

# Guilherme Tosi

## List of Publications by Year in descending order

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19  
papers

1,003  
citations

687363

13  
h-index

794594

19  
g-index

19  
all docs

19  
docs citations

19  
times ranked

951  
citing authors

#	ARTICLE	IF	CITATIONS
1	Persistent currents and quantized vortices in a polariton superfluid. <i>Nature Physics</i> , 2010, 6, 527-533.	16.7	282
2	Sculpting oscillators with light within a nonlinear quantum fluid. <i>Nature Physics</i> , 2012, 8, 190-194.	16.7	191
3	Silicon quantum processor with robust long-distance qubit couplings. <i>Nature Communications</i> , 2017, 8, 450.	12.8	123
4	Geometrically locked vortex lattices in semiconductor quantum fluids. <i>Nature Communications</i> , 2012, 3, 1243.	12.8	101
5	Polariton ring condensates and sunflower ripples in an expanding quantum liquid. <i>Physical Review B</i> , 2012, 85, .	3.2	48
6	Onset and Dynamics of Vortex-Antivortex Pairs in Polariton Optical Parametric Oscillator Superfluids. <i>Physical Review Letters</i> , 2011, 107, 036401.	7.8	42
7	Dynamics of a polariton condensate transistor switch. <i>Applied Physics Letters</i> , 2012, 101, .	3.3	36
8	Breaking the rotating wave approximation for a strongly driven dressed single-electron spin. <i>Physical Review B</i> , 2016, 94, .	3.2	31
9	Energy relaxation of exciton-polariton condensates in quasi-one-dimensional microcavities. <i>Physical Review B</i> , 2013, 88, .	3.2	30
10	Circuit-quantum electrodynamics with direct magnetic coupling to single-atom spin qubits in isotopically enriched $^{28}\text{Si}$ . <i>AIP Advances</i> , 2014, 4, .	1.3	28
11	Coherence properties of exciton polariton OPO condensates in one and two dimensions. <i>New Journal of Physics</i> , 2012, 14, 075018.	2.9	19
12	Oscillatory solitons and time-resolved phase locking of two polariton condensates. <i>New Journal of Physics</i> , 2014, 16, 103039.	2.9	18
13	Role of supercurrents on vortices formation in polariton condensates. <i>Optics Express</i> , 2012, 20, 16366.	3.4	17
14	Robust electric dipole transition at microwave frequencies for nuclear spin qubits in silicon. <i>Physical Review B</i> , 2018, 98, .	3.2	13
15	Quantum coherence in momentum space of light-matter condensates. <i>Physical Review B</i> , 2014, 90, .	3.2	8
16	Vortex stability and permanent flow in nonequilibrium polariton condensates. <i>Journal of Applied Physics</i> , 2011, 109, 102406.	2.5	6
17	Ignition and formation dynamics of a polariton condensate on a semiconductor microcavity pillar. <i>Physical Review B</i> , 2014, 90, .	3.2	5
18	Optical induced vortices and persistent currents in polariton condensates. <i>Journal of Physics: Conference Series</i> , 2010, 210, 012023.	0.4	3

#	ARTICLE	IF	CITATIONS
19	Simulation of the time evolution of the Wigner function with a first-principles Monte Carlo method. Physical Review E, 2009, 80, 036701.	2.1	2