

# Vadim Loktev

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2717210/publications.pdf>

Version: 2024-02-01

48  
papers

628  
citations

687363

13  
h-index

642732

23  
g-index

49  
all docs

49  
docs citations

49  
times ranked

437  
citing authors

#	ARTICLE	IF	CITATIONS
1	Orbital susceptibility of T-graphene: Interplay of high-order van Hove singularities and Dirac cones. Physical Review B, 2021, 103, .	3.2	12
2	Electronic spectra, topological states, and impurity effects in graphene nanoribbons. Low Temperature Physics, 2021, 47, 754-764.	0.6	1
3	Impurity resonance effects in graphene versus impurity location, concentration, and sublattice occupation. Physical Review B, 2020, 102, .	3.2	6
4	Effect of resonant impurity scattering of carriers on the Drude-peak broadening in uniaxially strained graphene. Physical Review B, 2019, 99, .	3.2	0
5	Electronic properties of graphene with point defects. Low Temperature Physics, 2018, 44, 1112-1138.	0.6	14
6	Biased doped silicene as a way to tune electronic conduction. Physical Review B, 2016, 93, .	3.2	7
7	Cross-type spectrum rearrangement in graphene with weakly bound impurity centres: an impurity band with anomalous dispersion. Journal of Physics Condensed Matter, 2013, 25, 195301.	1.8	9
8	Density of states of relativistic and nonrelativistic two-dimensional electron gases in a uniform magnetic and Aharonov-Bohm fields. Physical Review B, 2011, 84, .	3.2	10
9	Metal-insulator transition in hydrogenated graphene as manifestation of quasiparticle spectrum rearrangement of anomalous type. Physical Review B, 2011, 83, .	3.2	19
10	Toward the theory of quantum phase transitions in DTN-type van Vleck antiferromagnets. JETP Letters, 2011, 93, 534-538.	1.4	7
11	Possibility of the formation of an anomalous dispersion region in the electronic spectrum of impurity graphene. JETP Letters, 2011, 93, 706-710.	1.4	4
12	Resonance of the Fermi velocity in weakly doped graphene. JETP Letters, 2011, 94, 565-569.	1.4	13
13	Possible High-Temperature Superconductivity in Multilayer Graphane: Can the Cuprates be Beaten?. Journal of Low Temperature Physics, 2011, 164, 264-271.	1.4	16
14	On the theory of the magnetization of dimerized magnets. JETP Letters, 2010, 91, 183-187.	1.4	8
15	Electrical conductivity in graphene with point defects. Physical Review B, 2010, 82, .	3.2	32
16	10.1007/s11451-008-2013-0. , 2010, 50, 295.		0
17	Numerical evidence of spectrum rearrangement in impure graphene. Physical Review B, 2009, 80, .	3.2	25
18	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

#	ARTICLE	IF	CITATIONS
19	Local spectrum rearrangement in impure graphene. Physical Review B, 2007, 75, .	3.2	37
20	Impurity effects in a two-dimensional system with the Dirac spectrum. Physical Review B, 2006, 73, .	3.2	97
21	Shift of the basal planes as the order parameter of transitions between the antiferromagnetic phases of solid oxygen. Low Temperature Physics, 2005, 31, 763-776.	0.6	8
22	On the theory of the electron spectrum and superconductivity of copper oxides as antiferromagnetic metals. Low Temperature Physics, 2005, 31, 490-497.	0.6	8
23	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
24	Mechanism of Formation of the Equilibrium Domain Structure in Crystals Undergoing Thermoelastic Phase Transitions. Physics of the Solid State, 2005, 47, 1755.	0.6	5
25	A multisublattice magnetic phase induced by external field in a singlet magnet. Journal of Experimental and Theoretical Physics, 2004, 98, 1006-1014.	0.9	15
26	On the theory of the formation of equilibrium domain structure in antiferromagnets. Low Temperature Physics, 2004, 30, 804-814.	0.6	8
27	Displacive magnetic phase transitions upon spin ordering in magnets with strong single-ion anisotropy. Physics of the Solid State, 2003, 45, 1523-1529.	0.6	13
28	On the magnetic anisotropy of La <sub>2</sub> CuO <sub>4</sub> above the Néel temperature. Low Temperature Physics, 2002, 28, 69-71.	0.6	1
29	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
30	Features of the magnetization of an antiferromagnet with single-ion anisotropy of the easy-plane type and with ion spins $S=1$ . Low Temperature Physics, 2002, 28, 475-477.	0.6	6
31	Possibility of formation and reversible rearrangement of equilibrium domain structure in antiferromagnets. Low Temperature Physics, 2002, 28, 621-629.	0.6	1
32	On the nonmonotonic dependence of the critical temperature of the superconducting transition on the carrier density in fullerite C <sub>60</sub> . Low Temperature Physics, 2001, 27, 414-416.	0.6	2
33	Phase transitions in antiferromagnetic cobalt fluoride [Low Temp. Phys. 26, 81 (2000)]. Low Temperature Physics, 2000, 26, 625-625.	0.6	1
34	On the structureless shape of the optical absorption bands of the $\hat{I}^2$ -oxygen cryocrystal. Low Temperature Physics, 2000, 26, 899-907.	0.6	3
35	On the features of the polarization of the bielectronic absorption spectra of the cryocrystal $\hat{I}^2$ -O <sub>2</sub> . Low Temperature Physics, 2000, 26, 932-934.	0.6	2
36	Phase fluctuations and single-fermion spectral density in 2d systems with attraction. Journal of Experimental and Theoretical Physics, 2000, 90, 993-1009.	0.9	14

#	ARTICLE	IF	CITATIONS
37	Green's function of a 2D Fermi system undergoing a topological phase transition. JETP Letters, 1999, 69, 141-147.	1.4	13
38	On the theory of equilibrium magnetoelastic domain structure in easy-plane antiferromagnet. Low Temperature Physics, 1999, 25, 520-526.	0.6	12
39	Superconductivity in the Fröhlich two-dimensional model with an arbitrary carrier concentration. Theoretical and Mathematical Physics(Russian Federation), 1998, 115, 694-706.	0.9	4
40	Phase diagram of a 2D metal system with a variable number of carriers. JETP Letters, 1997, 65, 182-188.	1.4	34
41	Electronic structure of point defects in antiferromagnetic insulating cuprates. Physica Status Solidi (B): Basic Research, 1992, 174, 141-154.	1.5	7
42	Ordered Superstructures of Oxygen Ions in $\text{La}_{2-x}\text{MeO}_{4-x}$ (Me = Cu, Ni). Physica Status Solidi (B): Basic Research, 1991, 166, 191-200.	1.5	7
43	On the Carrier Spectrum of $\text{CuO}_2$ Planes in High- $T_c$ Superconductors and Its Dependence on Stoichiometry. Physica Status Solidi (B): Basic Research, 1990, 161, 731-744.	1.5	1
44	On a Theory of the Electronic Spectrum and Magnetic Properties of High- $T_c$ Superconductors. Physica Status Solidi (B): Basic Research, 1988, 147, 307-319.	1.5	81
45	$\text{O}_2$ Doublets II. Experiment. Physica Status Solidi (B): Basic Research, 1976, 73, 415-425.	1.5	16
46	$\text{O}_2$ doublets. I. Theory. Physica Status Solidi (B): Basic Research, 1975, 72, 795-806.	1.5	12
47	A Theory of Two-Exciton Light Absorption in Antiferromagnetic Dielectrics. Physica Status Solidi (B): Basic Research, 1974, 62, 709-719.	1.5	5
48	On the Theory of Light Absorption by Antiferrodielectrics in the Frequency Range of Double Electronic Excitations of Molecules (Ions). Physica Status Solidi (B): Basic Research, 1970, 41, 117-127.	1.5	19