

Pavlo Aleshkevych

List of Publications by Year in descending order

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1,086
citations

430442

18
h-index

525886

27
g-index

102
all docs

102
docs citations

102
times ranked

1356
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic, resonance and transport properties of nanopowder of La _{0.7} Sr _{0.3} MnO ₃ manganites. Journal of Magnetism and Magnetic Materials, 2010, 322, 3072-3079.	1.0	52
2	Possible spin-triplet superconducting phase in the $\text{La}_{0.7}\text{Mn}_{0.7}\text{O}_{2.7}$ Physical Review B, 2009, 80, .	1.1	49
3	Synthesis, structure, magnetic properties and EPR spectroscopy of a copper(II) coordination polymer with a ditopic hydrazone ligand and acetate bridges. Dalton Transactions, 2015, 44, 1782-1789.	1.6	48
4	Supramolecular Control over Molecular Magnetic Materials: β -Cyclodextrin-Templated Grid of Cobalt(II) Single-Ion Magnets. Inorganic Chemistry, 2014, 53, 12870-12876.	1.9	44
5	Microstructural magnetic phases in superconducting FeTe _{0.65} Se _{0.35} . Superconductor Science and Technology, 2012, 25, 065019.	1.8	39
6	Syntheses, crystal structures and magnetic studies of new copper(II) complexes of (E)-N ² -(phenyl(pyridin-2-yl)methylene)isonicotinohydrazide containing azide and SCN anions. Polyhedron, 2013, 63, 74-82.	1.0	34
7	Synthesis, structure and magnetic characterization of the first azido bridged heterotetranuclear chromium-sodium complex. Inorganic Chemistry Communication, 2013, 35, 172-175.	1.8	33
8	Magnetic anisotropy of epitaxial (Ga,Mn)As on Mn_{113} Physical Review B, 2010, 81, .	1.1	31
9	Single crystal EPR spectroscopy, magnetic studies and catalytic activity of a self-assembled [2 Å -2] CuII ₄ cluster obtained from a carbohydrazone based ligand. Polyhedron, 2015, 88, 48-56.	1.0	31
10	A dinuclear iron complex as a precatalyst for water oxidation under alkaline conditions. International Journal of Hydrogen Energy, 2021, 46, 29896-29904.	3.8	31
11	Structural and magnetic properties of $\text{La}_{1-x}\text{Pr}_x\text{MnO}_3$ ($0 \leq x \leq 1.0$). Physical Review B, 2006, 74, .	1.1	30
12	Synthesis, characterization and magnetic properties of a dinuclear oxidovanadium(IV) complex: Magneto-structural DFT studies on the effects of out-of-plane VOCH_3 angle. Polyhedron, 2017, 122, 194-202.	1.0	28
13	Optical and magnetic spectroscopy of rare-earth-doped yttrium aluminium borate (YAl ₃ (BO ₃) ₄) single crystals. Journal of Physics Condensed Matter, 2003, 15, 3323-3331.	0.7	26
14	Oxygen-Evolution Reaction by a Palladium Foil in the Presence of Iron. Inorganic Chemistry, 2021, 60, 5682-5693.	1.9	26
15	Role of Pt and PtO ₂ in the Oxygen-Evolution Reaction in the Presence of Iron under Alkaline Conditions. Inorganic Chemistry, 2022, 61, 613-621.	1.9	22
16	Temperature dependence of exchange bias in NiFe/FeMn bilayers. Physical Review B, 2010, 82, .	1.1	21
17	Surprisingly Low Reactivity of Layered Manganese Oxide toward Water Oxidation in Fe/Ni-Free Electrolyte under Alkaline Conditions. Inorganic Chemistry, 2022, 61, 2292-2306.	1.9	21
18	Ferromagnetic Resonance Revised – Electrodynamic Approach. Scientific Reports, 2017, 7, 5750.	1.6	20

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19	Synthesis, characterization, EPR spectroscopy and catalytic activity of a new oxidovanadium(IV) complex with N ₂ O ₂ -donor ligand. <i>Journal of Molecular Structure</i> , 2017, 1131, 258-265.	1.8	20
20	Finding the True Catalyst for Water Oxidation at Low Overpotential in the Presence of a Metal Complex. <i>Inorganic Chemistry</i> , 2022, 61, 3801-3810.	1.9	18
21	Ferromagnetic resonance in (La _{0.7} Ca _{0.3}) _{1-x} Mn _{1+x} O ₃ films. <i>Journal of Applied Physics</i> , 2003, 93, 2100-2106.	1.1	16
22	EPR of Nd ³⁺ and Er ³⁺ ions in aluminum borates YAl ₃ (BO ₃) ₄ and EuAl ₃ (BO ₃) ₄ . <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 326, 162-165.	1.0	16
23	Cubic anisotropy in (Ga,Mn)As layers: Experiment and theory. <i>Physical Review B</i> , 2018, 97, .	1.1	16
24	Anomalies of magnetic properties of layered crystals InSe containing Mn. <i>Materials Science and Engineering C</i> , 2007, 27, 1052-1055.	3.8	15
25	Electron paramagnetic resonance of Mn ²⁺ ions in single crystals of yttrium aluminum borate YAl ₃ (BO ₃) ₄ . <i>Physics of the Solid State</i> , 2007, 49, 463-466.	0.2	15
26	Structural, magnetic, and magnetocaloric properties of Fe ₇ Se ₈ single crystals. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	15
27	Surface and bulk spin-wave resonances in La _{0.7} Mn _{1.3} O ₃ films. <i>Journal of Physics Condensed Matter</i> , 2001, 13, 4049-4064.	0.7	14
28	Electron paramagnetic resonance of Gd ³⁺ ion in monocrystal YAl ₃ (BO ₃) ₄ . <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 2617-2621.	0.8	14
29	Low-dilution limit of Zn _{1-x} Mn _x GeAs ₂ : Electrical and magnetic properties. <i>Journal of Applied Physics</i> , 2013, 114, .	1.1	14
30	A highly efficient, enantioselective and recyclable mesoporous silica-based Mn(II) catalyst for asymmetric oxidation of thioanisole. <i>RSC Advances</i> , 2014, 4, 48827-48835.	1.7	14
31	A novel chiral manganese-tetraamide macrocycle complex covalently attached to magnetite as recyclable catalyst for aerobic asymmetric epoxidation of olefins. <i>Inorganica Chimica Acta</i> , 2017, 462, 142-151.	1.2	13
32	EPR of Yb ³⁺ ions in a monoclinic KY(WO ₄) ₂ single crystal. <i>European Physical Journal B</i> , 2007, 55, 389-395.	0.6	12
33	The ground state and EPR spectrum in monoclinic KY(WO ₄) ₂ :Nd ³⁺ single crystal. <i>Physica B: Condensed Matter</i> , 2008, 403, 3174-3178.	1.3	12
34	Spin-wave resonance in the La _{0.7} Mn _{1.3} O ₃ film. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2000, 268, 202-207.	0.9	11
35	Multifunctional iron and iron oxide nanoparticles in silica. <i>Materials Chemistry and Physics</i> , 2011, 130, 1026-1032.	2.0	11
36	EPR and Optical Spectra of Cobalt in SrLaAlO ₄ . <i>Physica Status Solidi (B): Basic Research</i> , 2000, 218, 521-526.	0.7	10

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37	Ferromagnetic linewidth measurements employing electrodynamic model of the magnetic plasmon resonance. <i>Measurement Science and Technology</i> , 2018, 29, 025501.	1.4	10
38	Structural, magnetic and spectral properties of tetrahedral cobalt(<i>II</i>) silanethiolates: a variety of structures and manifestation of field-induced slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 697-710.	1.6	10
39	Diluted magnetic semiconductors based on <i>II-VI</i> , <i>III-VI</i> , and <i>IV-VI</i> compounds. <i>Low Temperature Physics</i> , 2009, 35, 62-70.	0.2	9
40	Ferromagnetic resonance in Mn ₅ Ge ₃ epitaxial films with weak stripe domain structure. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 125001.	1.3	9
41	Rigorous broadband study of the intrinsic ferromagnetic linewidth of monocrystalline garnet spheres. <i>Scientific Reports</i> , 2019, 9, 9434.	1.6	9
42	Resonance and non-resonance microwave absorption in cobaltites. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L179-L186.	0.7	8
43	Influence of light on the antiferromagnetic-insulator-ferromagnetic-metal phase transition in Pr _{0.6} La _{0.1} Ca _{0.3} MnO ₃ thin films. <i>Low Temperature Physics</i> , 2004, 30, 948-955.	0.2	8
44	Dynamical effect in measurement of the exchange-bias field: A consequence of the slow-relaxer mechanism. <i>Physical Review B</i> , 2009, 80, .	1.1	8
45	Temperature-induced magnetic-anisotropy crossover in a Co/MgO/Co heterostructure. <i>Journal of Applied Physics</i> , 2009, 105, .	1.1	8
46	Ferromagnetic resonance and resonance modes in kagome lattices: From an open to a closed kagome structure. <i>Physical Review B</i> , 2016, 93, .	1.1	8
47	Thermal Evolution of Magnetic Interactions in Ni Nanowires Embedded in Polycarbonate Membranes by Ferromagnetic Resonance. <i>Acta Physica Polonica A</i> , 2009, 116, 1039-1043.	0.2	8
48	Magneto-optics of opal crystals modified by cobalt nanoparticles. <i>Lithuanian Journal of Physics</i> , 2010, 50, 7-15.	0.1	8
49	Magnetic anisotropy of Au/Co/Au/MgO heterostructure: Role of the gold at the Co/MgO interface. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	7
50	Synthesis and magneto-optic characterization of Cu-doped ZnO/MgO and ZnO/oleic acid core/shell nanoparticles. <i>RSC Advances</i> , 2016, 6, 44820-44825.	1.7	7
51	Magnetic anisotropy in geometrically frustrated kagome staircase lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2009, 321, 793-795.	1.0	6
52	Influence of a strontium-enriched intergranular cluster network on the electrical conductivity of In ₂ O ₃ -SrO ceramics. <i>Technical Physics</i> , 2013, 58, 1144-1151.	0.2	6
53	Magnetic anisotropy of La _{0.7} Sr _{0.3} MnO ₃ nanopowders. <i>Journal of Magnetism and Magnetic Materials</i> , 2013, 335, 11-16.	1.0	6
54	Magnetodynamic Study of Spin Resonances in Cylindrical and Spherical YIG Samples. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2018, 66, 803-812.	2.9	6

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55	Spin-current mediated exchange coupling in MgO-based magnetic tunnel junctions. Physical Review B, 2021, 103, .	1.1	6
56	Bulk and surface spin excitations in thin films of manganites. Physica Status Solidi (A) Applications and Materials Science, 2006, 203, 1586-1594.	0.8	5
57	Geometrically frustrated Kagome staircase lattice with chemical disorder. Journal of Non-Crystalline Solids, 2008, 354, 4186-4188.	1.5	5
58	The onset of ferromagnetism and superconductivity in $[\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3]_x(\text{YBa}_2\text{Cu}_3\text{O}_{7-x})_{1-x}$ Tj ETQq0	0.7	2
59	EPR in Kagome Staircase Compound $\text{Mg}_{2.997}\text{Co}_{0.003}\text{V}_2\text{O}_8$. Acta Physica Polonica A, 2007, 111, 105-110.	0.2	5
60	Spin-wave resonance and magnetization studies in $\text{La}_{0.7}\text{Mn}_{1.3}\text{O}_3$ films. Physica Status Solidi A, 2003, 196, 93-96.	1.7	4
61	Magnetic structure and magnetic excitations in the two-dimensional spin system of the $\text{Cu}_3\text{B}_2\text{O}_6$ compound. Physics of the Solid State, 2007, 49, 1315-1320.	0.2	4
62	The EPR of monoclinic $\text{KY}(\text{WO}_4)_2$ single crystal doped with Sm^{3+} ion. Physica Status Solidi (B): Basic Research, 2009, 246, 1105-1109.	0.7	4
63	Low-temperature anomalies in resistance and magnetoresistance of amorphous FeCrB ribbons. Coexistence of ferromagnetism and local superconductivity?. Journal of Physics Condensed Matter, 2010, 22, 296001.	0.7	4
64	Rigorous Electrodynamic Approach to Ferromagnetic Resonance in Cavity-Coupled Ferrimagnetic Films. Physica Status Solidi - Rapid Research Letters, 2018, 12, 1800144.	1.2	4
65	ZnO and ZnO:Mn crystals obtained with the chemical vapour transport method. Physica Status Solidi C: Current Topics in Solid State Physics, 2004, 1, 884-887.	0.8	3
66	Experimental Evidence for Ising Spin-Glass Transition in the YbCoGaO_4 Single Crystal. Journal of Physics: Conference Series, 2011, 303, 012064.	0.3	3
67	Magnetic and magnetotransport characterization of $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{YBCO}/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{YBCO}$ spin valve. Journal of Magnetism and Magnetic Materials, 2015, 373, 48-52.	1.0	3
68	Changes in cluster magnetism and suppression of local superconductivity in amorphous FeCrB alloy irradiated by Ar^+ ions. Journal of Magnetism and Magnetic Materials, 2016, 399, 192-198.	1.0	3
69	MgO thickness-induced spin reorientation transition in $\text{Co}_{0.9}\text{Fe}_{0.1}/\text{MgO}/\text{Co}_{0.9}\text{Fe}_{0.1}$ structure. Journal of Magnetism and Magnetic Materials, 2017, 444, 326-331.	1.0	3
70	Magnetic and magnetotransport properties of epitaxial $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{SrIrO}_3/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$ spin valves. Journal Physics D: Applied Physics, 2018, 51, 385002.	1.1	3
71	Magnetic and Electric Solid-State Plasmon Spherical Resonators. Plasmonics, 2019, 14, 945-950.	1.8	3
72	Magnon Excitations in Manganites. Acta Physica Polonica A, 2004, 106, 593-602.	0.2	3

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73	Ferromagnetism of Narrow-Gap $\text{Ge}_{1-x}\text{Sn}_x\text{Mn}_y\text{Te}$ and Layered $\text{In}_{1-x}\text{Mn}_x\text{Se}$ Semiconductors. <i>Acta Physica Polonica A</i> , 2008, 114, 1219-1227.	0.2	3
74	Growth and Properties of Ytterbium Doped $\text{KY}(\text{WO}_4)_2$ Nanocomposites. <i>Solid State Phenomena</i> , 2007, 128, 25-30.	0.3	2
75	Linear deformation effect on the SWR acoustic mode in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ manganite film. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 347-351.	0.7	2
76	EPR of Mn^{2+} in the kagomé staircase compound $\text{Mg}_{2.97}\text{Mn}_{0.03}\text{V}_2\text{O}_8$. <i>Journal of Magnetic Resonance</i> , 2010, 205, 69-74.	1.2	2
77	Enhancement of local superconductivity in ferromagnetic FeCrB metallic glass by Ar ⁺ ion irradiation. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 415702.	0.7	2
78	EMR studies of the internal motion of Mn^{4+} ions in the Sr overdoped $(\text{La}_{1-x}\text{Sr}_x)(\text{Ga}_{1-y}\text{Mn}_y)\text{O}_3$ (x/y up) Tj ETQq0 0 0 rgBT /Overlock Resonance, 2015, 255, 77-87.	1.2	2
79	Impact of organic capping layer on the magnetic anisotropy of ultrathin Co films. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 485002.	1.3	2
80	Formation of Iron-Containing Clusters in Silica of Predetermined Porosity. <i>Acta Physica Polonica A</i> , 2005, 107, 400-407.	0.2	2
81	Surface Magnetic Anisotropy of Epitaxial $\text{La}_{0.7}\text{Mn}_{1.3}\text{O}_{2.84}$ Thin Films. <i>Acta Physica Polonica A</i> , 2006, 110, 57-70.	0.2	2
82	Effect of Chemical Disorder on Geometrically Frustrated Kagome Lattice. <i>Acta Physica Polonica A</i> , 2008, 114, 35-42.	0.2	2
83	Signature of the Spin Triplet Phase in $\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3/\text{Yb}_2\text{Cu}_3\text{O}_7/\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$. <i>Acta Physica Polonica A</i> , 2010, 118, 313-315.	0.2	2
84	Mechanism of the Luminescence Enhancement of $\text{SrSi}_2\text{N}_2\text{O}_2:\text{Eu}^{2+}$ Phosphor via Manganese Addition. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5292-5301.	1.5	2
85	Experimental studies of structural phase transition in $\text{La}_{0.8}\text{Sr}_{0.2}\text{MnO}_3$ single crystals. <i>Journal of Magnetism and Magnetic Materials</i> , 2002, 242-245, 713-715.	1.0	1
86	Magnetization studies of $\text{HoCo}_{0.51}\text{Mn}_{0.49}\text{O}_3$ single crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 263-267.	0.7	1
87	Structural and magnetic investigation of single wall carbon nanotube films with iron based nanoparticles inclusions synthesized by CVD technique from ferrocene/ethanol solution. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1176-1179.	0.8	1
88	Spin-Glass Transition in the RCoGaO_4 ($\text{R}=\text{Lu}, \text{Yb}$) Layered Cobaltites. <i>Acta Physica Polonica A</i> , 2014, 126, 230-231.	0.2	1
89	Effect of gas-liquid crystal transitions in oxygen clusters on electric and magnetic activity of localized states in $\text{In}_2\text{O}_3/\text{SrO}$ ceramic. <i>JETP Letters</i> , 2015, 102, 437-442.	0.4	1
90	Effect of Ion (Ar^+) Irradiation on Cluster Magnetism and Magnetic Interactions in $\text{Fe}_{67}\text{Cr}_{18}\text{B}_{15}$ Amorphous Alloy. <i>Physics of the Solid State</i> , 2019, 61, 1727-1735.	0.2	1

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91	Novel tetrahedral cobalt(II) silanethiolates: structures and magnetism. RSC Advances, 2020, 10, 29100-29108.	1.7	1
92	Aggregated manganese complex-nanolayered manganese oxide: a new hybrid molecular-inorganic material. Dalton Transactions, 2021, 50, 3324-3336.	1.6	1
93	<title>Studies of manganites by magnetic resonance spectroscopy methods</title>. , 2001, 4412, 272.		0
94	<title>Crystal growth and optical properties of Co ²⁺ -doped SrLaGa ₃ O ₇ </title>. , 2001, , .		0
95	Magnetic Properties of Frustrated CMR FeCr ₂ S ₄ Ferrimagnet. Materials Science Forum, 2001, 373-376, 513-516.	0.3	0
96	FMR in the La _{0.63} Ca _{0.27} Mn _{1.1} O ₃ film. Physica Status Solidi A, 2003, 196, 90-92.	1.7	0
97	On the estimation of the magnetocaloric effect by means of microwave technique. AIP Advances, 2012, 2, 042120.	0.6	0
98	Broad-ferromagnetic-linewidth non-metallic gyromagnetic spheres: A comparison of linewidth characterization methods. Journal of Applied Physics, 2020, 127, 163903.	1.1	0
99	Geometrically Frustrated Kagome Lattice with Chemical Disorder. Acta Physica Polonica A, 2008, 113, 413-416.	0.2	0