

Vadim Loktev

List of Publications by Year in descending order

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papers

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687363

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49
all docs

49
docs citations

49
times ranked

437
citing authors

#	ARTICLE	IF	CITATIONS
1	Impurity effects in a two-dimensional system with the Dirac spectrum. <i>Physical Review B</i> , 2006, 73, .	3.2	97
2	On a Theory of the Electronic Spectrum and Magnetic Properties of High- T_c Superconductors. <i>Physica Status Solidi (B): Basic Research</i> , 1988, 147, 307-319.	1.5	81
3	Local spectrum rearrangement in impure graphene. <i>Physical Review B</i> , 2007, 75, .	3.2	37
4	Phase diagram of a 2D metal system with a variable number of carriers. <i>JETP Letters</i> , 1997, 65, 182-188.	1.4	34
5	Electrical conductivity in graphene with point defects. <i>Physical Review B</i> , 2010, 82, .	3.2	32
6	Numerical evidence of spectrum rearrangement in impure graphene. <i>Physical Review B</i> , 2009, 80, .	3.2	25
7	On the Theory of Light Absorption by Antiferrodielectrics in the Frequency Range of Double Electronic Excitations of Molecules (Ions). <i>Physica Status Solidi (B): Basic Research</i> , 1970, 41, 117-127.	1.5	19
8	Metal-insulator transition in hydrogenated graphene as manifestation of quasiparticle spectrum rearrangement of anomalous type. <i>Physical Review B</i> , 2011, 83, .	3.2	19
9	$\hat{\mu}$ -Oxygen Doublets II. Experiment. <i>Physica Status Solidi (B): Basic Research</i> , 1976, 73, 415-425.	1.5	16
10	Possible High-Temperature Superconductivity in Multilayer Graphane: Can the Cuprates be Beaten?. <i>Journal of Low Temperature Physics</i> , 2011, 164, 264-271.	1.4	16
11	A multisublattice magnetic phase induced by external field in a singlet magnet. <i>Journal of Experimental and Theoretical Physics</i> , 2004, 98, 1006-1014.	0.9	15
12	Phase fluctuations and single-fermion spectral density in 2d systems with attraction. <i>Journal of Experimental and Theoretical Physics</i> , 2000, 90, 993-1009.	0.9	14
13	Electronic properties of graphene with point defects. <i>Low Temperature Physics</i> , 2018, 44, 1112-1138.	0.6	14
14	Green's function of a 2D Fermi system undergoing a topological phase transition. <i>JETP Letters</i> , 1999, 69, 141-147.	1.4	13
15	Displacive magnetic phase transitions upon spin ordering in magnets with strong single-ion anisotropy. <i>Physics of the Solid State</i> , 2003, 45, 1523-1529.	0.6	13
16	Resonance of the Fermi velocity in weakly doped graphene. <i>JETP Letters</i> , 2011, 94, 565-569.	1.4	13
17	$\hat{\mu}$ -Oxygen doublets. I. Theory. <i>Physica Status Solidi (B): Basic Research</i> , 1975, 72, 795-806.	1.5	12
18	On the theory of equilibrium magnetoelastic domain structure in easy-plane antiferromagnet. <i>Low Temperature Physics</i> , 1999, 25, 520-526.	0.6	12

#	ARTICLE	IF	CITATIONS
19	Orbital susceptibility of T-graphene: Interplay of high-order van Hove singularities and Dirac cones. <i>Physical Review B</i> , 2021, 103, .	3.2	12
20	Density of states of relativistic and nonrelativistic two-dimensional electron gases in a uniform magnetic and Aharonov-Bohm fields. <i>Physical Review B</i> , 2011, 84, .	3.2	10
21	Cross-type spectrum rearrangement in graphene with weakly bound impurity centres: an impurity band with anomalous dispersion. <i>Journal of Physics Condensed Matter</i> , 2013, 25, 195301.	1.8	9
22	On the theory of the formation of equilibrium domain structure in antiferromagnets. <i>Low Temperature Physics</i> , 2004, 30, 804-814.	0.6	8
23	Shift of the basal planes as the order parameter of transitions between the antiferromagnetic phases of solid oxygen. <i>Low Temperature Physics</i> , 2005, 31, 763-776.	0.6	8
24	On the theory of the electron spectrum and superconductivity of copper oxides as antiferromagnetic metals. <i>Low Temperature Physics</i> , 2005, 31, 490-497.	0.6	8
25	On the theory of the magnetization of dimerized magnets. <i>JETP Letters</i> , 2010, 91, 183-187.	1.4	8
26	Ordered Superstructures of Oxygen Ions in $\text{La}_{2-x}\text{MeO}_{4+\delta}$ (Me = Cu, Ni). <i>Physica Status Solidi (B): Basic Research</i> , 1991, 166, 191-200.	1.5	7
27	Electronic structure of point defects in antiferromagnetic insulating cuprates. <i>Physica Status Solidi (B): Basic Research</i> , 1992, 174, 141-154.	1.5	7
28	Toward the theory of quantum phase transitions in DTN-type van Vleck antiferromagnets. <i>JETP Letters</i> , 2011, 93, 534-538.	1.4	7
29	Biased doped silicene as a way to tune electronic conduction. <i>Physical Review B</i> , 2016, 93, .	3.2	7
30	Features of the magnetization of an antiferromagnet with single-ion anisotropy of the easy-plane type and with ion spins $S=1$. <i>Low Temperature Physics</i> , 2002, 28, 475-477.	0.6	6
31	Impurity resonance effects in graphene versus impurity location, concentration, and sublattice occupation. <i>Physical Review B</i> , 2020, 102, .	3.2	6
32	A Theory of Two-Exciton Light Absorption in Antiferromagnetic Dielectrics. <i>Physica Status Solidi (B): Basic Research</i> , 1974, 62, 709-719.	1.5	5
33	Mechanism of Formation of the Equilibrium Domain Structure in Crystals Undergoing Thermoelastic Phase Transitions. <i>Physics of the Solid State</i> , 2005, 47, 1755.	0.6	5
34	Superconductivity in the Fröhlich two-dimensional model with an arbitrary carrier concentration. <i>Theoretical and Mathematical Physics (Russian Federation)</i> , 1998, 115, 694-706.	0.9	4
35	Possibility of the formation of an anomalous dispersion region in the electronic spectrum of impurity graphene. <i>JETP Letters</i> , 2011, 93, 706-710.	1.4	4
36	On the structureless shape of the optical absorption bands of the $\hat{\Gamma}^2$ -oxygen cryocrystal. <i>Low Temperature Physics</i> , 2000, 26, 899-907.	0.6	3

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37	On the theory of magnetic phase transitions in magnets with a large single-ion anisotropy. Low Temperature Physics, 2002, 28, 883-888.	0.6	3
38	Temperature-Induced Magnetic Phase Transitions in Crystals with Competing Single-Ion and Interionic Magnetic Anisotropies. Physics of the Solid State, 2005, 47, 690.	0.6	3
39	Specific features of spin ordering in an Ising antiferromagnet with single-ion easy-plane anisotropy. Physics of the Solid State, 2008, 50, 295-301.	0.6	3
40	On the features of the polarization of the bielectronic absorption spectra of the cryocrystal $\hat{\Gamma}$ -O2. Low Temperature Physics, 2000, 26, 932-934.	0.6	2
41	On the nonmonotonic dependence of the critical temperature of the superconducting transition on the carrier density in fullerite C60. Low Temperature Physics, 2001, 27, 414-416.	0.6	2
42	On the Carrier Spectrum of CuO_{2-x} Planes in High- T_c Superconductors and Its Dependence on Stoichiometry. Physica Status Solidi (B): Basic Research, 1990, 161, 731-744.	1.5	1
43	Phase transitions in antiferromagnetic cobalt fluoride. [Low Temp. Phys. 26, 81 (2000)]. Low Temperature Physics, 2000, 26, 625-625.	0.6	1
44	On the magnetic anisotropy of La_2CuO_4 above the Néel temperature. Low Temperature Physics, 2002, 28, 69-71.	0.6	1
45	Possibility of formation and reversible rearrangement of equilibrium domain structure in antiferromagnets. Low Temperature Physics, 2002, 28, 621-629.	0.6	1
46	Electronic spectra, topological states, and impurity effects in graphene nanoribbons. Low Temperature Physics, 2021, 47, 754-764.	0.6	1
47	Effect of resonant impurity scattering of carriers on the Drude-peak broadening in uniaxially strained graphene. Physical Review B, 2019, 99, .	3.2	0
48	10.1007/s11451-008-2013-0. , 2010, 50, 295.		0