

Tommaso Pregnolato

List of Publications by Year in descending order

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17
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1,163
citations

759233

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docs citations

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1426
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Reconstruction of the Few-Photon Nonlinear Scattering Matrix from a Single Quantum Dot in a Nanophotonic Waveguide. <i>Physical Review Letters</i> , 2021, 126, 023603.	7.8	27
2	Lifetimes and Quantum Efficiencies of Quantum Dots Deterministically Positioned in Photonic Crystal Waveguides. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000026.	3.9	4
3	Deterministic positioning of nanophotonic waveguides around single self-assembled quantum dots. <i>APL Photonics</i> , 2020, 5, 086101.	5.7	28
4	Coherent Optical Control of a Quantum-Dot Spin-Qubit in a Waveguide-Based Spin-Photon Interface. <i>Physical Review Applied</i> , 2019, 11, .	3.8	20
5	Quantum Optics with Near-Lifetime-Limited Quantum-Dot Transitions in a Nanophotonic Waveguide. <i>Nano Letters</i> , 2018, 18, 1801-1806.	9.1	49
6	Spin-photon interface and spin-controlled photon switching in a nanobeam waveguide. <i>Nature Nanotechnology</i> , 2018, 13, 398-403.	31.5	85
7	Carrier-mediated optomechanical forces in semiconductor nanomembranes with coupled quantum wells. <i>Physical Review B</i> , 2018, 98, .	3.2	6
8	Spin-Photon Interface Controlled Optical Switching in a Nanobeam Waveguide. , 2018, , .		0
9	Near lifetime-limited emitter in a nanophotonic waveguide. , 2018, , .		0
10	Indistinguishable and efficient single photons from a quantum dot in a planar nanobeam waveguide. <i>Physical Review B</i> , 2017, 96, .	3.2	85
11	Narrow optical linewidths and spin pumping on charge-tunable close-to-surface self-assembled quantum dots in an ultrathin diode. <i>Physical Review B</i> , 2017, 96, .	3.2	29
12	Efficient fiber-coupled single-photon source based on quantum dots in a photonic-crystal waveguide. <i>Optica</i> , 2017, 4, 178.	9.3	87
13	Reconfigurable quantum photonic circuits based on nano-electro-mechanical systems. , 2015, , .		0
14	Soft-mask fabrication of gallium arsenide nanomembranes for integrated quantum photonics. <i>Nanotechnology</i> , 2015, 26, 484002.	2.6	39
15	Deterministic photon-emitter coupling in chiral photonic circuits. <i>Nature Nanotechnology</i> , 2015, 10, 775-778.	31.5	466
16	Single-photon non-linear optics with a quantum dot in a waveguide. <i>Nature Communications</i> , 2015, 6, 8655.	12.8	196
17	Ion exchange doping of solar cell coverglass for sunlight down-shifting. <i>Solar Energy Materials and Solar Cells</i> , 2014, 130, 272-280.	6.2	42