# Tommaso Pregnolato

List of Publications by Year
in descending order



| 17 | 1,163 | 759233 12 | 1058476 14 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 17 | 17 | 17 | 1426 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

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