

Vladimir Krivoruchko

List of Publications by Citations

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79
papers

886
citations

16
h-index

25
g-index

81
ext. papers

953
ext. citations

1.8
avg, IF

4.37
L-index

#	Paper	IF	Citations
79	Nuclear spin dynamics and magnetic structure of nanosized particles of La _{0.7} Sr _{0.3} MnO ₃ . <i>Physical Review B</i> , 2004 , 69,	3.3	63
78	Inhomogeneous magnetism induced in a superconductor at a superconductor-ferromagnet interface. <i>Physical Review B</i> , 2002 , 66,	3.3	63
77	From inversion to enhancement of the dc Josephson current in S/FI/S tunnel structures. <i>Physical Review B</i> , 2001 , 64,	3.3	56
76	Griffiths phase, metal-insulator transition, and magnetoresistance of doped manganites. <i>Physical Review B</i> , 2010 , 82,	3.3	49
75	Spin polarization and π phase state of the Josephson contact: Critical current of mesoscopic SFIS and SFIS junctions. <i>Physical Review B</i> , 2001 , 63,	3.3	45
74	Local structure, magnetization and Griffiths phase of self-doped La _{1-x} MnO ₃ + δ manganites. <i>Journal of Alloys and Compounds</i> , 2013 , 550, 124-128	5.7	33
73	Microwave absorption in a thin La _{0.7} Sr _{0.3} MnO ₃ film: Manifestation of colossal magnetoresistance. <i>Physical Review B</i> , 2004 , 69,	3.3	29
72	Superparamagnetic resonance of single-domain nanoparticles of LaSrMnO ₃ . <i>Low Temperature Physics</i> , 2007 , 33, 433-438	0.7	24
71	The Griffiths phase and the metal-insulator transition in substituted manganites (Review Article). <i>Low Temperature Physics</i> , 2014 , 40, 586-599	0.7	23
70	Apparent sixfold configurational anisotropy and spatial confinement of ferromagnetic resonances in hexagonal magnetic antidot lattices. <i>Journal of Applied Physics</i> , 2011 , 109, 083912	2.5	23
69	Magnetic resonances spectroscopy of nanosize particles La _{0.7} Sr _{0.3} MnO ₃ . <i>Journal of Magnetism and Magnetic Materials</i> , 2006 , 300, e122-e125	2.8	23
68	Phase separation in nanosize samples of (LaSr)MnO ₃ . <i>Low Temperature Physics</i> , 2007 , 33, 931-934	0.7	22
67	Local triplet superconductivity of La _{0.65} Ca _{0.35} MnO ₃ δ point contacts (X=Pb,MgB ₂). <i>Physical Review B</i> , 2007 , 75,	3.3	22
66	Orientation Effects in 1B Composites Based on 0.93Pb(Zn _{1/3} Nb _{2/3})O ₃ δ .07PbTiO ₃ Single Crystals. <i>Ferroelectrics</i> , 2008 , 376, 140-152	0.6	20
65	Transport and magnetic properties of DC-magnetron sputtered Ln _{0.7} Mn _{1.3} O ₃ δ thin films. <i>Journal of Magnetism and Magnetic Materials</i> , 1999 , 207, 168-179	2.8	18
64	Anomalous superconductivity of Pb/La _{0.7} Sr _{0.3} MnO ₃ point contacts. <i>Physical Review B</i> , 2008 , 78,	3.3	16
63	Spin polarization of quasiparticle states in S/F structures with a finite transparency of the SF interface. <i>Low Temperature Physics</i> , 2000 , 26, 115-120	0.7	14

62	Electrically active magnetic excitations in antiferromagnets (Review Article). <i>Low Temperature Physics</i> , 2012 , 38, 807-818	0.7	13
61	Local structure and magnetic inhomogeneity of nano-sized La _{0.7} Sr _{0.3} MnO ₃ manganites. <i>Journal of Applied Physics</i> , 2011 , 109, 123928	2.5	13
60	Polaron conductivity of La _{0.7} Sr _{0.3} MnO ₃ thin films in the magnetic phase transition range. <i>Low Temperature Physics</i> , 1998 , 24, 803-807	0.7	13
59	Electric-field control of spin-wave power flow and caustics in thin magnetic films. <i>Physical Review B</i> , 2018 , 98,	3.3	12
58	Microscopic magnetic and transport properties of La _{0.7} Pb _{0.3} Sn _x MnO ₃ , 0 ≤ x ≤ 0.3: magnetoresistance and 55Mn, 139La MNR measurements. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 1998 , 245, 163-166	2.3	12
57	Relationship between hysteretic behavior of magnetization and magnetoresistance in half-metallic ferromagnets. <i>Physical Review B</i> , 2008 , 77,	3.3	12
56	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	1.8	12
55	Reversal of the critical-current sign in SFIFS tunnel contacts. <i>JETP Letters</i> , 2000 , 71, 123-126	1.2	12
54	Unconventional ferromagnetism and transport properties of (In,Mn)Sb dilute magnetic semiconductor. <i>Journal of Magnetism and Magnetic Materials</i> , 2010 , 322, 915-923	2.8	11
53	Spin-orbit scattering effect on critical current in SFIFS tunnel structures. <i>Physical Review B</i> , 2002 , 66,	3.3	11
52	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	2.3	11
51	Triple-gap superconductivity of MgB ₂ -(La,Sr)MnO ₃ composite. <i>Physical Review B</i> , 2012 , 86,	3.3	10
50	Spatial confinement of ferromagnetic resonances in honeycomb antidot lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2012 , 324, 3087-3093	2.8	10
49	Griffiths phase and the magnetic and transport properties of doped manganites. <i>Journal of Experimental and Theoretical Physics</i> , 2012 , 115, 125-135	1	10
48	Magnetic structure and resonance properties of a hexagonal lattice of antidots. <i>Low Temperature Physics</i> , 2012 , 38, 157-167	0.7	10
47	Hydrostatic Piezoelectric Coefficients of the 2√ Composite Based on [011]-poled 0.71Pb(Mg _{1/3} Nb _{2/3})O ₃ -0.29PbTiO ₃ Single Crystal. <i>Ferroelectrics</i> , 2010 , 400, 410-416	0.6	10
46	Spin waves damping in nanometre-scale magnetic materials (Review Article). <i>Low Temperature Physics</i> , 2015 , 41, 670-681	0.7	9
45	Electromechanical coupling and its anisotropy in a novel 1√ composite based on single-domain 0.58Pb(Mg _{1/3} Nb _{2/3})O ₃ 0.42PbTiO ₃ crystal. <i>Composites Science and Technology</i> , 2011 , 71, 1082-1088	8.6	9

44	Subgap magnetotransport in Pb/LaCaMnO point contacts. <i>Europhysics Letters</i> , 2006 , 75, 294-300	1.6	9
43	Andreev spectroscopy of point contacts between a low-temperature superconductor and manganite. <i>Low Temperature Physics</i> , 2006 , 32, 824-831	0.7	9
42	Pressure-induced variation of the magnetic structure of the surface of La _{0.6} Sr _{0.4} MnO ₃ granules. <i>Journal of Experimental and Theoretical Physics</i> , 2001 , 93, 180-187	1	9
41	Point-contact Andreev-reflection spectroscopy of doped manganites: Charge carrier spin-polarization and proximity effects (Review Article). <i>Low Temperature Physics</i> , 2013 , 39, 211-224	0.7	8
40	On the Problem of Calculating the Bogolyubov U-V Transformation Coefficients. <i>Physica Status Solidi (B): Basic Research</i> , 1981 , 103, K41-K45	1.3	8
39	Evolution of the ferromagnetic resonance spectrum of a hexagonal antidot lattice with film thickness: Experiment and numerical simulations. <i>Journal of Applied Physics</i> , 2015 , 117, 073903	2.5	7
38	Skyrmion-like bubbles and stripes in a thin ferromagnetic film with lattice of antidots. <i>Journal of Magnetism and Magnetic Materials</i> , 2015 , 377, 153-158	2.8	7
37	Giant magnetoresistance of La _{0.5} Pb _{0.2} Ca _{0.2} Y _{0.1} MnO ₃ films obtained by magnetron sputtering. <i>Low Temperature Physics</i> , 1997 , 23, 631-634	0.7	7
36	Spin polarization of charge carriers and Andreev reflection in (LaCa)MnO/superconductor point contacts. <i>Physics of the Solid State</i> , 2006 , 48, 432-440	0.8	7
35	Griffiths phase and temporal effects in phase separated manganites. <i>Journal of Magnetism and Magnetic Materials</i> , 2016 , 412, 30-41	2.8	6
34	Critical current of asymmetric SFIS tunnel structures. <i>Low Temperature Physics</i> , 2003 , 29, 642-649	0.7	6
33	Longitudinal spin dynamics in ferrimagnets: Multiple spin wave nature of longitudinal spin excitations. <i>Physical Review B</i> , 2016 , 94,	3.3	5
32	Magnetization dynamics of a two-sublattice ferrimagnet near the angular momentum compensation point. <i>Low Temperature Physics</i> , 2014 , 40, 42-48	0.7	5
31	Piezoelectric Performance and Hydrostatic Parameters of Novel 2-2-Type Composites. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2017 , 64, 1599-1607	3.2	4
30	Modeling the hysteretic properties of (LaSr)MnO ₃ nanostructure samples. <i>Low Temperature Physics</i> , 2008 , 34, 750-756	0.7	4
29	Viscous flux motion in anisotropic magnetic superconductors. <i>Journal of Low Temperature Physics</i> , 1993 , 92, 217-224	1.3	4
28	Electric-field control of nonreciprocity of spin wave excitation in ferromagnetic nanostripes. <i>Journal of Magnetism and Magnetic Materials</i> , 2019 , 474, 9-13	2.8	4
27	Andreev-spectroscopy study of unconventional superconductivity in MgB ₂ :(La,Sr)MnO ₃ nanocomposite. <i>Low Temperature Physics</i> , 2014 , 40, 895-901	0.7	3

26	Antiferromagnetic resonance spectrum in LaMnO ₃ . <i>Low Temperature Physics</i> , 2003 , 29, 294-296	0.7	3
25	Magnetic-field-induced supercurrent enhancement in hybrid superconductor/magnet metal structures. <i>Europhysics Letters</i> , 2004 , 68, 447-452	1.6	3
24	Enhancement of the Josephson current by magnetic field in superconducting tunnel structures with a paramagnetic spacer. <i>Low Temperature Physics</i> , 2005 , 31, 123-126	0.7	3
23	Low-temperature resistivity of Zener ferromagnets. <i>Low Temperature Physics</i> , 1998 , 24, 250-254	0.7	3
22	Percolation transitions in d-wave superconductor/half-metallic ferromagnet nanocomposites. <i>Low Temperature Physics</i> , 2019 , 45, 476-481	0.7	2
21	Proximity effects in multiband superconductor/ferromagnetic metal structures. <i>Low Temperature Physics</i> , 2017 , 43, 602-609	0.7	2
20	Longitudinal magnetization dynamics in Heisenberg magnets: Spin Green functions approach (Review Article). <i>Low Temperature Physics</i> , 2017 , 43, 1245-1253	0.7	2
19	Crossover of polaron conductivity and the inhomogeneous state of lanthanum manganites in the magnetic phase transition region. <i>Physics of the Solid State</i> , 2001 , 43, 705-709	0.8	2
18	Vortex Structure in an Antiferromagnetic Superconductor. <i>Journal of Superconductivity and Novel Magnetism</i> , 1999 , 12, 155-157		2
17	Electric Field Control of Magnon Power Flow in Thin Ferromagnet Films. <i>Acta Physica Polonica A</i> , 2018 , 133, 463-465	0.6	2
16	Magneto-chiral nonreciprocity of spin wave damping in long-period structures. <i>Physical Review B</i> , 2019 , 99,	3.3	1
15	Critical current of SFIS tunnel junctions: Spin-orbit scattering effects. <i>Physics of the Solid State</i> , 2005 , 47, 1814	0.8	1
14	Antiferromagnetic Order and Dielectric Gap within the Vortex Core of Antiferromagnetic Superconductor. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 37-47	1.3	1
13	Scattering of surface magnetic polaritons from order-parameter fluctuations near second-order magnetic phase transitions. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2000 , 88, 55-62	0.7	1
12	Two-magnons Longitudinal Excitations in the Heisenberg Antiferromagnets 2019 ,		1
11	Aharonov-Casher effect and electric field control of magnetization dynamics. <i>Low Temperature Physics</i> , 2020 , 46, 820-823	0.7	1
10	The Berezinskii-Kosterlitz-Thouless transition in bulk MgB ₂ :(La,Sr)MnO ₃ superconductor-ferromagnetic nanocomposites. <i>Low Temperature Physics</i> , 2019 , 45, 1156-1160	0.7	1
9	Proximity-induced superconductivity in an antiferromagnetic exchange field. <i>Physical Review B</i> , 1995 , 52, 9709-9713	3.3	0

8	Longitudinal Spin Dynamics in the Heisenberg Antiferromagnet: Two-Magnon Excitations. <i>Ukrainian Journal of Physics</i> , 2020 , 65, 865	0.4	o
7	Local spin-triplet superconductivity in half-metallic manganites: A perspective platform for high-temperature topological superconductivity. <i>Low Temperature Physics</i> , 2021 , 47, 901-907	0.7	o
6	Quasiparticle current in ballistic F/ScN junctions. <i>Low Temperature Physics</i> , 2010 , 36, 1030-1035	0.7	
5	The phase diagram of the superconducting state of superconductor-band-antiferromagnet superlattices. <i>Journal of Experimental and Theoretical Physics</i> , 1997 , 84, 300-308	1	
4	Antiferromagnetic order and dielectric gap within the vortex core of antiferromagnetic superconductor. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 37-47	1.3	
3	Nanoscale superconductor-magnetic metal structures: Critical current enhancement and proximity effect. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 127-139	1.3	
2	Nanoscale Superconductor-Magnetic Metal Structures: Critical Current Enhancement and Proximity Effect. <i>Journal of Low Temperature Physics</i> , 2005 , 139, 127-139	1.3	
1	Two-dimensional Berezinskii-Kosterlitz-Thouless topological phase transition in three-dimensional $\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10+x}:(\text{La},\text{Sr})\text{MnO}_3$ nanocomposites. <i>Low Temperature Physics</i> , 2021 , 47, 466-472	0.7	