

# Luciano Ricco

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

263  
citations

933410

10  
h-index

940516

16  
g-index

21  
all docs

21  
docs citations

21  
times ranked

140  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-dependent zero-bias peak in a hybrid nanowire-quantum dot system: Distinguishing isolated Majorana fermions from Andreev bound states. <i>Physical Review B</i> , 2019, 99, .	3.2	58
2	Majorana oscillations modulated by Fano interference and degree of nonlocality in a topological superconducting-nanowireâ€“quantum-dot system. <i>Physical Review B</i> , 2018, 98, .	3.2	32
3	Tuning of heat and charge transport by Majorana fermions. <i>Scientific Reports</i> , 2018, 8, 2790.	3.3	24
4	Probing the antisymmetric Fano interference assisted by a Majorana fermion. <i>Journal of Applied Physics</i> , 2014, 116, .	2.5	19
5	Encrypting Majorana fermion qubits as bound states in the continuum. <i>Physical Review B</i> , 2017, 96, .	3.2	17
6	Decay of bound states in the continuum of Majorana fermions induced by vacuum fluctuations: Proposal of qubit technology. <i>Physical Review B</i> , 2016, 93, .	3.2	15
7	Interaction induced hybridization of Majorana zero modes in a coupled quantum-dotâ€“superconducting-nanowire hybrid system. <i>Physical Review B</i> , 2020, 102, .	3.2	15
8	Unveiling Majorana quasiparticles by a quantum phase transition: Proposal of a current switch. <i>Physical Review B</i> , 2016, 94, .	3.2	12
9	Catching the bound states in the continuum of a phantom atom in graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	11
10	Topological isoconductance signatures in Majorana nanowires. <i>Scientific Reports</i> , 2021, 11, 17310.	3.3	10
11	Quantum phase transition triggering magnetic bound states in the continuum in graphene. <i>Physical Review B</i> , 2015, 92, .	3.2	8
12	Majorana molecules and their spectral fingerprints. <i>Physical Review B</i> , 2020, 102, .	3.2	8
13	Accessing the degree of Majorana nonlocality in a quantum dot-optical microcavity system. <i>Scientific Reports</i> , 2022, 12, 1983.	3.3	8
14	Isolating Majorana fermions with finite Kitaev nanowires and temperature: Universality of the zero-bias conductance. <i>Physical Review B</i> , 2017, 96, .	3.2	7
15	Antibonding ground state of adatom molecules in bulk Dirac semimetals. <i>Physical Review B</i> , 2017, 96, .	3.2	6
16	Effect of interdots electronic repulsion in the Majorana signature for a double dot interferometer. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 78, 25-30.	2.7	3
17	Atomic frustrated impurity states in Weyl metals. <i>Physical Review B</i> , 2020, 102, .	3.2	3
18	Fano fingerprints of Majoranas in Kitaev dimers of superconducting adatoms. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2016, 83, 297-305.	2.7	2

#	ARTICLE	IF	CITATIONS
19	Realization of anomalous multiferroicity in free-standing graphene with magnetic adatoms. Physical Review B, 2016, 94, .	3.2	2
20	Spin-polarized Majorana zero modes in double zigzag honeycomb nanoribbons. Physical Review B, 2022, 105, .	3.2	2
21	Topological charge Fano effect in multi-Weyl semimetals. Physical Review B, 2022, 105, .	3.2	1