

Arkadiusz Zarzycki

List of Publications by Year in descending order

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48
papers

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623574

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752573

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51
times ranked

658
citing authors

#	ARTICLE	IF	CITATIONS
1	Superparamagnetic Iron Oxide Nanoparticles Modified with Silica Layers as Potential Agents for Lung Cancer Treatment. <i>Nanomaterials</i> , 2020, 10, 1076.	1.9	50
2	Ordered FePdCu nanoisland arrays made by templated solid-state dewetting. <i>Nanotechnology</i> , 2015, 26, 425301.	1.3	29
3	From Kondo semiconductor to a singular non-Fermi liquid via a quantum critical point: The case of CeRhSb $1-x$ Snx. <i>Physical Review B</i> , 2005, 72, .	1.1	28
4	Investigation of the magnetic properties of Y ₂ Ru ₂ O ₇ by Ru ⁹⁹ Mössbauer spectroscopy. <i>Physical Review B</i> , 2006, 74, .	1.1	24
5	Effect of the template-assisted electrodeposition parameters on the structure and magnetic properties of Co nanowire arrays. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2016, 211, 75-84.	1.7	24
6	Magnetic transition from dot to antidot regime in large area Co/Pd nanopatterned arrays with perpendicular magnetization. <i>Nanotechnology</i> , 2017, 28, 085302.	1.3	24
7	Influence of Superparamagnetism on Exchange Anisotropy at CoO/[Co/Pd] Interfaces. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 28159-28165.	4.0	22
8	The influence of nanoporous anodic titanium oxide substrates on the growth of the crystalline hydroxyapatite coatings. <i>Materials Chemistry and Physics</i> , 2017, 186, 167-178.	2.0	21
9	Exchange Bias in the [CoO/Co/Pd] Antidot Large Area Arrays. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 33250-33256.	4.0	20
10	Magnetization Reversal Mechanism in Exchange-Biased Spring-like Thin-Film Composite. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 39926-39934.	4.0	19
11	Phase transitions in TbMnO ₃ manganites. <i>Low Temperature Physics</i> , 2012, 38, 216-220.	0.2	16
12	Chemical order and crystallographic texture of FePd:Cu thin alloy films. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	16
13	CuO-Ga ₂ O ₃ Thin Films as a Gas-Sensitive Material for Acetone Detection. <i>Sensors</i> , 2020, 20, 3142.	2.1	16
14	X-ray absorption fine structure and x-ray diffraction studies of crystallographic grains in nanocrystalline FePd:Cu thin films. <i>Journal of Applied Physics</i> , 2011, 109, .	1.1	14
15	Magnetic characteristics of CoPd and FePd antidot arrays on nanoporated Al ₂ O ₃ templates. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 400, 200-205.	1.0	14
16	Ion induced ferromagnetism combined with self-assembly for large area magnetic modulation of thin films. <i>Nanoscale</i> , 2019, 11, 8930-8939.	2.8	14
17	Determination of grain shape of laser-irradiated FePdCu thin alloy films. <i>Applied Surface Science</i> , 2014, 302, 129-133.	3.1	13
18	Tailoring of Magnetic Properties of NiO/Ni Composite Particles Fabricated by Pulsed Laser Irradiation. <i>Nanomaterials</i> , 2018, 8, 790.	1.9	12

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19	Mechanical Properties of Different Nanopatterned TiO ₂ Substrates and Their Effect on Hydrothermally Synthesized Bioactive Hydroxyapatite Coatings. <i>Materials</i> , 2020, 13, 5290.	1.3	10
20	Effect of the iron content on the structure and electrical properties of sodium borosilicate glasses: XRD, TEM, Mössbauer, FTIR and DIS spectroscopy study. <i>Journal of Non-Crystalline Solids</i> , 2020, 531, 119847.	1.5	9
21	Magnetic properties and electronic structure of R ₃ T ₄ X ₄ compounds (R=Pr, Nd; T=Cu, Ag; X=Ge, Sn). <i>Intermetallics</i> , 2007, 15, 1489-1496.	1.8	8
22	Magnetic order and crystal field in Dy ₂ Ru ₂ O ₇ and Yb ₂ Ru ₂ O ₇ . <i>Journal of Magnetism and Magnetic Materials</i> , 2011, 323, 1490-1494.	1.0	7
23	Perforated alumina templates as a tool for engineering of CoPd film magnetic properties. <i>Journal of Magnetism and Magnetic Materials</i> , 2019, 477, 182-189.	1.0	7
24	Orbital ordering in CaR_2X_4 compounds (R=Pr, Nd; X=Ge, Sn). <i>Physical Review B</i> , 2009, 80, .	1.1	6
25	Influence of GLAD Sputtering Configuration on the Crystal Structure, Morphology, and Gas-Sensing Properties of the WO ₃ Films. <i>Coatings</i> , 2020, 10, 1030.	1.2	6
26	Electronic structure and magnetic properties of RCuIn (R=La, Ce, Pr, Nd and Lu) compounds. <i>Journal of Alloys and Compounds</i> , 2007, 442, 279-281.	2.8	5
27	Magnetic properties of R ₃ Cu ₄ X ₄ (R=Tb, Er; X=Si, Ge, Sn) compounds. <i>Journal of Alloys and Compounds</i> , 2007, 442, 200-202.	2.8	5
28	Weak Antilocalization Tailor-Made by System Topography in Large Scale Bismuth Antidot Arrays. <i>Materials</i> , 2020, 13, 3246.	1.3	5
29	Magnetic phase transitions in compounds. <i>Journal of Magnetism and Magnetic Materials</i> , 2010, 322, 405-412.	1.0	4
30	Structural, magnetic and electronic transport studies of RAgSn ₂ compounds (R = Y, Tb, Dy, Ho and Er) with Cu ₃ Au-type. <i>Bulletin of Materials Science</i> , 2013, 36, 1247-1253.	0.8	4
31	Magnetic properties of the nanocrystalline DyMnO ₃ . <i>Phase Transitions</i> , 2016, 89, 319-327.	0.6	4
32	Electrical Transport and Magnetic Properties of Metal/Metal Oxide/Metal Junctions Based on Anodized Metal Oxides. <i>Materials</i> , 2021, 14, 2390.	1.3	4
33	Template-Assisted Iron Nanowire Formation at Different Electrolyte Temperatures. <i>Materials</i> , 2021, 14, 4080.	1.3	4
34	Magnetic Structure of RCuIn (R = Nd, Tb, Ho, Er). <i>Acta Physica Polonica A</i> , 2008, 113, 1185-1192.	0.2	4
35	Magnetoresistive Effects in Co/Pt-Based Perpendicular Synthetic Antiferromagnets. <i>IEEE Sensors Journal</i> , 2022, 22, 5588-5595.	2.4	4
36	Structure and magnetic properties of RE ₂ CuIn ₃ (RE=Ce, Pr, Nd, Sm and Gd). <i>Journal of Solid State Chemistry</i> , 2008, 181, 3223-3228.	1.4	3

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37	Magnetic Properties RNi ₅ Sn (R= Pr, Nd) Compounds. Acta Physica Polonica A, 2013, 123, 145.	0.2	3
38	Structural ordering of laser-processed FePdCu thin alloy films. Journal of Alloys and Compounds, 2015, 646, 773-779.	2.8	3
39	Structure and magnetic properties of Co/Pd multilayers prepared on porous nanotubular TiO ₂ substrate. Journal of Magnetism and Magnetic Materials, 2017, 434, 157-163.	1.0	3
40	Magnetotransport Properties of Semi-Metallic Bismuth Thin Films for Flexible Sensor Applications. Coatings, 2021, 11, 175.	1.2	3
41	Magnetic phase diagram of Tb _{3-x} Ho _x Cu ₄ Sn ₄ system. Journal of Magnetism and Magnetic Materials, 2012, 324, 1017-1020.	1.0	2
42	Influence of surface topography on RBS measurements: case studies of (Cu/Fe/Pd) multilayers and FePdCu alloys nanopatterned by self-assembly. Advances in Natural Sciences: Nanoscience and Nanotechnology, 2017, 8, 015004.	0.7	2
43	Influence of Cu Layer Thickness on Morphology and Magnetic Properties of Co/Cu Nanowires. Acta Physica Polonica A, 2018, 133, 302-305.	0.2	2
44	Magnetic properties of Tb _{3-x} Ho _x Cu ₄ Sn ₄ . Journal of Physics: Conference Series, 2010, 200, 032072.	0.3	1
45	Optical Diffraction Strain Sensor Prepared by Interference Lithography. Acta Physica Polonica A, 2018, 133, 309-312.	0.2	1
46	Investigation of Mild Steel Corrosion in the Cement Production Associated with the Usage of Secondary Fuels. International Journal of Corrosion, 2020, 2020, 1-17.	0.6	1
47	Investigation of Sediments Causing Damage to Water Meters in a Large Drinking Water Distribution System. Acta Physica Polonica A, 2018, 133, 296-301.	0.2	0
48	Physico-chemical properties of ceramic high-temperature superconductors with an approximate average radius of rare earth ion(-s) obtained by a solid-state synthesis reaction. , 2019, , .		0