

Mikhail Kiselev

List of Publications by Year in descending order

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docs citations

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683
citing authors

#	ARTICLE	IF	CITATIONS
1	Multistage Kondo effect in a multiterminal geometry: A modular quantum interferometer. Physical Review B, 2022, 105, .	3.2	0
2	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
3	Quantum thermal transport in the charged Sachdev-Ye-Kitaev model: Thermoelectric Coulomb blockade. Physical Review B, 2021, 103, .	3.2	5
4	Overscreened Kondo problem with large spin and large number of orbital channels: Two distinct semiclassical limits in quantum transport observables. Physical Review B, 2021, 103, .	3.2	1
5	Quantum thermoelectric and heat transport in the overscreened Kondo regime: Exact conformal field theory results. Physical Review B, 2020, 102, .	3.2	9
6	Thermoelectric Transport in a Three-Channel Charge Kondo Circuit. Physical Review Letters, 2020, 125, 026801.	7.8	22
7	Quantum Transport Through a "Charge" Kondo Circuit: Effects of Weak Repulsive Interaction in Luttinger Liquid. Communications in Physics, 2020, 30, 1.	0.0	6
8	Nonlinear Seebeck effect of SU(N) Kondo impurity. Physical Review B, 2019, 100, .	3.2	12
9	Kondo effect in a Aharonov-Casher interferometer. Physical Review B, 2019, 100, .	3.2	1
10	Effects of strong electron interactions and resonant scattering on power output of nano-devices. Physical Review B, 2019, 100, .	3.2	6
11	Seebeck effect on a weak link between Fermi and non-Fermi liquids. Physical Review B, 2018, 97, .	3.2	11
12	Tunable RKKY interaction in a double quantum dot nanoelectromechanical device. Physical Review B, 2018, 97, .	3.2	5
13	Two-color Fermi-liquid theory for transport through a multilevel Kondo impurity. Physical Review B, 2018, 97, .	3.2	16
14	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
15	Full counting statistics of the two-stage Kondo effect. Physical Review B, 2018, 98, .	3.2	5
16	Phase diagram of the Hubbard-Kondo lattice model from the variational cluster approximation. Physical Review B, 2018, 97, .	3.2	3
17	Thermoelectric transport through a SU(N) Kondo impurity. Physical Review B, 2017, 96, .	3.2	16
18	Grassmannization of classical models. New Journal of Physics, 2016, 18, 113025.	2.9	3

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19	Coupled multiple-mode theory for $s\pm$ pairing mechanism in iron based superconductors. Scientific Reports, 2016, 6, 37508.	3.3	2
20	Spin-mediated Photomechanical Coupling of a Nanoelectromechanical Shuttle. Physical Review Letters, 2016, 117, 057202.	7.8	9
21	U(1) and SU(2) quantum dissipative systems: the Caldeira–Leggett Versus Ambegaokar–Eckern–Schön approaches. Journal of Experimental and Theoretical Physics, 2016, 122, 576-586.	0.9	2
22	Protection of a non-Fermi liquid by spin-orbit interaction. Physical Review B, 2015, 92, .	3.2	4
23	Shuttle-promoted nano-mechanical current switch. Applied Physics Letters, 2015, 107, 123104.	3.3	0
24	Geometric Quantum Noise of Spin. Physical Review Letters, 2015, 114, 176806.	7.8	18
25	Electronic spin working mechanically (Review Article). Low Temperature Physics, 2014, 40, 600-614.	0.6	7
26	Equilibrium Fermi-liquid coefficients for the fully screened N -channel Kondo model. Physical Review B, 2014, 89, .	3.2	14
27	Self-sustained oscillations in nanoelectromechanical systems induced by Kondo resonance. New Journal of Physics, 2014, 16, 033043.	2.9	1
28	Critical Exponents of the Superfluid–Bose-Glass Transition in Three Dimensions. Physical Review Letters, 2014, 112, 225301.	7.8	38
29	Effects of colored noise on Landau-Zener transitions: Two- and three-level systems. Physical Review B, 2013, 87, .	3.2	39
30	Kondo Force in Shuttling Devices: Dynamical Probe for a Kondo Cloud. Physical Review Letters, 2013, 110, 066804.	7.8	9
31	SU(3) Landau-Zener interferometry. Europhysics Letters, 2013, 104, 57004.	2.0	35
32	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
33	Thermodynamic properties of the superconductivity in quasi-two-dimensional Dirac electronic systems. European Physical Journal B, 2011, 82, 47-52.	1.5	3
34	Interplay of charge and spin in quantum dots: The Ising case. Physical Review B, 2011, 84, .	3.2	8
35	Phase Diagram of the Commensurate Two-Dimensional Disordered Bose-Hubbard Model. Physical Review Letters, 2011, 107, 185301.	7.8	59
36	Spin and charge correlations in quantum dots: An exact solution. JETP Letters, 2010, 92, 179-184.	1.4	16

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37	Asymmetric spin- $\frac{1}{2}$ ladders: Analytical studies supported by exact diagonalization, DMRG, and Monte Carlo simulations. <i>Physical Review B</i> , 2010, 82, .	3.2	18
38	Thermoelectric transport through a quantum dot: Effects of asymmetry in Kondo channels. <i>Physical Review B</i> , 2010, 82, .	3.2	25
39	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
40	Scalar and vector Keldysh models in the time domain. <i>JETP Letters</i> , 2009, 89, 114-119.	1.4	4
41	Spin and charge necklaces at commensurate filling. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042089.	0.4	0
42	Spin and charge necklaces at commensurate filling. <i>Journal of Physics: Conference Series</i> , 2009, 150, 042092.	0.4	0
43	Spin Gap and String Order Parameter in the Ferromagnetic Spiral Staircase Heisenberg Ladder: A Quantum Monte Carlo Study. <i>Physical Review Letters</i> , 2008, 100, 017202.	7.8	9
44	Single-pole ladder at quarter filling. <i>Physical Review B</i> , 2007, 75, .	3.2	5
45	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
46	Kondo effect in organometallic complexes with vibrating ligand shells. <i>Journal of Magnetism and Magnetic Materials</i> , 2007, 310, 2414-2416.	2.3	2
47	Dynamical symmetries and quantum transport through nanostructures. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 3362-3373.	0.8	4
48	Anisotropic Kondo lattice without Nozières exhaustion effect. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 708-709.	2.7	0
49	Transverse spin fluctuations in metallic quantum dots. <i>Physica B: Condensed Matter</i> , 2006, 378-380, 947-948.	2.7	1
50	Kondo lattice without Nozières exhaustion effect. <i>Europhysics Letters</i> , 2006, 74, 1053-1059.	2.0	1
51	Kondo shuttling in a nanoelectromechanical single-electron transistor. <i>Physical Review B</i> , 2006, 74, .	3.2	18
52	Vibration-Induced Kondo Tunneling through Metal-Organic Complexes with Even Electron Occupation Number. <i>Physical Review Letters</i> , 2006, 96, 176801.	7.8	15
53	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
54	Decoherence and dephasing in Kondo tunneling through double quantum dots. <i>Physical Review B</i> , 2006, 74, .	3.2	7

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55	Interplay of Spin and Charge Channels in Zero-Dimensional Systems. <i>Physical Review Letters</i> , 2006, 96, 066805.	7.8	18
56	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
57	Spin gap in a spiral staircase model. <i>Physica B: Condensed Matter</i> , 2005, 359-361, 1406-1408.	2.7	5
58	Spin gap in chains with hidden symmetries. <i>Physical Review B</i> , 2005, 71, .	3.2	17
59	Thermopower of a Kondo Spin-Correlated Quantum Dot. <i>Physical Review Letters</i> , 2005, 95, 176602.	7.8	216
60	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. <i>Physical Review B</i> , 2004, 70, .	3.2	9
61	Ferrimagnetic mixed-spin ladders in weak- and strong-coupling limits. <i>Physical Review B</i> , 2004, 70, .	3.2	8
62	Non-equilibrium Kondo effect in double quantum dot. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1676-1677.	2.3	2
63	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
64	Explicit and Hidden Symmetries in Quantum Dots and Quantum Ladders. , 2004, , 177-189.		2
65	Modulated replica symmetry breaking schemes for antiferrimagnetic spin glasses. <i>European Physical Journal B</i> , 2003, 37, 187-192.	1.5	4
66	Dynamically induced Kondo effect in double quantum dots. <i>JETP Letters</i> , 2003, 77, 366-370.	1.4	6
67	Resonance Kondo tunneling through a double quantum dot at finite bias. <i>Physical Review B</i> , 2003, 68, .	3.2	24
68	Semi-fermionic representation of $SU(N)$ Hamiltonians. <i>European Physical Journal B</i> , 2001, 22, 53-63.	1.5	15
69	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
70	Spin-glass transition in a Kondo lattice with quenched disorder. <i>JETP Letters</i> , 2000, 71, 250-254.	1.4	11
71	Some consequences of electronic topological transition in 2D system on a square lattice: Excitonic ordered states. <i>European Physical Journal B</i> , 2000, 16, 601-611.	1.5	7
72	Schwinger-Keldysh Semionic Approach for Quantum Spin Systems. <i>Physical Review Letters</i> , 2000, 85, 5631-5634.	7.8	33

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73	Thermodynamics of CeNiSn at low temperatures and in weak magnetic fields. Physical Review B, 1999, 59, 15070-15084.	3.2	12
74	New Scenario for High-TcCuprates: Electronic Topological Transition as a Motor for Anomalies in the Underdoped Regime. Physical Review Letters, 1999, 82, 2370-2373.	7.8	55
75	Comment on "Theory of Unconventional Spin Density Wave: A Possible Mechanism of the Micromagnetism in U-based Heavy Fermion Compounds" Physical Review Letters, 1999, 82, 5172-5172.	7.8	3
76	Thermodynamics of CeNiSn at low temperature and in weak magnetic field. Physica B: Condensed Matter, 1999, 259-261, 296-297.	2.7	1
77	Critical dynamics of Heisenberg antiferromagnets: correlation functions above Néel point. Physica B: Condensed Matter, 1999, 259-261, 913-915.	2.7	0
78	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
79	Paramagnetic labeling as a method for the soft spectroscopy of electronic states. Journal of Experimental and Theoretical Physics, 1998, 86, 1008-1019.	0.9	2
80	ELECTRONIC TOPOLOGICAL TRANSITIONS IN 2D ELECTRON SYSTEM ON A SQUARE LATTICE AS A MOTOR FOR THE 'STRANGE-METAL' BEHAVIOUR IN HIGH-Tc CUPRATES. Journal of Physics and Chemistry of Solids, 1998, 59, 1853-1857.	4.0	2
81	Spin liquid in an almost ferromagnetic Kondo lattice. Journal of Experimental and Theoretical Physics, 1997, 85, 399-414.	0.9	2
82	Spin diffusion and relaxation in three-dimensional isotropic Heisenberg antiferromagnets. Journal of Experimental and Theoretical Physics, 1997, 85, 994-1000.	0.9	1
83	Stabilization of spin liquid in Kondo lattice: High temperature regime. Physica B: Condensed Matter, 1997, 230-232, 490-492.	2.7	3
84	Elementary excitations in Kondo-systems CeNiSn and CeRhSb. European Physical Journal D, 1996, 46, 1899-1900.	0.4	3
85	Excitonic instability and origin of the mid-gap states. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2325-2326.	1.2	0
86	On the excitonic mechanism of superconductivity. Physica C: Superconductivity and Its Applications, 1993, 209, 133-136.	1.2	2