

Mikhail Kiselev

List of Publications by Year in descending order

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docs citations

88
times ranked

683
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermopower of a Kondo Spin-Correlated Quantum Dot. <i>Physical Review Letters</i> , 2005, 95, 176602.	7.8	216
2	Phase Diagram of the Commensurate Two-Dimensional Disordered Bose-Hubbard Model. <i>Physical Review Letters</i> , 2011, 107, 185301.	7.8	59
3	New Scenario for High-Tc Cuprates: Electronic Topological Transition as a Motor for Anomalies in the Underdoped Regime. <i>Physical Review Letters</i> , 1999, 82, 2370-2373.	7.8	55
4	Effects of colored noise on Landau-Zener transitions: Two- and three-level systems. <i>Physical Review B</i> , 2013, 87, .	3.2	39
5	Critical Exponents of the Superfluid-Bose-Glass Transition in Three Dimensions. <i>Physical Review Letters</i> , 2014, 112, 225301.	7.8	38
6	SU(3) Landau-Zener interferometry. <i>Europhysics Letters</i> , 2013, 104, 57004.	2.0	35
7	Schwinger-Keldysh Semionic Approach for Quantum Spin Systems. <i>Physical Review Letters</i> , 2000, 85, 5631-5634.	7.8	33
8	Thermoelectric transport through a quantum dot: Effects of asymmetry in Kondo channels. <i>Physical Review B</i> , 2010, 82, .	3.2	25
9	Resonance Kondo tunneling through a double quantum dot at finite bias. <i>Physical Review B</i> , 2003, 68, .	3.2	24
10	Thermoelectric Transport in a Three-Channel Charge Kondo Circuit. <i>Physical Review Letters</i> , 2020, 125, 026801.	7.8	22
11	Kondo shuttling in a nanoelectromechanical single-electron transistor. <i>Physical Review B</i> , 2006, 74, .	3.2	18
12	Interplay of Spin and Charge Channels in Zero-Dimensional Systems. <i>Physical Review Letters</i> , 2006, 96, 066805.	7.8	18
13	Geometric Quantum Noise of Spin. <i>Physical Review Letters</i> , 2015, 114, 176806.	7.8	18
14	Spin gap in chains with hidden symmetries. <i>Physical Review B</i> , 2005, 71, .	3.2	17
15	Kondo effect in a one-electron double quantum dot: Oscillations of the Kondo current in a weak magnetic field. <i>Physical Review B</i> , 2006, 74, .	3.2	16
16	SEMI-FERMIONIC REPRESENTATION FOR SPIN SYSTEMS UNDER EQUILIBRIUM AND NON-EQUILIBRIUM CONDITIONS. <i>International Journal of Modern Physics B</i> , 2006, 20, 381-421.	2.0	16
17	Spin and charge correlations in quantum dots: An exact solution. <i>JETP Letters</i> , 2010, 92, 179-184.	1.4	16
18	Thermoelectric transport through a SU(N) Kondo impurity. <i>Physical Review B</i> , 2017, 96, .	3.2	16

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19	Two-color Fermi-liquid theory for transport through a multilevel Kondo impurity. Physical Review B, 2018, 97, .	3.2	16
20	Semi-fermionic representation of SU(N) Hamiltonians. European Physical Journal B, 2001, 22, 53-63.	1.5	15
21	Vibration-Induced Kondo Tunneling through Metal-Organic Complexes with Even Electron Occupation Number. Physical Review Letters, 2006, 96, 176801.	7.8	15
22	Exact solution for spin and charge correlations in quantum dots: Effect of level fluctuations and Zeeman splitting. Physical Review B, 2012, 85, .	3.2	15
23	Equilibrium Fermi-liquid coefficients for the fully screened N -channel Kondo model. Physical Review B, 2014, 89, .	3.2	14
24	Asymmetric spin- $1/2$ bevelled ladders: Analytical studies supported by exact diagonalization, DMRG, and Monte Carlo simulations. Physical Review B, 2010, 82, .	3.2	14
25	Thermodynamics of CeNiSn at low temperatures and in weak magnetic fields. Physical Review B, 1999, 59, 15070-15084.	3.2	12
26	Nonlinear Seebeck effect of SU(N) Kondo impurity. Physical Review B, 2019, 100, .	3.2	12
27	Spin-glass transition in a Kondo lattice with quenched disorder. JETP Letters, 2000, 71, 250-254.	1.4	11
28	Seebeck effect on a weak link between Fermi and non-Fermi liquids. Physical Review B, 2018, 97, .	3.2	11
29	Current heating of a magnetic two-dimensional electron gas in $\text{Hg}_{1-x}\text{Mn}_x\text{Te}/\text{Hg}_{0.3}\text{Cd}_{0.7}\text{Te}$ quantum wells. Physical Review B, 2004, 70, .	3.2	9
30	Spin Gap and String Order Parameter in the Ferromagnetic Spiral Staircase Heisenberg Ladder: A Quantum Monte Carlo Study. Physical Review Letters, 2008, 100, 017202.	7.8	9
31	Kondo Force in Shuttling Devices: Dynamical Probe for a Kondo Cloud. Physical Review Letters, 2013, 110, 066804.	7.8	9
32	Spin-mediated Photomechanical Coupling of a Nanoelectromechanical Shuttle. Physical Review Letters, 2016, 117, 057202.	7.8	9
33	Quantum thermoelectric and heat transport in the overscreened Kondo regime: Exact conformal field theory results. Physical Review B, 2020, 102, .	3.2	9
34	Ferrimagnetic mixed-spin ladders in weak- and strong-coupling limits. Physical Review B, 2004, 70, .	3.2	8
35	Interplay of charge and spin in quantum dots: The Ising case. Physical Review B, 2011, 84, .	3.2	8
36	Landau-Zener transitions and Rabi oscillations in a Cooper-pair box: beyond two-level models. Low Temperature Physics, 2018, 44, 1325-1330.	0.6	8

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37	Some consequences of electronic topological transition in 2D system on a square lattice: Excitonic ordered states. European Physical Journal B, 2000, 16, 601-611.	1.5	7
38	Decoherence and dephasing in Kondo tunneling through double quantum dots. Physical Review B, 2006, 74, .	3.2	7
39	Electronic spin working mechanically (Review Article). Low Temperature Physics, 2014, 40, 600-614.	0.6	7
40	Thermoelectrics of a two-channel charge Kondo circuit: Role of electron-electron interactions in a quantum point contact. Physical Review B, 2022, 105, .	3.2	7
41	Effective action for the Kondo lattice model. New approach for $S=1/2$. Physica B: Condensed Matter, 1999, 259-261, 195-197.	2.7	6
42	Dynamically induced Kondo effect in double quantum dots. JETP Letters, 2003, 77, 366-370.	1.4	6
43	Effects of strong electron interactions and resonant scattering on power output of nano-devices. Physical Review B, 2019, 100, .	3.2	6
44	Quantum Transport Through a "Charge" Kondo Circuit: Effects of Weak Repulsive Interaction in Luttinger Liquid. Communications in Physics, 2020, 30, 1.	0.0	6
45	Spin gap in a spiral staircase model. Physica B: Condensed Matter, 2005, 359-361, 1406-1408.	2.7	5
46	Single-pole ladder at quarter filling. Physical Review B, 2007, 75, .	3.2	5
47	Tunable RKKY interaction in a double quantum dot nanoelectromechanical device. Physical Review B, 2018, 97, .	3.2	5
48	Full counting statistics of the two-stage Kondo effect. Physical Review B, 2018, 98, .	3.2	5
49	Quantum thermal transport in the charged Sachdev-Ye-Kitaev model: Thermoelectric Coulomb blockade. Physical Review B, 2021, 103, .	3.2	5
50	Modulated replica symmetry breaking schemes for antiferrimagnetic spin glasses. European Physical Journal B, 2003, 37, 187-192.	1.5	4
51	Dynamical symmetries and quantum transport through nanostructures. Physica Status Solidi C: Current Topics in Solid State Physics, 2007, 4, 3362-3373.	0.8	4
52	Scalar and vector Keldysh models in the time domain. JETP Letters, 2009, 89, 114-119.	1.4	4
53	Protection of a non-Fermi liquid by spin-orbit interaction. Physical Review B, 2015, 92, .	3.2	4
54	Elementary excitations in Kondo-systems CeNiSn and CeRhSb. European Physical Journal D, 1996, 46, 1899-1900.	0.4	3

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55	Stabilization of spin liquid in Kondo lattice: High temperature regime. <i>Physica B: Condensed Matter</i> , 1997, 230-232, 490-492.	2.7	3
56	Comment on "Theory of Unconventional Spin Density Wave: A Possible Mechanism of the Micromagnetism in U-based Heavy Fermion Compounds" <i>Physical Review Letters</i> , 1999, 82, 5172-5172.	7.8	3
57	Thermodynamic properties of the superconductivity in quasi-two-dimensional Dirac electronic systems. <i>European Physical Journal B</i> , 2011, 82, 47-52.	1.5	3
58	Grassmannization of classical models. <i>New Journal of Physics</i> , 2016, 18, 113025.	2.9	3
59	Phase diagram of the Hubbard-Kondo lattice model from the variational cluster approximation. <i>Physical Review B</i> , 2018, 97, .	3.2	3
60	On the excitonic mechanism of superconductivity. <i>Physica C: Superconductivity and Its Applications</i> , 1993, 209, 133-136.	1.2	2
61	Spin liquid in an almost ferromagnetic Kondo lattice. <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 399-414.	0.9	2
62	Paramagnetic labeling as a method for the soft spectroscopy of electronic states. <i>Journal of Experimental and Theoretical Physics</i> , 1998, 86, 1008-1019.	0.9	2
63	ELECTRONIC TOPOLOGICAL TRANSITIONS IN 2D ELECTRON SYSTEM ON A SQUARE LATTICE AS A MOTOR FOR THE 'STRANGE-METAL' BEHAVIOUR IN HIGH-T _c CUPRATES. <i>Journal of Physics and Chemistry of Solids</i> , 1998, 59, 1853-1857.	4.0	2
64	Non-equilibrium Kondo effect in double quantum dot. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1676-1677.	2.3	2
65	Correlations between Kondo clouds in nearly antiferromagnetic Kondo lattices. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, E23-E24.	2.3	2
66	Kondo effect in organometallic complexes with vibrating ligand shells. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2414-2416.	2.3	2
67	Kondo effect in complex quantum dots in the presence of an oscillating and fluctuating gate signal. <i>Physical Review B</i> , 2010, 81, .	3.2	2
68	Coupled multiple-mode theory for $s\pm$ pairing mechanism in iron based superconductors. <i>Scientific Reports</i> , 2016, 6, 37508.	3.3	2
69	U(1) and SU(2) quantum dissipative systems: the Caldeira "Leggett Versus Ambegaokar" Eckern "Sch" approaches. <i>Journal of Experimental and Theoretical Physics</i> , 2016, 122, 576-586.	0.9	2
70	Explicit and Hidden Symmetries in Quantum Dots and Quantum Ladders. , 2004, , 177-189.		2
71	Spin diffusion and relaxation in three-dimensional isotropic Heisenberg antiferromagnets. <i>Journal of Experimental and Theoretical Physics</i> , 1997, 85, 994-1000.	0.9	1
72	Thermodynamics of CeNiSn at low temperature and in weak magnetic field. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 296-297.	2.7	1

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73	Various ordered states in a 2D interacting electron system close to an electronic topological transition. <i>Physica B: Condensed Matter</i> , 2000, 284-288, 677-678.	2.7	1
74	Transverse spin fluctuations in metallic quantum dots. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 947-948.	2.7	1
75	Kondo lattice without Nozières exhaustion effect. <i>Europhysics Letters</i> , 2006, 74, 1053-1059.	2.0	1
76	Self-sustained oscillations in nanoelectromechanical systems induced by Kondo resonance. <i>New Journal of Physics</i> , 2014, 16, 033043.	2.9	1
77	Kondo effect in a Aharonov-Casher interferometer. <i>Physical Review B</i> , 2019, 100, .	3.2	1
78	Overscreened Kondo problem with large spin and large number of orbital channels: Two distinct semiclassical limits in quantum transport observables. <i>Physical Review B</i> , 2021, 103, .	3.2	1
79	Excitonic instability and origin of the mid-gap states. <i>Physica C: Superconductivity and Its Applications</i> , 1994, 235-240, 2325-2326.	1.2	0
80	Critical dynamics of Heisenberg antiferromagnets: correlation functions above Néel point. <i>Physica B: Condensed Matter</i> , 1999, 259-261, 913-915.	2.7	0
81	Anisotropic Kondo lattice without Nozières exhaustion effect. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 708-709.	2.7	0
82	Phonon-assisted and magnetic field induced Kondo tunneling in single molecular devices. <i>Journal of Physics: Conference Series</i> , 2007, 92, 012033.	0.4	0
83	Spin and charge necklaces at commensurate filling. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042089.	0.4	0
84	Spin and charge necklaces at commensurate filling. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042092.	0.4	0
85	Shuttle-promoted nano-mechanical current switch. <i>Applied Physics Letters</i> , 2015, 107, 123104.	3.3	0
86	Multistage Kondo effect in a multiterminal geometry: A modular quantum interferometer. <i>Physical Review B</i> , 2022, 105, .	3.2	0