

# Ion C Fulga

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,402  
citations

393982

19  
h-index

454577

30  
g-index

30  
all docs

30  
docs citations

30  
times ranked

1615  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flux-controlled quantum computation with Majorana fermions. <i>Physical Review B</i> , 2013, 88, .	1.1	253
2	Scattering formula for the topological quantum number of a disordered multimode wire. <i>Physical Review B</i> , 2011, 83, .	1.1	157
3	Scattering theory of topological insulators and superconductors. <i>Physical Review B</i> , 2012, 85, .	1.1	137
4	Spatially resolved edge currents and guided-wave electronic states in graphene. <i>Nature Physics</i> , 2016, 12, 128-133.	6.5	105
5	Adaptive tuning of Majorana fermions in a quantum dot chain. <i>New Journal of Physics</i> , 2013, 15, 045020.	1.2	75
6	Statistical topological insulators. <i>Physical Review B</i> , 2014, 89, .	1.1	71
7	Aperiodic Weak Topological Superconductors. <i>Physical Review Letters</i> , 2016, 116, 257002.	2.9	61
8	Scattering matrix invariants of Floquet topological insulators. <i>Physical Review B</i> , 2016, 93, .	1.1	53
9	Triple point fermions in a minimal symmorphic model. <i>Physical Review B</i> , 2017, 95, .	1.1	48
10	Statistical translation invariance protects a topological insulator from interactions. <i>Physical Review B</i> , 2015, 92, .	1.1	47
11	Quantum phase transitions of a disordered antiferromagnetic topological insulator. <i>Physical Review B</i> , 2014, 89, .	1.1	38
12	Topological quantum number and critical exponent from conductance fluctuations at the quantum Hall plateau transition. <i>Physical Review B</i> , 2011, 84, .	1.1	34
13	Coexisting Edge States and Gapless Bulk in Topological States of Matter. <i>Physical Review Letters</i> , 2015, 114, 136801.	2.9	34
14	Double Weyl points and Fermi arcs of topological semimetals in non-Abelian gauge potentials. <i>Physical Review A</i> , 2016, 94, .	1.0	32
15	Coupled-layer description of topological crystalline insulators. <i>Physical Review B</i> , 2016, 94, .	1.1	29
16	Bimodal conductance distribution of Kitaev edge modes in topological superconductors. <i>New Journal of Physics</i> , 2014, 16, 063049.	1.2	27
17	Extended topological group structure due to average reflection symmetry. <i>New Journal of Physics</i> , 2015, 17, 043014.	1.2	27
18	Observation of Electron Coherence and Fabry-Pérot Standing Waves at a Graphene Edge. <i>Nano Letters</i> , 2017, 17, 7380-7386.	4.5	26

#	ARTICLE	IF	CITATIONS
19	Thermal metal-insulator transition in a helical topological superconductor. Physical Review B, 2012, 86, .	1.1	23
20	Effects of disorder on Coulomb-assisted braiding of Majorana zero modes. Physical Review B, 2013, 88, .	1.1	19
21	Topological phase transitions driven by non-Abelian gauge potentials in optical square lattices. Physical Review A, 2013, 88, .	1.0	18
22	Localization Counteracts Decoherence in Noisy Floquet Topological Chains. Physical Review Letters, 2018, 120, 216801.	2.9	17
23	$\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{P} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{T} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Weyl semimetals in gauge-symmetric systems. Physical Review B, 2016, 94, .$		
24	Phase-locked magnetoconductance oscillations as a probe of Majorana edge states. Physical Review B, 2013, 87, .	1.1	13
25	Gapless topological superconductors: Model Hamiltonian and realization. Physical Review B, 2015, 92, .	1.1	13
26	Nonzero temperature effects on antibunched photons emitted by a quantum point contact out of equilibrium. Physical Review B, 2010, 81, .	1.1	10
27	Hot Electrons Regain Coherence in Semiconducting Nanowires. Physical Review X, 2017, 7, .	2.8	8
28	Chirality flip of Weyl nodes and its manifestation in strained $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{MoTe} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle \text{2} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Physical Review Research, 2021, 3, .$		
29	Exact diagonalization of cubic lattice models in commensurate Abelian magnetic fluxes and translational invariant non-Abelian potentials. Journal of Physics A: Mathematical and Theoretical, 2017, 50, 455301.	0.7	4
30	Background analysis of field-induced electron emission from nanometer-scale heterostructured emitters. Journal of Vacuum Science & Technology B, 2009, 27, 711-718.	1.3	1