

Inanc Adagideli

List of Publications by Year in descending order

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55
papers

1,586
citations

331538

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docs citations

55
times ranked

1346
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin Currents in Rough Graphene Nanoribbons: Universal Fluctuations and Spin Injection. <i>Physical Review Letters</i> , 2008, 100, 177207.	2.9	288
2	Symmetry Classes in Graphene Quantum Dots: Universal Spectral Statistics, Weak Localization, and Conductance Fluctuations. <i>Physical Review Letters</i> , 2009, 102, 056806.	2.9	149
3	Intrinsic Spin Hall Edges. <i>Physical Review Letters</i> , 2005, 95, 256602.	2.9	92
4	Effects of electron scattering on the topological properties of nanowires: Majorana fermions from disorder and superlattices. <i>Physical Review B</i> , 2014, 89, .	1.1	83
5	Decay of the Loschmidt Echo for Quantum States with Sub-Planck-Scale Structures. <i>Physical Review Letters</i> , 2002, 89, 154103.	2.9	71
6	Valley-momentum locking in a graphene superlattice with Y-shaped Kekulé bond texture. <i>New Journal of Physics</i> , 2018, 20, 023016.	1.2	55
7	Ehrenfest-time-dependent suppression of weak localization. <i>Physical Review B</i> , 2003, 68, .	1.1	53
8	Mesoscopic Spin Hall Effect. <i>Physical Review Letters</i> , 2007, 98, 196601.	2.9	47
9	Edge effects in graphene nanostructures: From multiple reflection expansion to density of states. <i>Physical Review B</i> , 2011, 84, .	1.1	47
10	Deterministic Creation and Braiding of Chiral Edge Vortices. <i>Physical Review Letters</i> , 2019, 122, 146803.	2.9	41
11	Interfaces within graphene nanoribbons. <i>New Journal of Physics</i> , 2009, 11, 095022.	1.2	38
12	Low-Energy Quasiparticle States near Extended Scatterers in d-Wave Superconductors and Their Connection with SUSY Quantum Mechanics. <i>Physical Review Letters</i> , 1999, 83, 5571-5574.	2.9	37
13	Anomalous power law of quantum reversibility for classically regular dynamics. <i>Europhysics Letters</i> , 2003, 61, 729-735.	0.7	36
14	Chirality blockade of Andreev reflection in a magnetic Weyl semimetal. <i>Physical Review B</i> , 2017, 96, .	1.1	35
15	Detection of Current-Induced Spins by Ferromagnetic Contacts. <i>Physical Review Letters</i> , 2006, 97, 256601.	2.9	34
16	Reentrant topological phase transitions in a disordered spinless superconducting wire. <i>Physical Review B</i> , 2013, 88, .	1.1	28
17	Valley switch in a graphene superlattice due to pseudo-Andreev reflection. <i>Physical Review B</i> , 2018, 97, .	1.1	27
18	Spin accumulation in diffusive conductors with Rashba and Dresselhaus spin-orbit interaction. <i>Physical Review B</i> , 2010, 81, .	1.1	25

#	ARTICLE	IF	CITATIONS
19	Resonant states and order-parameter suppression near pointlike impurities in d-wave superconductors. Physical Review B, 1999, 60, 7517-7522.	1.1	23
20	Ehrenfest-Time-Dependent Excitation Gap in a Chaotic Andreev Billiard. Physical Review Letters, 2002, 89, 237002.	2.9	21
21	Semiclassical approach to the ac conductance of chaotic cavities. Physical Review B, 2009, 80, .	1.1	21
22	Edge effects in graphene nanostructures: Semiclassical theory of spectral fluctuations and quantum transport. Physical Review B, 2011, 84, .	1.1	21
23	Superconductivity Provides Access to the Chiral Magnetic Effect of an Unpaired Weyl Cone. Physical Review Letters, 2017, 118, 207701.	2.9	21
24	Large enhancement of conductivity in Weyl semimetals with tilted cones: Pseudorelativity and linear response. Physical Review B, 2019, 100, .	1.1	21
25	Weyl-Majorana solenoid. New Journal of Physics, 2017, 19, 025006.	1.2	20
26	QUANTAL ANDREEV BILLIARDS: SEMICLASSICAL APPROACH TO MESOSCALE OSCILLATIONS IN THE DENSITY OF STATES. International Journal of Modern Physics B, 2002, 16, 1381-1458.	1.0	18
27	Topologically protected loop flows in high voltage AC power grids. New Journal of Physics, 2016, 18, 103042.	1.2	17
28	Extracting current-induced spins: spin boundary conditions at narrow Hall contacts. New Journal of Physics, 2007, 9, 382-382.	1.2	15
29	Electrical probing of the spin conductance of mesoscopic cavities. Journal of Physics Condensed Matter, 2009, 21, 155503.	0.7	14
30	Topologically Protected Landau Level in the Vortex Lattice of a Weyl Superconductor. Physical Review Letters, 2018, 121, 037701.	2.9	14
31	Suppression of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{I} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ phase slip due to hidden zero modes in one-dimensional topological superconductors. Physical Review B, 2013, 87, .	1.1	13
32	Disorder-induced topological transitions in multichannel Majorana wires. Physical Review B, 2017, 95, .	1.1	13
33	Geometric Correlations and Breakdown of Mesoscopic Universality in Spin Transport. Physical Review Letters, 2010, 105, 246807.	2.9	12
34	Density of states in d-wave superconductors disordered by extended impurities. Physical Review B, 2002, 66, .	1.1	11
35	Quantal Andreev billiards: Density of states oscillations and the spectrum-geometry relationship. Physical Review B, 2002, 65, .	1.1	11
36	Spin conductance of diffusive graphene nanoribbons: A probe of zigzag edge magnetization. Physical Review B, 2013, 88, .	1.1	11

#	ARTICLE	IF	CITATIONS
37	Breakdown of universality in three-dimensional Dirac semimetals with random impurities. Physical Review Research, 2021, 3, .	1.3	11
38	Time-resolved electrical detection of chiral edge vortex braiding. SciPost Physics, 2020, 8, .	1.5	11
39	Anisotropic universal conductance fluctuations in disordered quantum wires with Rashba and Dresselhaus spin-orbit interaction and an applied in-plane magnetic field. Semiconductor Science and Technology, 2009, 24, 064005.	1.0	10
40	Spin Transistor Action from Hidden Onsager Reciprocity. Physical Review Letters, 2012, 108, 236601.	2.9	9
41	Half-integer charge injection by a Josephson junction without excess noise. Physical Review B, 2020, 102, .	1.1	9
42	Work extraction and Landauer's principle in a quantum spin Hall device. Physical Review B, 2018, 97, .	1.1	8
43	Weak Localization in Mesoscopic Hole Transport: Berry Phases and Classical Correlations. Physical Review Letters, 2011, 106, 146801.	2.9	7
44	Probing d-wave pairing correlations in the pseudogap regime of the cuprate superconductors via low-energy states near impurities. Physical Review B, 2001, 64, .	1.1	6
45	Supersymmetry in the Majorana Cooper-pair box. Physical Review B, 2014, 90, .	1.1	6
46	Universal features of spin transport and breaking of unitary symmetries. Physical Review B, 2013, 88, .	1.1	5
47	Universal chiral magnetic effect in the vortex lattice of a Weyl superconductor. Annals of Physics, 2020, 417, 168103.	1.0	4
48	Low-energy quasiparticle excitations in dirty d-wave superconductors and the Bogoliubov-de Gennes kicked rotator. Physical Review B, 2004, 69, .	1.1	3
49	Effect of charge renormalization on the electric and thermoelectric transport along the vortex lattice of a Weyl superconductor. Physical Review B, 2019, 100, .	1.1	3
50	Deconfinement of Majorana Vortex Modes Produces a Superconducting Landau Level. Physical Review Letters, 2021, 126, 226801.	2.9	3
51	Crossed Andreev reflection in topological insulator nanowire T junctions. Physical Review B, 2021, 104, .	1.1	3
52	Universal spatial correlations in random spinor fields. Physical Review E, 2013, 87, 042115.	0.8	2
53	Fermion parity switches of the ground state of Majorana billiards. Physical Review B, 2019, 100, .	1.1	2
54	Gate-controlled spin extraction from topological insulator surfaces. Physical Review B, 2020, 102, .	1.1	1

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55	Measurement of spin-dependent conductivities in a two-dimensional electron gas. Physical Review B, 2010, 82, .	1.1	0