

Michal Szot

List of Publications by Year in descending order

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papers

946
citations

1039406

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40
docs citations

40
times ranked

1620
citing authors

#	ARTICLE	IF	CITATIONS
1	Topological crystalline insulator states in $\text{Pb}_{1-x}\text{Sn}_x\text{Se}$. <i>Nature Materials</i> , 2012, 11, 1023-1027.	13.3	693
2	Sodium intercalation in NaCoO_2 – Correlation between crystal structure, oxygen nonstoichiometry and electrochemical properties. <i>Solid State Ionics</i> , 2014, 262, 206-210.	1.3	23
3	Structure and magnetic properties of Si:Mn annealed under enhanced hydrostatic pressure. <i>Journal of Alloys and Compounds</i> , 2006, 423, 201-204.	2.8	20
4	Epitaxial Zinc-Blende CdTe Antidots in Rock-Salt PbTe Semiconductor Thermoelectric Matrix. <i>Crystal Growth and Design</i> , 2011, 11, 4794-4801.	1.4	20
5	Experimental evidence for topological surface states wrapping around a bulk SnTe crystal. <i>Physical Review B</i> , 2017, 96, .	1.1	20
6	Experimental and Theoretical Analysis of PbTe-CdTe Solid Solution Grown by Physical Vapour Transport Method. <i>Acta Physica Polonica A</i> , 2009, 116, 959-961.	0.2	20
7	PbSe/CdTe single quantum well infrared detectors. <i>AIP Advances</i> , 2017, 7, 035111.	0.6	10
8	CdTe -based crystals with Mg , Se , or Mn as materials for X and gamma ray detectors: Selected physical properties. <i>Progress in Crystal Growth and Characterization of Materials</i> , 2021, 67, 100543.	1.8	10
9	Photoemission spectra of frozen rock salt $\text{Pb}_{1-x}\text{Cd}_x\text{Te}$ crystal. <i>Journal of Electron Spectroscopy and Related Phenomena</i> , 2011, 184, 199-202.	0.8	9
10	Correlation between electronic and electrochemical properties of Na_xCoO_2 . <i>Solid State Ionics</i> , 2014, 268, 179-184.	1.3	9
11	Nanoscale morphology of multilayer PbTe/CdTe heterostructures and its effect on photoluminescence properties. <i>Nanotechnology</i> , 2015, 26, 135601.	1.3	9
12	The 1.1, 0.8 and 0.55–0.60 eV deep bands in detector-grade CdMnTe studied by photoluminescence spectroscopy. <i>Journal of Luminescence</i> , 2021, 231, 117833.	1.5	9
13	Magnetization Studies of Antiferromagnetic Interlayer Coupling in EuS-SrS Semiconductor Multilayers. <i>Acta Physica Polonica A</i> , 2013, 124, 133-136.	0.2	9
14	Investigation of $\text{Cd}_{1-x}\text{Mg}_x\text{Te}$ as possible materials for X and gamma ray detectors. <i>Journal of Crystal Growth</i> , 2018, 491, 73-76.	0.7	8
15	Novel Quaternary Dilute Magnetic Semiconductor $(\text{Ga,Mn})(\text{Bi,As})$: Magnetic and Magneto-Transport Investigations. <i>Journal of Superconductivity and Novel Magnetism</i> , 2017, 30, 825-829.	0.8	7
16	Semiconductor crystals based on CdTe with Se – Some structural and optical properties. <i>Journal of Crystal Growth</i> , 2018, 498, 405-410.	0.7	6
17	Electric field distribution around cadmium and tellurium inclusions within CdTe -based compounds. <i>Journal of Crystal Growth</i> , 2020, 533, 125486.	0.7	6
18	Epitaxial Growth and Optical Properties of PbTe/CdTe Semiconductor Heterostructures. <i>Acta Physica Polonica A</i> , 2008, 114, 1391-1396.	0.2	6

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19	Shallow Donor Magnetospectroscopy in MBE Grown CdTe Layers Doped with Indium and Iodine. <i>Physica Status Solidi (B): Basic Research</i> , 1998, 210, 783-786.	0.7	4
20	FIR photon energy independent intra-impurity transitions in uniformly iodine-doped CdTe/Cd _{1-x} Mg _x Te quantum well. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 609-612.	0.8	4
21	Optical and structural properties of Pb _{1-x} Eu _x Te/CdTe//GaAs (001) heterostructures grown by MBE. <i>Journal of Crystal Growth</i> , 2011, 323, 140-143.	0.7	4
22	Efficient thermoelectric energy conversion in Pb _{0.95} Mn _{0.05} Te p-n couple. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	4
23	Nernst-Ettingshausen effect at the trivial-nontrivial band ordering in topological crystalline insulator Pb _{1-x} Sn _x Se. <i>New Journal of Physics</i> , 2016, 18, 013047.	1.2	4
24	Internal electric field in (Cd,Mn)Te and (Cd,Mg)Te studied by the Pockels effect. <i>Journal of Crystal Growth</i> , 2019, 526, 125217.	0.7	4
25	Magnetic Properties of EuS/Co Multilayers on KCl and BaF ₂ Substrates. <i>Acta Physica Polonica A</i> , 2008, 114, 1397-1402.	0.2	4
26	Surface Recombination and Space-Charge-Limited Photocurrent-Voltage (PC-V) Measurements in (Cd,Mn)Te Samples – Kinetics of Photocurrent (PC). <i>Sensors</i> , 2022, 22, 2941.	2.1	4
27	Intra-impurity transitions in uniformly Iodine doped MBE CdTe/CdMgTe quantum well – with no energetic scaling. <i>AIP Conference Proceedings</i> , 2005, , .	0.3	3
28	Two-valence band electron and heat transport in monocrystalline PbTe-CdTe solid solutions with Cd content up to 10 atomic percent. <i>Physical Review Materials</i> , 2020, 4, .	0.9	3
29	Magnetic Properties of EuS-SrS Semiconductor Multilayer Structures. <i>Acta Physica Polonica A</i> , 2007, 112, 419-424.	0.2	3
30	Ternary Pb _{1-x} Cd _x Se films grown by molecular beam epitaxy on GaAs/ZnTe hybrid substrates. <i>Journal of Crystal Growth</i> , 2019, 507, 10-15.	0.7	2
31	Effect of Misfit Strain in (Ga,Mn)(Bi,As) Epitaxial Layers on Their Magnetic and Magneto-Transport Properties. <i>Acta Physica Polonica A</i> , 2016, 129, A-90-A-93.	0.2	2
32	Interlayer Exchange Coupling in Semiconductor EuS-PbS Ferromagnetic Wedge Multilayers. <i>Acta Physica Polonica A</i> , 2006, 110, 225-231.	0.2	2
33	Donor introduced into metal or nonmetal sublattice of MBE n-CdTe. <i>Physica B: Condensed Matter</i> , 2001, 302-303, 54-58.	1.3	1
34	Far infrared selective absorption in uniformly iodine doped MBE CdTe/CdMgTe quantum wells – with no energetic scaling. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2006, 3, 1201-1204.	0.8	1
35	Potential Fluctuations In 2D MBE CdTe/CdMgTe Quantum Well, Experimental Proof Of The Nature Of Fluctuations. <i>AIP Conference Proceedings</i> , 2007, , .	0.3	1
36	Electric and thermoelectric properties of CdTe/PbTe epitaxial nanocomposite. <i>Functional Materials Letters</i> , 2014, 07, 1440007.	0.7	1

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37	Nonstandard Absorption on Donors in Uniformly Doped II-VI OD Structures. Acta Physica Polonica A, 2007, 112, 237-241.	0.2	1
38	MOCVD n-InAs thin layers compared with MBE samples - far infrared magnetophotoconductivity. Physica Status Solidi C: Current Topics in Solid State Physics, 2003, 0, 644-647.	0.8	0
39	Photoemission study of 6H-SiC(0001) surface with deposited Mn atoms. Radiation Physics and Chemistry, 2009, 78, S25-S28.	1.4	0
40	The Nature of Potential Fluctuations in the MBE CdTe/CdMgTe Quantum Well in a Magnetic Field: Experiment and Theory. Acta Physica Polonica A, 2006, 110, 379-387.	0.2	0