

# Oleg V Dolgov

## List of Publications by Year in descending order

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61  
papers

2,354  
citations

304743

22  
h-index

197818

49  
g-index

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all docs

62  
docs citations

62  
times ranked

1537  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temperature-Dependent $s_{\pm}$ Transitions in the Multiband Model for Fe-Based Superconductors with Impurities. Symmetry, 2018, 10, 323.	2.2	7
2	A multiband Eliashberg approach to iron-based superconductors. Physica Status Solidi (B): Basic Research, 2017, 254, 1600828.	1.5	9
3	Impurities in multiband superconductors. Physics-Uspekhi, 2016, 59, 1211-1240.	2.2	33
4	Microwave Conductivity in Two-Band Superconductors $V_3 + x Si_{1-x}$ . Journal of Superconductivity and Novel Magnetism, 2015, 28, 331-337.	1.8	0
5	In memory of Evgenii Grigorievich Maksimov. Physics-Uspekhi, 2011, 54, 1195-1197.	2.2	0
6	Interband superconductivity: Contrasts between Bardeen-Cooper-Schrieffer and Eliashberg theories. Physical Review B, 2009, 79, .	3.2	78
7	Conventional superconductivity in Fe-based pnictides: The relevance of intra-band electron-boson scattering. Europhysics Letters, 2009, 85, 47008.	2.0	13
8	Electron-phonon properties of pnictide superconductors. Physica C: Superconductivity and Its Applications, 2009, 469, 628-634.	1.2	39
9	Critical temperature and the giant isotope effect in the presence of paramagnons. Journal of Physics Condensed Matter, 2008, 20, 434226.	1.8	4
10	Title is missing!. Physics-Uspekhi, 2007, 50, 933.	2.2	39
11	Angle-resolved photoemission spectra of $Bi_2Sr_2CaCu_2O_{8-x}$ . Physical Review B, 2007, 75, 040501.	3.2	15
12	Forward scattering peak in the electron-phonon interaction and impurity scattering of cuprate superconductors. Physica Status Solidi (B): Basic Research, 2005, 242, 151-178.	1.5	15
13	Thermodynamics of two-band superconductors: The case of MgB <sub>2</sub> . Physical Review B, 2005, 72, .	3.2	67
14	Critical Temperature and Enhanced Isotope Effect in the Presence of Paramagnons in Phonon-Mediated Superconductors. Physical Review Letters, 2005, 95, 257003.	7.8	32
15	Band Filling and Interband Scattering Effects in MgB <sub>2</sub> : Carbon versus Aluminum Doping. Physical Review Letters, 2005, 94, 027002.	7.8	190
16	Superconducting gap structure and pinning in disordered MgB <sub>2</sub> films. Superconductor Science and Technology, 2004, 17, S350-S354.	3.5	7
17	In-Plane Spectral Weight Shift of Charge Carriers in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>6.9</sub> . Science, 2004, 304, 708-710.	12.6	99
18	ELECTRON-PHONON SPECTRAL FUNCTION AND TWO-BAND MODEL IN TUNNELING MEASUREMENTS ON MgB <sub>2</sub> . International Journal of Modern Physics B, 2003, 17, 643-648.	2.0	0

#	ARTICLE	IF	CITATIONS
19	Reflectance Measurements and Superconductivity in MgB <sub>2</sub> . Physical Review Letters, 2002, 89, 129703.	7.8	8
20	Superconductivity in MgB <sub>2</sub> : Clean or Dirty?. Physical Review Letters, 2002, 89, 107002.	7.8	350
21	Specific heat of MgB <sub>2</sub> in a one- and a two-band model from first-principles calculations. Journal of Physics Condensed Matter, 2002, 14, 1353-1360.	1.8	261
22	Manifestation of multiband optical properties of MgB <sub>2</sub> . Solid State Communications, 2002, 121, 479-484.	1.9	52
23	Electromagnetic response of superconductors and optical sum rule. Solid State Communications, 2002, 124, 119-124.	1.9	22
24	The electron-phonon interaction renormalized by strong correlations: The way to HTS. Physica C: Superconductivity and Its Applications, 2000, 341-348, 111-112.	1.2	3
25	Transition radiation of moving Abrikosov vortices. Physical Review B, 2000, 61, 12389-12393.	3.2	7
26	Forward electron-phonon scattering and HTS. , 1999, , .		0
27	Anisotropic impurities in anisotropic superconductors. Physical Review B, 1999, 60, 13062-13069.	3.2	52
28	Energy dependence of quasiparticle and transport relaxation rates in metals. Solid State Communications, 1998, 106, 409-413.	1.9	4
29	Optical response of Ba <sub>1-x</sub> K <sub>x</sub> BiO <sub>3</sub> : Evidence for an unusual coupling mechanism of superconductivity. Physical Review B, 1998, 58, 9479-9484.	3.2	18
30	T Dependence of the Magnetic Penetration Depth in Unconventional Superconductors at Low Temperatures: Can It Be Linear?. Physical Review Letters, 1998, 80, 4761-4762.	7.8	29
31	Schopohl and Dolgov Reply:. Physical Review Letters, 1998, 81, 4025-4026.	7.8	6
32	Forward Electron-Phonon Scattering in Normal and Superconducting States. International Journal of Modern Physics B, 1998, 12, 3083-3086.	2.0	9
33	The Ward identity and nonadiabatic corrections to the quasiparticle self-energy. Physics Letters, Section A: General, Atomic and Solid State Physics, 1997, 230, 79-82.	2.1	8
34	Polarons and strong electron-phonon coupling in the optical response of La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Journal of Superconductivity and Novel Magnetism, 1997, 10, 299-303.	0.5	2
35	Evidence for strong electron-phonon coupling and polarons in the optical response of La <sub>2-x</sub> Sr <sub>x</sub> CuO <sub>4</sub> . Physica C: Superconductivity and Its Applications, 1997, 279, 113-121.	1.2	9
36	Comparative Description of the Microwave Surface Impedance of Nb, BaKBiO, and YBaCuO. Journal De Physique, I, 1996, 6, 2275-2290.	1.2	15

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37	Prediction of the properties of cuprate superconductors based upon a two-gap model with magnetic impurity effects included. Proceedings of SPIE, 1996, , .	0.8	0
38	Non-adiabatic corrections to the quasiparticle self-energy. European Physical Journal D, 1996, 46, 925-926.	0.4	3
39	Optical absorption in the strong-coupling limit of Eliashberg theory. Physical Review B, 1996, 53, 2739-2745.	3.2	7
40	Analysis of intermediate boson spectra from FIR data for HTSC and heavy fermion systems. Journal of Superconductivity and Novel Magnetism, 1995, 8, 611-612.	0.5	19
41	Comparison of the Eliashberg functions determined from point-contact and break-junction tunnelling experiments in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8+x</sub> . Nuovo Cimento Della Societa Italiana Di Fisica D - Condensed Matter, Atomic, Molecular and Chemical Physics, Biophysics, 1994, 16, 1903-1907.	0.4	1
42	Observation of the Holstein shift in high-T <sub>c</sub> superconductors with thermal-modulation reflectometry. Physica C: Superconductivity and Its Applications, 1994, 229, 396-402.	1.2	3
43	Renormalization factor and odd- $\tilde{\gamma}$ gap singlet superconductivity. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 190, 189-190.	2.1	9
44	Microwave conductivity of superconductors with a strong electron-phonon interaction. Solid State Communications, 1994, 89, 827-831.	1.9	7
45	Strong-coupling effects in alkali-metal-doped C <sub>60</sub> . Physical Review B, 1993, 47, 538-541.	3.2	51
46	Estimation of the electron-phonon coupling in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> from the resistivity. Physical Review B, 1992, 45, 2509-2511.	3.2	21
47	Ginzburg-Landau analysis of superconducting K <sub>3</sub> C <sub>60</sub> . Solid State Communications, 1992, 81, 935-938.	1.9	21
48	Electron-phonon coupling and specific heat in YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physica C: Superconductivity and Its Applications, 1992, 192, 41-46.	1.2	9
49	Thermal pair-breaking in superconductors with strong electron-phonon interaction. Solid State Communications, 1991, 80, 511-515.	1.9	44
50	Infrared spectroscopy of Nd <sub>2-x</sub> Y <sub>y</sub> CuO <sub>4</sub> ( $y = 0 \leq 0.2$ ) single crystals. Solid State Communications, 1991, 79, 931-933.	1.9	6
51	Electronic states and optical spectra of HTSC with electron-phonon coupling. Physica C: Superconductivity and Its Applications, 1991, 178, 266-274.	1.2	158
52	Far-infrared properties of high T <sub>c</sub> superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 1990, 147, 317-322.	2.1	26
53	Influence of electron-phonon scattering on the properties of high T <sub>c</sub> superconductors. Solid State Communications, 1989, 72, 81-83.	1.9	29
54	The fluctuations in strong coupled superconductors. Solid State Communications, 1988, 67, 63-67.	1.9	11

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55	Properties of strong-coupled superconductors. Physical Review B, 1988, 38, 11290-11295.	3.2	78
56	A tunnelling study of the oxide superconductors $\text{La}_{2-x}\text{Sr}_x\text{CuO}_4$ -y and $\text{EuBa}_2\text{Cu}_3\text{O}_7$ . Superconductor Science and Technology, 1988, 1, 205-209.	3.5	43
57	Superconductivity of heavy fermions in a two-band model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 125, 267-270.	2.1	4
58	Anomalous magnetism of small metallic clusters in a weak magnetic field. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 100, 261-263.	2.1	19
59	On the admissible values of the static magnetic permeability. Solid State Communications, 1983, 46, 147-149.	1.9	5
60	The dielectric screening and magnetic instabilities in an interacting electron gas. Solid State Communications, 1983, 46, 151-153.	1.9	3
61	On an admissible sign of the static dielectric function of matter. Reviews of Modern Physics, 1981, 53, 81-93.	45.6	272