

Pavlo Aleshkevych

List of Publications by Year in descending order

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430442

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Surprisingly Low Reactivity of Layered Manganese Oxide toward Water Oxidation in Fe/Ni-Free Electrolyte under Alkaline Conditions. <i>Inorganic Chemistry</i> , 2022, 61, 2292-2306.	1.9	21
2	Role of Pt and PtO ₂ in the Oxygen-Evolution Reaction in the Presence of Iron under Alkaline Conditions. <i>Inorganic Chemistry</i> , 2022, 61, 613-621.	1.9	22
3	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
4	Mechanism of the Luminescence Enhancement of SrSi ₂ N ₂ O ₂ :Eu ²⁺ Phosphor via Manganese Addition. <i>Journal of Physical Chemistry C</i> , 2022, 126, 5292-5301.	1.5	2
5	Aggregated manganese complex-nanolayered manganese oxide: a new hybrid molecular-inorganic material. <i>Dalton Transactions</i> , 2021, 50, 3324-3336.	1.6	1
6	Spin-current mediated exchange coupling in MgO-based magnetic tunnel junctions. <i>Physical Review B</i> , 2021, 103, .	1.1	6
7	Oxygen-Evolution Reaction by a Palladium Foil in the Presence of Iron. <i>Inorganic Chemistry</i> , 2021, 60, 5682-5693.	1.9	26
8	A dinuclear iron complex as a precatalyst for water oxidation under alkaline conditions. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 29896-29904.	3.8	31
9	Structural, magnetic and spectral properties of tetrahedral cobalt(II) silanethiolates: a variety of structures and manifestation of field-induced slow magnetic relaxation. <i>Dalton Transactions</i> , 2020, 49, 697-710.	1.6	10
10	Novel tetrahedral cobalt(II) silanethiolates: structures and magnetism. <i>RSC Advances</i> , 2020, 10, 29100-29108.	1.7	1
11	Broad-ferromagnetic-linewidth non-metallic gyromagnetic spheres: A comparison of linewidth characterization methods. <i>Journal of Applied Physics</i> , 2020, 127, 163903.	1.1	0
12	Rigorous broadband study of the intrinsic ferromagnetic linewidth of monocrystalline garnet spheres. <i>Scientific Reports</i> , 2019, 9, 9434.	1.6	9
13	Effect of Ion (Ar ⁺) Irradiation on Cluster Magnetism and Magnetic Interactions in Fe ₆₇ Cr ₁₈ B ₁₅ Amorphous Alloy. <i>Physics of the Solid State</i> , 2019, 61, 1727-1735.	0.2	1
14	Magnetic and Electric Solid-State Plasmon Spherical Resonators. <i>Plasmonics</i> , 2019, 14, 945-950.	1.8	3
15	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
16	Ferromagnetic linewidth measurements employing electrodynamic model of the magnetic plasmon resonance. <i>Measurement Science and Technology</i> , 2018, 29, 025501.	1.4	10
17	Cubic anisotropy in (Ga,Mn)As layers: Experiment and theory. <i>Physical Review B</i> , 2018, 97, .	1.1	16
18	Structural, magnetic, and magnetocaloric properties of Fe ₇ Se ₈ single crystals. <i>Journal of Applied Physics</i> , 2018, 124, .	1.1	15

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19	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. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 385002.	1.3	33
20	Rigorous Electrodynamic Approach to Ferromagnetic Resonance in Cavity-Coupled Ferrimagnetic Films. <i>Physica Status Solidi - Rapid Research Letters</i> , 2018, 12, 1800144.	1.2	4
21	Ferromagnetic resonance in Mn_5Ge_3 epitaxial films with weak stripe domain structure. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 125001.	1.3	9
22	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
23	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
24	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. <i>Journal of Magnetism and Magnetic Materials</i> , 2017, 444, 326-331.	1.0	3
25	Ferromagnetic Resonance Revised – Electrodynamic Approach. <i>Scientific Reports</i> , 2017, 7, 5750.	1.6	20
26	Synthesis, characterization, EPR spectroscopy and catalytic activity of a new oxidovanadium(IV) complex with N_2O_2 -donor ligand. <i>Journal of Molecular Structure</i> , 2017, 1131, 258-265.	1.8	20
27	Synthesis, characterization and magnetic properties of a dinuclear oxidovanadium(IV) complex: Magneto-structural DFT studies on the effects of out-of-plane –OCH ₃ angle. <i>Polyhedron</i> , 2017, 122, 194-202.	1.0	28
28	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
29	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
30	Changes in cluster magnetism and suppression of local superconductivity in amorphous FeCrB alloy irradiated by Ar ⁺ ions. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 399, 192-198.	1.0	3
31	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
32	Single crystal EPR spectroscopy, magnetic studies and catalytic activity of a self-assembled $[\text{Zn}_2\text{-Cu}]_4$ cluster obtained from a carbohydrazone based ligand. <i>Polyhedron</i> , 2015, 88, 48-56.	1.0	31
33	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 ETQq1 1 0.784314 rgBT Resonance, 2015, 255, 77-87.	1.2	2
34	Synthesis, structure, magnetic properties and EPR spectroscopy of a copper(II) coordination polymer with a ditopic hydrazone ligand and acetate bridges. <i>Dalton Transactions</i> , 2015, 44, 1782-1789.	1.6	48
35	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. <i>Journal of Magnetism and Magnetic Materials</i> , 2015, 373, 48-52.	1.0	3
36	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

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37	Spin-Glass Transition in the RCoGaO ₄ (R=Lu, Yb) Layered Cobaltites. Acta Physica Polonica A, 2014, 126, 230-231.	0.2	1
38	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
39	A highly efficient, enantioselective and recyclable mesoporous silica-based Mn(II) catalyst for asymmetric oxidation of thioanisole. RSC Advances, 2014, 4, 48827-48835.	1.7	14
40	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
41	Low-dilution limit of Zn ²⁺ /Mn ²⁺ /GeAs ₂ : Electrical and magnetic properties. Journal of Applied Physics, 2013, 114, .	1.1	14
42	Influence of a strontium-enriched intergranular cluster network on the electrical conductivity of In ₂ O ₃ -SrO ceramics. Technical Physics, 2013, 58, 1144-1151.	0.2	6
43	Synthesis, structure and magnetic characterization of the first azido bridged heterotetranuclear chromium-sodium complex. Inorganic Chemistry Communication, 2013, 35, 172-175.	1.8	33
44	Magnetic anisotropy of La _{0.7} Sr _{0.3} MnO ₃ nanopowders. Journal of Magnetism and Magnetic Materials, 2013, 335, 11-16.	1.0	6
45	Structural and magnetic investigation of single wall carbon nanotube films with iron based nanoparticles inclusions synthesized by CVD technique from ferrocene/ethanol solution. Physica Status Solidi C: Current Topics in Solid State Physics, 2013, 10, 1176-1179.	0.8	1
46	EPR of Nd ³⁺ and Er ³⁺ ions in aluminum borates YAl ₃ (BO ₃) ₄ and EuAl ₃ (BO ₃) ₄ . Journal of Magnetism and Magnetic Materials, 2013, 326, 162-165.	1.0	16
47	The onset of ferromagnetism and superconductivity in [La _{0.7} Sr _{0.3} MnO ₃ (n.u.c.)/YBa ₂ Cu ₃ O _{7-x}] _{Tj} ETQ		
48	On the estimation of the magnetocaloric effect by means of microwave technique. AIP Advances, 2012, 2, 042120.	0.6	0
49	Microstructural magnetic phases in superconducting FeTe _{0.65} Se _{0.35} . Superconductor Science and Technology, 2012, 25, 065019.	1.8	39
50	Experimental Evidence for Ising Spin-Glass Transition in the YbCoGaO ₄ Single Crystal. Journal of Physics: Conference Series, 2011, 303, 012064.	0.3	3
51	Multifunctional iron and iron oxide nanoparticles in silica. Materials Chemistry and Physics, 2011, 130, 1026-1032.	2.0	11
52	Enhancement of local superconductivity in ferromagnetic FeCrB metallic glass by Ar ⁺ ion irradiation. Journal of Physics Condensed Matter, 2011, 23, 415702.	0.7	2
53	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
54	EPR of Mn ²⁺ in the kagom $\tilde{\text{A}}$ staircase compound Mg _{2.97} Mn _{0.03} V ₂ O ₈ . Journal of Magnetic Resonance, 2010, 205, 69-74.	1.2	2

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73	Growth and Properties of Ytterbium Doped $\text{KY}(\text{WO}_4)_2$ Nanocomposites. Solid State Phenomena, 2007, 128, 25-30.	0.3	2
74	Anomalies of magnetic properties of layered crystals InSe containing Mn. Materials Science and Engineering C, 2007, 27, 1052-1055.	3.8	15
75	Linear deformation effect on the SWR acoustic mode in $\text{La}_{0.67}\text{Ca}_{0.33}\text{MnO}_3$ manganite film. Physica Status Solidi (B): Basic Research, 2007, 244, 347-351.	0.7	2
76	Electron paramagnetic resonance of Mn^{2+} ions in single crystals of yttrium aluminum borate $\text{YAl}_3(\text{BO}_3)_4$. Physics of the Solid State, 2007, 49, 463-466.	0.2	15
77	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
78	EPR of Yb^{3+} ions in a monoclinic $\text{KY}(\text{WO}_4)_2$ single crystal. European Physical Journal B, 2007, 55, 389-395.	0.6	12
79	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
80	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
81	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
82	Magnetization studies of $\text{HoCo}_{0.51}\text{Mn}_{0.49}\text{O}_3$ single crystals. Physica Status Solidi (B): Basic Research, 2006, 243, 263-267.	0.7	1
83	Surface Magnetic Anisotropy of Epitaxial $\text{La}_{0.7}\text{Mn}_{1.3}\text{O}_{2.84}$ Thin Films. Acta Physica Polonica A, 2006, 110, 57-70.	0.2	2
84	Formation of Iron-Containing Clusters in Silica of Predetermined Porosity. Acta Physica Polonica A, 2005, 107, 400-407.	0.2	2
85	Resonance and non-resonance microwave absorption in cobaltites. Journal of Physics Condensed Matter, 2004, 16, L179-L186.	0.7	8
86	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
87	Influence of light on the antiferromagnetic-insulator-ferromagnetic-metal phase transition in $\text{Pr}_{0.6}\text{La}_{0.1}\text{Ca}_{0.3}\text{MnO}_3$ thin films. Low Temperature Physics, 2004, 30, 948-955.	0.2	8
88	Magnon Excitations in Manganites. Acta Physica Polonica A, 2004, 106, 593-602.	0.2	3
89	FMR in the $\text{La}_{0.63}\text{Ca}_{0.27}\text{Mn}_{1.1}\text{O}_3$ film. Physica Status Solidi A, 2003, 196, 90-92.	1.7	0
90	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

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91	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
92	Ferromagnetic resonance in (La _{0.7} Ca _{0.3}) _{1-x} Mn _{1+x} O ₃ films. Journal of Applied Physics, 2003, 93, 2100-2106.	1.1	16
93	Experimental studies of structural phase transition in La _{0.8} Sr _{0.2} MnO ₃ single crystals. Journal of Magnetism and Magnetic Materials, 2002, 242-245, 713-715.	1.0	1
94	<title>Studies of manganites by magnetic resonance spectroscopy methods</title>. , 2001, 4412, 272.		0
95	<title>Crystal growth and optical properties of Co²⁺-doped SrLaCa₃O₇</title>. , 2001, ...		0
96	Surface and bulk spin-wave resonances in La _{0.7} Mn _{1.3} O ₃ films. Journal of Physics Condensed Matter, 2001, 13, 4049-4064.	0.7	14
97	Magnetic Properties of Frustrated CMR FeCr₂S₄ Ferrimagnet. Materials Science Forum, 2001, 373-376, 513-516.	0.3	0
98	EPR and Optical Spectra of Cobalt in SrLaAlO ₄ . Physica Status Solidi (B): Basic Research, 2000, 218, 521-526.	0.7	10
99	Spin-wave resonance in the La _{0.7} Mn _{1.3} O ₃ film. Physics Letters, Section A: General, Atomic and Solid State Physics, 2000, 268, 202-207.	0.9	11