , 2007, 75, .	3.2	1
41	Ab initio studies of magnetic anisotropy energy in highly Co-doped ZnO. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 426, 479-482.	2.3	1
42	Magnetic Specific Heat of Pb _{1-x} EuxTe. <i>Acta Physica Polonica A</i> , 2004, 105, 631-636.	0.5	1
43	Low-Frequency Raman Spectrum of Bulk Zn _{0.984} Co _{0.016} O Crystal. <i>Acta Physica Polonica A</i> , 2009, 116, 103-106.	0.5	1
44	Free Carrier Concentration Dependence of Gd-Gd Exchange Constant in SnTe:Gd. <i>Acta Physica Polonica A</i> , 1995, 88, 1018-1022.	0.5	1
45	High Field Magnetization of Sn _{1-x} Gd _x Te. <i>Acta Physica Polonica A</i> , 1998, 94, 347-350.	0.5	1
46	The complex structure of Fe ²⁺ (3d ⁶) magnetism in HgSe \hat{y} Sy mixed crystals. <i>Physica B: Condensed Matter</i> , 1995, 211, 378-380.	2.7	0
47	Magnetic properties of Fe-based two-anion semimagnetic semiconductors. <i>Journal of Magnetism and Magnetic Materials</i> , 1995, 140-144, 2035-2036.	2.3	0
48	Analysis of Chemical Disorder in Pb _{1-x} Ge _x Te. <i>Acta Physica Polonica A</i> , 2008, 114, 1317-1322.	0.5	0
49	On the Possible Analogy between Spin-Glasses and Systems. <i>Acta Physica Polonica A</i> , 1992, 82, 620-622.	0.5	0
50	Possible Long Time Tails in Current-Current Correlation Function for Two-Dimensional Electron Gas in Random Magnetic Field. <i>Acta Physica Polonica A</i> , 1997, 92, 1109-1115.	0.5	0