

# Piotr Dziawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6789026/publications.pdf>

Version: 2024-02-01

58  
papers

1,419  
citations

686830

13  
h-index

329751

37  
g-index

58  
all docs

58  
docs citations

58  
times ranked

2151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular speciation analysis of oxidized metal surfaces by TOF SIMS. Applied Surface Science, 2022, 577, 151855.	3.1	2
2	Unit cell distortion and surface morphology diversification in a SnTe/CdTe(001) topological crystalline insulator heterostructure: influence of defect azimuthal distribution. Journal of Materials Chemistry C, 2022, 10, 3139-3152.	2.7	5
3	SIMS accurate determination of matrix composition of topological crystalline insulator material $Pb_{1-x}Sn_xSe$ . Surface and Interface Analysis, 2020, 52, 71-75.	0.8	3
4	Hydrostatic pressure influence on $T_C$ in $(Ga,Mn)As$ . Physical Review B, 2020, 101, .	0.8	3
5	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, .	0.9	3
6	Anisotropy of Selected Mechanical Properties of PbTe. Physica Status Solidi (B): Basic Research, 2019, 256, .	0.7	1
7	Fragility of the Dirac Cone Splitting in Topological Crystalline Insulator Heterostructures. ACS Nano, 2018, 12, 617-626.	7.3	7
8	Defect-free SnTe topological crystalline insulator nanowires grown by molecular beam epitaxy on graphene. Nanoscale, 2018, 10, 20772-20778.	2.8	9
9	The use of high-mass clusters to measure the TOF SIMS profiles of implanted bismuth. International Journal of Mass Spectrometry, 2017, 422, 143-145.	0.7	1
10	Robust spin-polarized midgap states at step edges of topological crystalline insulators. Science, 2016, 354, 1269-1273.	6.0	91
11	Efficient thermoelectric energy conversion in $Pb_{0.95}Mn_{0.05}Te$ p-n couple. Applied Physics Letters, 2016, 108, .	1.5	4
12	Direct observation and temperature control of the surface Dirac gap in a topological crystalline insulator. Nature Communications, 2015, 6, 8463.	5.8	49
13	Upconverting/magnetic: $Gd_2O_3:(Er^{3+}, Yb^{3+}, Zn^{2+})$ nanoparticles for biological applications: effect of $Zn^{2+}$ doping. RSC Advances, 2015, 5, 78361-78373.	1.7	33
14	Synchrotron radiation photoemission study of $Pb_{1-x}Cd_xTe$ crystal with local structure. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 132-135.	0.6	1
15	Electric and thermoelectric properties of CdTe/PbTe epitaxial nanocomposite. Functional Materials Letters, 2014, 07, 1440007.	0.7	1
16	Band inversion and the topological phase transition in $(Pb,Sn)Se$ . Physical Review B, 2014, 90, .	1.1	51
17	Observation of topological crystalline insulator surface states on (111)-oriented $Pb_{1-x}Sn_x$ films. Physical Review B, 2014, 89, .	1.1	51
18	Mn <sub>4</sub> Si <sub>7</sub> nano-inclusions in Mn-implanted Si. Radiation Physics and Chemistry, 2013, 93, 67-71.	1.4	1

#	ARTICLE	IF	CITATIONS
19	Spin-polarized (001) surface states of the topological crystalline insulator $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ . Physical Review B, 2013, 87, .	1.1	68
20	Novel ZnO/MgO/Fe <sub>2</sub> O <sub>3</sub> composite optomagnetic nanoparticles. Journal of Physics Condensed Matter, 2013, 25, 194105.	0.7	5
21	Magnetization Studies of Antiferromagnetic Interlayer Coupling in EuS-SrS Semiconductor Multilayers. Acta Physica Polonica A, 2013, 124, 133-136.	0.2	9
22	The Mechanism of Bi Nanowire Growth from Bi/Co Immiscible Composite Thin Films. Journal of Nanoscience and Nanotechnology, 2012, 12, 8624-8629.	0.9	5
23	Topological crystalline insulator states in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$ . Nature Materials, 2012, 11, 1023-1027.	13.3	693
24	Magnetic Fe doped ZnO nanofibers obtained by electrospinning. Journal of Sol-Gel Science and Technology, 2012, 61, 494-500.	1.1	34
25	Epitaxial Zinc-Blende CdTe Antidots in Rock-Salt PbTe Semiconductor Thermoelectric Matrix. Crystal Growth and Design, 2011, 11, 4794-4801.	1.4	20
26	Optical and structural properties of $\text{Pb}_{1-x}\text{Eu}_x\text{Te}/\text{CdTe}/\text{GaAs}$ (001) heterostructures grown by MBE. Journal of Crystal Growth, 2011, 323, 140-143.	0.7	4
27	Magnetic anisotropy of semiconductor (Ge,Mn)Te microstructures produced by laser and electron beam induced crystallization. Physica Status Solidi (B): Basic Research, 2011, 248, 1605-1608.	0.7	13
28	Bi catalyzed VLS growth of PbTe (001) nanowires. Journal of Crystal Growth, 2011, 318, 1105-1108.	0.7	13
29	Spin-glass behavior in Ni-doped $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ . Acta Physica Polonica A, 2010, 118, 244-248.	1.1	104
30	Photoemission Electronic Spectra of $\text{CdTe}/\text{Pb}_{0.95}\text{Eu}_{0.05}\text{Te}/\text{CdTe}$ . Acta Physica Polonica A, 2011, 120, 960-963.	0.2	1
31	Magnetic properties of nanocrystalline ZnO doped with MnO and CoO. Journal of Physics: Conference Series, 2010, 200, 072058.	0.3	7
32	Monocrystalline $\text{Cd}_{0.2}\text{Zn}_{0.8}\text{Te}$ solid solution obtained by self-selecting vapour growth. Crystal Research and Technology, 2010, 45, 895-898.	0.6	2
33	Defect Free PbTe Nanowires Grown by Molecular Beam Epitaxy on GaAs(111)B Substrates. Crystal Growth and Design, 2010, 10, 109-113.	1.4	18
34	Magnetic Nature of a Ni Dopant in $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ : Spin-Glass Behavior. Acta Physica Polonica A, 2010, 118, 244-248.	0.2	1
35	From Cuprate to Nickelate: Evolution of the Normal State Properties with Ni from $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ to $\text{La}_{1.85}\text{Sr}_{0.15}\text{NiO}_4$ . Acta Physica Polonica A, 2010, 118, 402-405.	0.2	3
36	Electronic structure of bulk ferromagnetic $\text{Ge}_{0.86}\text{Mn}_{0.14}\text{Te}$ . Radiation Physics and Chemistry, 2009, 78, S17-S21.	1.4	5

#	ARTICLE	IF	CITATIONS
37	Physical Properties of ZnCoO Tetrapods and Nanofibers. Acta Physica Polonica A, 2009, 116, 868-870.	0.2	2
38	Ferromagnetic Transition in $\text{Ge}_{1-x}\text{Mn}_x\text{Te}$ Layers. Acta Physica Polonica A, 2009, 116, 904-906.	0.2	9
39	Experimental and Theoretical Analysis of $\text{PbTe-CdTe}$ Solid Solution Grown by Physical Vapour Transport Method. Acta Physica Polonica A, 2009, 116, 959-961.	0.2	20
40	Magnetic Force Microscopy Study of $\text{Zn}_{1-x}\text{Co}_x\text{O}$ Nanowires Grown by Rapid Thermal Evaporation. Acta Physica Polonica A, 2009, 116, 865-867.	0.2	0
41	Studies of Diluted Magnetic Semiconductor $\text{Sn}_{1-x-y-z}\text{Ge}_x\text{Mn}_y\text{Gd}_z\text{Te}$ . Acta Physica Polonica A, 2009, 116, 911-912.	0.2	0
42	Deep impurity levels in vanadium-doped $\text{Pb}_{1-x}\text{Mn}_x\text{Te}$ solid solutions. Semiconductor Science and Technology, 2008, 23, 055004.	1.0	6
43	Resonant photoemission studies of $\text{Gd/PbGdTe}$ . Journal of Physics: Conference Series, 2008, 100, 072015.	0.3	1
44	Magnetic Properties of Epitaxial $(\text{Ge,Mn})\text{Te}$ Thin Films with Varying Crystal Stoichiometry. Acta Physica Polonica A, 2008, 114, 1159-1165.	0.2	10
45	Epitaxial Growth and Optical Properties of $\text{PbTe/CdTe}$ Semiconductor Heterostructures. Acta Physica Polonica A, 2008, 114, 1391-1396.	0.2	6
46	Fano Resonance Investigation of $\text{PbTe}$ Layers Containing Eu and Gd Ions. Acta Physica Polonica A, 2008, 114, 351-356.	0.2	1
47	Far-infrared phonon spectroscopy of $\text{Pb}_{1-x}\text{Mn}_x\text{Te}$ layers grown by molecular beam epitaxy. Journal of Alloys and Compounds, 2007, 438, 34-40.	2.8	1
48	Photoemission study of $(\text{PbEuGd})\text{Te}$ layers under Gd or Te atoms treatment. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 315-318.	0.8	2
49	Photoemission study of $\text{Ge}_{1-x}\text{Mn}_x\text{Eu}_y\text{Te}$ at Mn $3d$ and Eu $4f$ resonances. Journal of Electron Spectroscopy and Related Phenomena, 2007, 156-158, 319-322.	0.8	2
50	Magnetization study of interlayer exchange in semiconductor $\text{EuS/PbS}$ ferromagnetic wedge multilayers. Journal of Alloys and Compounds, 2006, 423, 212-214.	2.8	0
51	Ferromagnetic $(\text{Eu,Gd})\text{Te/PbTe}$ semiconductor heterostructures. Journal of Alloys and Compounds, 2006, 423, 208-211.	2.8	0
52	Resonant photoemission study of $\text{Eu}_{1-x}\text{Gd}_x\text{Te}$ layers. Applied Surface Science, 2006, 252, 5379-5383.	3.1	2
53	Interlayer Exchange Coupling in Semiconductor $\text{EuS-PbS}$ Ferromagnetic Wedge Multilayers. Acta Physica Polonica A, 2006, 110, 225-231.	0.2	2
54	Features of Energy Spectrum of $\text{Pb}_{1-x}\text{Mn}_x\text{Te}$ Doped with V. Acta Physica Polonica A, 2006, 110, 151-156.	0.2	0

#	ARTICLE	IF	CITATIONS
55	High-energy X-ray photoelectron spectroscopy study of MBE grown (Eu,Gd) Te layers. Nuclear Instruments & Methods in Physics Research B, 2005, 238, 346-352.	0.6	7
56	Structural and optical characterization of epitaxial layers of CdTe/PbTe grown on BaF <sub>2</sub> (111) substrates. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 1167-1171.	0.8	14
57	Fano Resonance of Eu <sup>2+</sup> and Eu <sup>3+</sup> in (Eu,Gd)Te MBE Layers. Acta Physica Polonica A, 2005, 108, 803-807.	0.2	0
58	(Eu,Gd)Te - MBE Growth and Characterization. Acta Physica Polonica A, 2004, 106, 215-221.	0.2	2