

Sergey Smirnov

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Revealing universal Majorana fractionalization using differential shot noise and conductance in nonequilibrium states controlled by tunneling phases. <i>Physical Review B</i> , 2022, 105, .	3.2	13
2	Majorana entropy revival via tunneling phases. <i>Physical Review B</i> , 2021, 103, .	3.2	16
3	Majorana ensembles with fractional entropy and conductance in nanoscopic systems. <i>Physical Review B</i> , 2021, 104, .	3.2	13
4	Unraveling a concealed resonance by multiple Kondo transitions in a quantum dot. <i>Physical Review B</i> , 2020, 101, .	3.2	1
5	Dual Majorana universality in thermally induced nonequilibrium. <i>Physical Review B</i> , 2020, 101, .	3.2	7
6	Majorana finite-frequency nonequilibrium quantum noise. <i>Physical Review B</i> , 2019, 99, .	3.2	19
7	Dynamic Majorana resonances and universal symmetry of nonequilibrium thermoelectric quantum noise. <i>Physical Review B</i> , 2019, 100, .	3.2	20
8	Universal Majorana thermoelectric noise. <i>Physical Review B</i> , 2018, 97, .	3.2	25
9	Non-equilibrium Majorana fluctuations. <i>New Journal of Physics</i> , 2017, 19, 063020.	2.9	20
10	Blocking transport resonances via Kondo many-body entanglement in quantum dots. <i>Nature Communications</i> , 2016, 7, 12442.	12.8	13
11	Majorana tunneling entropy. <i>Physical Review B</i> , 2015, 92, .	3.2	33
12	Orthogonal Cherenkov sound in spin-orbit coupled systems. <i>Scientific Reports</i> , 2015, 5, 11159.	3.3	0
13	Broken SU(4) symmetry in a Kondo-correlated carbon nanotube. <i>Physical Review B</i> , 2015, 91, .	3.2	38
14	Asymmetric Cherenkov acoustic reverse in topological insulators. <i>Physical Review B</i> , 2014, 90, .	3.2	3
15	Keldysh effective action theory for universal physics in spin-1/2 Kondo dots. <i>Physical Review B</i> , 2013, 87, .	3.2	21
16	Nonequilibrium Kondo transport through a quantum dot in a magnetic field. <i>New Journal of Physics</i> , 2013, 15, 073047.	2.9	20
17	Cherenkov sound on a surface of a topological insulator. <i>Physical Review B</i> , 2013, 88, .	3.2	6
18	Spin-channel Keldysh field theory for weakly interacting quantum dots. <i>Physical Review B</i> , 2012, 85, .	3.2	5

#	ARTICLE	IF	CITATIONS
19	Kondo effect in interacting nanoscopic systems: Keldysh field integral theory. Physical Review B, 2011, 84, .	3.2	19
20	Anomalous Cherenkov spin-orbit sound. Physical Review B, 2011, 83, .	3.2	7
21	Slave-boson Keldysh field theory for the Kondo effect in quantum dots. Physical Review B, 2011, 84, .	3.2	17
22	Mass modification of itinerant carriers in RKKY oscillations induced by finite-range exchange interactions. Physical Review B, 2010, 81, .	3.2	2
23	Charge ratchet from spin flip: Space-time symmetry paradox. Physical Review B, 2009, 80, .	3.2	5
24	Ruderman-Kittel-Kasuya-Yosida spin density oscillations: Impact of the finite radius of the exchange interaction. Physical Review B, 2009, 79, .	3.2	6
25	Interplay between quantum dissipation and an in-plane magnetic field in the spin ratchet effect. Physical Review B, 2008, 78, .	3.2	8
26	Quantum Dissipative Rashba Spin Ratchets. Physical Review Letters, 2008, 100, 230601.	7.8	29
27	Bloch's theory in periodic structures with Rashba's spin-orbit interaction. Europhysics Letters, 2007, 80, 27003.	2.0	15
28	Monte Carlo modeling of the electron mobility in strained Si _{1-x} Ge _x layers on arbitrarily oriented Si _{1-y} Ge _y substrates. Solid-State Electronics, 2004, 48, 1325-1335.	1.4	23
29	Rigorous modeling approach to numerical simulation of SiGe HBTs. Applied Surface Science, 2004, 224, 361-364.	6.1	7
30	A Zero Field Monte Carlo Algorithm Accounting for the Pauli Exclusion Principle. Lecture Notes in Computer Science, 2004, , 185-193.	1.3	3
31	Monte Carlo method for modeling of small signal response including the Pauli exclusion principle. Journal of Applied Physics, 2003, 94, 5791-5799.	2.5	14