

Jerome Cayssol

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,608
citations

361045

20
h-index

301761

39
g-index

40
all docs

40
docs citations

40
times ranked

1632
citing authors

#	ARTICLE	IF	CITATIONS
19	Nonequilibrium Transport Through a Gate-Controlled Barrier on the Quantum Spin Hall Edge. Physical Review Letters, 2012, 109, 216602.	2.9	21
20	Incomplete Andreev reflection in a clean superconductor-ferromagnet-superconductor junction. Physical Review B, 2005, 71, .	1.1	20
21	Anomalous fluctuation regimes at FFLO transition. Europhysics Letters, 2007, 79, 67001.	0.7	20
22	Interfacial charge and spin transport in Z_2 insulators. Physical Review B, 2011, 83, .	1.1	19
23	Long-range singlet proximity effect in ferromagnetic nanowires. Physical Review B, 2010, 82, .	1.1	16
24	Ballistic transport through irradiated graphene. Physical Review B, 2017, 96, .	1.1	16
25	Andreev spectroscopy of doped HgTe quantum wells. Physical Review B, 2010, 82, .	1.1	13
26	Spin Hall effect at interfaces between HgTe/CdTe quantum wells and metals. Physical Review B, 2011, 84, .	1.1	12
27	Field-Induced Superconductivity with an Enhanced and Tunable Paramagnetic Limit. Physical Review Letters, 2005, 95, 167003.	2.9	11
28	Dynamical response of dissipative helical edge states. Physical Review B, 2014, 90, .	1.1	6
29	Competition between $\tilde{\epsilon}$ -coupling and Fulde-Ferrell-Larkin-Ovchinnikov modulation in a periodic array of ferromagnetic-superconducting bilayers of atomic thickness. Physical Review B, 2006, 73, .	1.1	5
30	Interplay between superconductivity and spin-dependent fields in nanowire-based systems. Physical Review B, 2020, 101, .	1.1	5
31	Andreev spectrum of a Josephson junction with spin-split superconductors. Europhysics Letters, 2016, 115, 67001.	0.7	4
32	Klein tunneling in graphene under substrate electric field. Physics Procedia, 2010, 3, 1243-1248.	1.2	3
33	Conservation of chirality at a junction between two Weyl semimetals. Physical Review B, 2021, 104, .	1.1	3
34	Incomplete Andreev reflection in a clean SFS junction. Journal of Magnetism and Magnetic Materials, 2006, 300, 94-97.	1.0	2
35	Photocurrent and photoconductance of a helical edge state. Physical Review B, 2019, 100, .	1.1	2
36	Anomalous (H,T) phase diagram in bilayered superconducting systems. Physica C: Superconductivity and Its Applications, 2007, 460-462, 1028-1030.	0.6	1

#	ARTICLE	IF	CITATIONS
37	Oscillations of magnetization and conductivity in anisotropic Fulde-Ferrell-Larkin-Ovchinnikov superconductors. <i>Physical Review B</i> , 2009, 79, .	1.1	1
38	Superconducting fluctuations near the FFLO state. <i>Journal of Physics: Conference Series</i> , 2009, 150, 052121.	0.3	1
39	Nonuniform superconductivity in wires with strong spin-orbit coupling. <i>European Physical Journal B</i> , 2020, 93, 1.	0.6	1
40	Topological superconductivity in the one-dimensional interacting Creutz model. <i>Journal of Physics: Conference Series</i> , 2015, 592, 012133.	0.3	0