Maxim Kagan

List of Publications by Year
in descending order

48	909	623734	454955
papers	citations	14 h-index	30 g-index

48	48	48	580
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Collective mode of homogeneous superfluid Fermi gases in the BEC-BCS crossover. Physical Review A, 2006, 74, .	2.5	153
2	Inhomogeneous charge distributions and phase separation in manganites. Physics-Uspekhi, 2001, 44, 553-570.	2.2	152
3	Exact diagrammatic approach for dimer-dimer scattering and bound states of three and four resonantly interacting particles. Physical Review A, 2006, 73, .	2.5	100
4	Self-consistent theory for molecular instabilities in a normal degenerate Fermi gas in the BEC-BCS crossover. Physical Review A, 2006, 73, .	2.5	49
5	Superconductivity in the two-dimensional t-J model at low electron density. Journal of Physics Condensed Matter, 1994, 6, 3771-3780.	1.8	43
6	One-electron spectral functions of the attractive Hubbard model for intermediate coupling. Physical Review B, 1998, 57, 5995-6002.	3.2	39
7	Two-particle pairing and phase separation in a two-dimensional Bose gas with one or two sorts of bosons. Physical Review B, 2002, 65, .	3.2	34
8	Composite fermions, trios, and quartets in a Fermi-Bose mixture. Physical Review A, 2004, 70, .	2.5	30
9	Fermi-to-Bose crossover in a trapped quasi-2D gas of fermionic atoms. Journal of Physics Condensed Matter, 2017, 29, 383004.	1.8	24
10	Strong Tc enhancement in the two-dimensional two-band Hubbard model with low filling. Physics Letters, Section A: General, Atomic and Solid State Physics, 1991, 152, 303-305.	2.1	20
11	Anomalous resistivity and the origin of heavy mass in the two-band Hubbard model with one narrow band. Journal of Experimental and Theoretical Physics, 2011, 113, 156-171.	0.9	20
12	Fermi-Bose Mixtures and BCS-BEC Crossover in High-Tc Superconductors. Condensed Matter, 2019, 4, 51.	1.8	20
13	Triplet p-wave superconductivity in the low-density extended hubbard model with Coulomb repulsion. JETP Letters, 2011, 93, 725-730.	1.4	18
14	The Kohn-Luttinger effect and anomalous pairing in new superconducting systems and graphene. Journal of Experimental and Theoretical Physics, 2014, 118, 995-1011.	0.9	15
15	Effect of long-range interactions on the Kohn-Luttinger mechanism of the cooper instability in the Shubin-Vonsowsky model. JETP Letters, 2013, 97, 226-232.	1.4	13
16	Small-scale phase separation in doped anisotropic antiferromagnets. Journal of Physics Condensed Matter, 2006, 18, 10905-10914.	1.8	12
17	The Kohnâ€“Luttinger superconductivity in idealized doped graphene. Solid State Communications, 2014, 188, 61-66.	1.9	12
18	The enhancement of the superconductive transition temperature in quasi-2D materials in a parallel magnetic field. Physica C: Superconductivity and Its Applications, 1993, 218, 75-81.	1.2	11

#	Article	IF	Citations
19	Formation of long-range spin distortions by a bound magnetic polaron. Physical Review B, 2006, 74, .	3.2	10
20	The Kohn-Luttinger mechanism and phase diagram of the superconducting state in the Shubin-Vonsovsky model. Journal of Experimental and Theoretical Physics, 2013, 117, 728-741.	0.9	10
21	Anomalous resistivity and superconductivity in the two-band Hubbard model with one narrow band (Review). Low Temperature Physics, 2011, 37, 69-82.	0.6	9
22	Unconventional superconductivity in low density electron systems and conventional superconductivity in hydrogen metallic alloys. JETP Letters, 2016, 103, 728-738.	1.4	9
23	Coulomb interactions-induced perfect spin-filtering effect in a quadruple quantum-dot cell. Journal of Magnetism and Magnetic Materials, 2017, 440, 15-18.	2.3	9
24	Small-scale phase separation and electron transport in manganites. Physics-Uspekhi, 2003, 46, 851-856.	2.2	8
25	Phase diagram of the Kohn-Luttinger superconducting state for bilayer graphene. European Physical Journal B, 2015, 88, 1.	1.5	8
26	Fano effect in Aharonovâ€“Bohm ring with topologically superconducting bridge. Journal of Physics Condensed Matter, 2019, 31, 225301.	1.8	8
27	On the superfluid transition in dense electron systems. Journal of Physics Condensed Matter, 1989, 1, 3135-3138.	1.8	7
28	Tunnelling magnetoresistance and 1/fnoise in phase-separated manganites. Journal of Physics Condensed Matter, 2003, 15, 1705-1717.	1.8	7
29	Specific features of the BCS-BEC crossover and thermodynamics in the 2D resonant Fermi gas with p-wave pairing. Laser Physics, 2008, 18, 509-521.	1.2	6
30	Elementary excitations in the symmetric spin-orbital model. JETP Letters, 2014, 100, 187-191.	1.4	6
31	On the stability of the superconductive state in the Fermi-gas with repulsive interaction. Physica B: Condensed Matter, 1993, 191, 341-347.	2.7	5
32	Phase diagram for the superfluid Fermi-gas. Physica A: Statistical Mechanics and Its Applications, 1997, 234, 643-664.	2.6	5
33	BCS-BEC crossover and quantum hydrodynamics in p-wave superfluids with a symmetry of the A1 phase. Journal of Experimental and Theoretical Physics, 2010, 110, 426-439.	0.9	5
34	BCS-BEC Crossover and Chiral Anomaly in p-Wave Superfluids with the Symmetry of A1-Phase. Journal of Low Temperature Physics, 2010, 158, 749-772.	1.4	5
35	Kohn-Luttinger superconductivity in monolayer and bilayer semimetals with the Dirac spectrum. Journal of Experimental and Theoretical Physics, 2014, 119, 1140-1149.	0.9	5
36	Anomalous Resistivity and the Electronâ€“Polaron Effect in the Two-Band Hubbard Model with One Narrow Band. Journal of Superconductivity and Novel Magnetism, 2012, 25, 1379-1382.	1.8	4

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37	Inhomogeneous charge states and electronic transport in manganites. Low Temperature Physics, 2001, 27, 601-608.	0.6	3
38	Two-particle pairing in 2D Bose gases. Physica B: Condensed Matter, 2003, 329-333, 30-31.	2.7	3
39	Manifestation of the upper Hubbard band in the 2D Hubbard model at low electron density. Low Temperature Physics, 2011, 37, 834-839.	0.6	3
40	The structure of magnetic polarons in doped antiferromagnetic insulators. Physica B: Condensed Matter, 2008, 403, 1353-1355.	2.7	2
41	Superconductivity in Repulsive Fermi-Systems at Low Density. Journal of Superconductivity and Novel Magnetism, 2013, 26, 2809-2815.	1.8	2
42	Phase separation and tunnelling magnetoresistance in manganites. Physica B: Condensed Matter, 2003, 329-333, 687-688.	2.7	1
43	Bound magnetic polarons with extended spin distortions on frustrated lattices. Journal of Physics Condensed Matter, 2008, 20, 425214.	1.8	1
44	BCS-BEC crossover in p-wave resonance superfluids. Journal of Physics: Conference Series, 2009, 150, 032037.	0.4	1
45	New mechanism of the formation of vacancy voids. Low Temperature Physics, 2010, 36, 313-316.	0.6	1
46	Kohn-Luttinger effect and anomalous pairing in repulsive Fermi-systems at low density (Review) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 38	0.6	1
47	Four-particle problem using Feynman diagrams. Laser Physics, 2007, 17, 523-526.	1.2	0
48	BCS-BEC crossover and nodal-points contribution in p-wave resonance superfluids. Low Temperature Physics, 2009, 35, 610-618.	0.6	0