

Enrico Rossi

List of Publications by Year in descending order

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31
papers

3,970
citations

394421

19
h-index

434195

31
g-index

31
all docs

31
docs citations

31
times ranked

5171
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic transport in two-dimensional graphene. <i>Reviews of Modern Physics</i> , 2011, 83, 407-470.	45.6	2,857
2	Ground State of Graphene in the Presence of Random Charged Impurities. <i>Physical Review Letters</i> , 2008, 101, 166803.	7.8	155
3	Geometric and Conventional Contribution to the Superfluid Weight in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2019, 123, 237002.	7.8	116
4	Effects of Gate-Induced Electric Fields on Semiconductor Majorana Nanowires. <i>Physical Review X</i> , 2018, 8, .	8.9	106
5	Second-order Dirac superconductors and magnetic field induced Majorana hinge modes. <i>Physical Review B</i> , 2019, 100, .	3.2	89
6	Gate controlled anomalous phase shift in Al/InAs Josephson junctions. <i>Nature Communications</i> , 2020, 11, 212.	12.8	87
7	Effective medium theory for disordered two-dimensional graphene. <i>Physical Review B</i> , 2009, 79, .	3.2	83
8	Missing Shapiro steps in topologically trivial Josephson junction on InAs quantum well. <i>Nature Communications</i> , 2021, 12, 78.	12.8	44
9	Dynamics of magnetization coupled to a thermal bath of elastic modes. <i>Physical Review B</i> , 2005, 72, .	3.2	40
10	Improved evolution equations for magnetic island chains in toroidal pinch plasmas subject to externally applied resonant magnetic perturbations. <i>Physics of Plasmas</i> , 2001, 8, 4489-4500.	1.9	36
11	Interlayer Transport in Bilayer Quantum Hall Systems. <i>Physical Review Letters</i> , 2005, 95, 266804.	7.8	36
12	Magnetic Resonance in the Spin Excitation Spectrum of Electron-Doped Cuprate Superconductors. <i>Physical Review Letters</i> , 2007, 99, 047005.	7.8	34
13	Interlayer excitonic superfluidity in graphene. <i>Physical Review B</i> , 2013, 88, .	3.2	33
14	Vortex and Surface Phase Transitions in Superconducting Higher-order Topological Insulators. <i>Physical Review Letters</i> , 2020, 125, 037001.	7.8	31
15	Local, global, and nonlinear screening in twisted double-layer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 6623-6628.	7.1	30
16	Spontaneous interlayer superfluidity in bilayer systems of cold polar molecules. <i>Physical Review A</i> , 2010, 82, .	2.5	26
17	Spatially Dependent Kondo Effect in Quantum Corrals. <i>Physical Review Letters</i> , 2006, 97, 236602.	7.8	25
18	Impurity-induced states in superconducting heterostructures. <i>Physical Review B</i> , 2018, 97, .	3.2	20

#	ARTICLE	IF	CITATIONS
19	Quantum metric and correlated states in two-dimensional systems. Current Opinion in Solid State and Materials Science, 2021, 25, 100952.	11.5	20
20	Superconductivity in twisted graphene $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{NbSe} \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 17 \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle$ heterostructures. Physical Review B, 2019, 99, .	3.2	17
21	Theory of Multiband Superconductivity in Spin-Density-Wave Metals. Physical Review Letters, 2010, 105, 037003.	7.8	15
22	Van Der Waals Heterostructures with Spin-Orbit Coupling. Annalen Der Physik, 2020, 532, 1900344.	2.4	15
23	Control of tearing modes in toroidal fusion experiments using $\hat{\epsilon}$ designer error fields. Physics of Plasmas, 2001, 8, 2760-2770.	1.9	13
24	Electronic structure of graphene nanoribbons on hexagonal boron nitride. Physical Review B, 2018, 98, .	3.2	11
25	Quantum-metric-enabled exciton condensate in double twisted bilayer graphene. Physical Review B, 2022, 105, .	3.2	10
26	Proximity-induced spin-orbit splitting in graphene nanoribbons on transition-metal dichalcogenides. Physical Review B, 2020, 101, .	3.2	9
27	Collective transport in bilayer quantum Hall systems. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 19-24.	2.7	3
28	Vertex corrections for impurity scattering at a ferromagnetic quantum critical point. Physical Review B, 2010, 81, .	3.2	3
29	Spin-charge coupled transport in van der Waals systems with random tunneling. Physical Review Research, 2019, 1, .	3.6	3
30	Identifying collective modes through impurity pinning in cuprate superconductors. Physical Review B, 2008, 78, .	3.2	2
31	Klein Tunneling in Graphene p-n-p Junctions. ECS Transactions, 2011, 35, 271-276.	0.5	1