

# Mircea Trif

## List of Publications by Year in descending order

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22  
papers

943  
citations

758635

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676716

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1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Spin-Electric Coupling in Molecular Magnets. <i>Physical Review Letters</i> , 2008, 101, 217201.	2.9	173
2	Strong spin-orbit interaction and helical hole states in Ge/Si nanowires. <i>Physical Review B</i> , 2011, 84, .	1.1	158
3	Two-dimensional topological superconductivity in Pb/Co/Si(111). <i>Nature Communications</i> , 2017, 8, 2040.	5.8	154
4	Circuit QED with hole-spin qubits in Ge/Si nanowire quantum dots. <i>Physical Review B</i> , 2013, 88, .	1.1	85
5	Spin electric effects in molecular antiferromagnets. <i>Physical Review B</i> , 2010, 82, .	1.1	81
6	Long-Distance Spin-Spin Coupling via Floating Gates. <i>Physical Review X</i> , 2012, 2, .	2.8	74
7	Relaxation of Hole Spins in Quantum Dots via Two-Phonon Processes. <i>Physical Review Letters</i> , 2009, 103, 106601.	2.9	62
8	Cavity quantum electrodynamics with mesoscopic topological superconductors. <i>Physical Review B</i> , 2015, 92, .	1.1	42
9	Braiding of Majorana Fermions in a Cavity. <i>Physical Review Letters</i> , 2019, 122, 236803.	2.9	21
10	Acoustic phonons and strain in core/shell nanowires. <i>Physical Review B</i> , 2014, 90, .	1.1	20
11	Yu-Shiba-Rusinov Qubit. <i>PRX Quantum</i> , 2021, 2, .	3.5	14
12	Controlling topological superconductivity by magnetization dynamics. <i>Physical Review B</i> , 2017, 96, .	1.1	13
13	Dynamic Magnetoelectric Effect in Ferromagnet/Superconductor Tunnel Junctions. <i>Physical Review Letters</i> , 2013, 111, 087602.	2.9	11
14	Theory of electromechanical coupling in dynamical graphene. <i>Physical Review B</i> , 2013, 88, .	1.1	9
15	Dynamical Shiba states from precessing magnetic moments in an s-wave superconductor. <i>Physical Review B</i> , 2017, 95, .	1.1	6
16	Electron-hole entanglement in a quantum spin Hall insulator. <i>Physical Review B</i> , 2014, 89, .	1.1	4
17	Detecting spin current noise in quantum magnets with photons. <i>Physical Review B</i> , 2019, 99, .	1.1	3
18	Dynamics of a Majorana Trijunction in a Microwave Cavity. <i>Advanced Quantum Technologies</i> , 2019, 2, 1900091.	1.8	3

#	ARTICLE	IF	CITATIONS
19	Theory of topological spin Josephson junctions. Physical Review Research, 2021, 3, .	1.3	3
20	Topological charge, spin, and heat transistor. Physical Review B, 2021, 103, .	1.1	3
21	Dynamical torque from Shiba states in s-wave superconductors. Physical Review B, 2021, 103, .	1.1	2
22	Berry phase induced entanglement of hole-spin qubits in a microwave cavity. Physical Review B, 2021, 104, .	1.1	2