

# Pietro Lombardi

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

1,021  
citations

567281

15  
h-index

526287

27  
g-index

35  
all docs

35  
docs citations

35  
times ranked

1163  
citing authors

#	ARTICLE	IF	CITATIONS
1	A one-dimensional liquid of fermions with tunable spin. <i>Nature Physics</i> , 2014, 10, 198-201.	16.7	323
2	Direct Observation of Coherent Interorbital Spin-Exchange Dynamics. <i>Physical Review Letters</i> , 2014, 113, 120402.	7.8	141
3	Single organic molecules for photonic quantum technologies. <i>Nature Materials</i> , 2021, 20, 1615-1628.	27.5	79
4	Self-Assembled Nanocrystals of Polycyclic Aromatic Hydrocarbons Show Photostable Single-Photon Emission. <i>ACS Nano</i> , 2018, 12, 4295-4303.	14.6	54
5	Photostable Molecules on Chip: Integrated Sources of Nonclassical Light. <i>ACS Photonics</i> , 2018, 5, 126-132.	6.6	51
6	Electromagnetically induced transparency in an inhomogeneously broadened $\hat{\sigma}$ transition with multiple excited levels. <i>Physical Review A</i> , 2011, 83, .	2.5	44
7	Beaming light from a quantum emitter with a planar optical antenna. <i>Light: Science and Applications</i> , 2017, 6, e16245-e16245.	16.6	41
8	A realistic fabrication and design concept for quantum gates based on single emitters integrated in plasmonic-dielectric waveguide structures. <i>Scientific Reports</i> , 2016, 6, 28877.	3.3	37
9	A multi-state interferometer on an atom chip. <i>New Journal of Physics</i> , 2013, 15, 043002.	2.9	36
10	Electrical Control of Lifetime-Limited Quantum Emitters Using 2D Materials. <i>Nano Letters</i> , 2019, 19, 3789-3795.	9.1	30
11	A Molecule-Based Single-Photon Source Applied in Quantum Radiometry. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900083.	3.9	25
12	Triggered emission of indistinguishable photons from an organic dye molecule. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	21
13	Ergodicity in randomly perturbed quantum systems. <i>Quantum Science and Technology</i> , 2017, 2, 015007.	5.8	19
14	Laser-Induced Frequency Tuning of Fourier-Limited Single-Molecule Emitters. <i>ACS Nano</i> , 2020, 14, 13584-13592.	14.6	19
15	A 3D Polymeric Platform for Photonic Quantum Technologies. <i>Advanced Quantum Technologies</i> , 2020, 3, 2000004.	3.9	19
16	Enhancing electromagnetically-induced transparency in a multilevel broadened medium. <i>Optics Express</i> , 2012, 20, 4346.	3.4	17
17	A compact ultranarrow high-power laser system for experiments with 578 nm ytterbium clock transition. <i>Review of Scientific Instruments</i> , 2015, 86, 073111.	1.3	12
18	Narrow Line Width Quantum Emitters in an Electron-Beam-Shaped Polymer. <i>ACS Photonics</i> , 2019, 6, 3120-3125.	6.6	9

#	ARTICLE	IF	CITATIONS
19	Real-time two-photon interference from distinct molecules on the same chip. <i>Optica</i> , 2022, 9, 731.	9.3	8
20	Reading the phase of a Raman excitation with a multi-state atomic interferometer. <i>Optics Express</i> , 2014, 22, 19141.	3.4	6
21	Atomic-ensemble-based quantum memory for sideband modulations. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2009, 42, 114010.	1.5	4
22	Cold and Hot Spots: From Inhibition to Enhancement by Nanoscale Phase Tuning of Optical Nanoantennas. <i>Nano Letters</i> , 2020, 20, 6756-6762.	9.1	4
23	Single photon sources for quantum radiometry: a brief review about the current state-of-the-art. <i>Applied Physics B: Lasers and Optics</i> , 2022, 128, 1.	2.2	3
24	Enhancement of electromagnetically induced transparency in room temperature alkali metal vapor. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2011, 111, 583-588.	0.6	2
25	Control of a Bose-Einstein condensate on a chip by external optical and magnetic potentials. <i>Annals of Physics</i> , 2012, 327, 2152-2165.	2.8	1
26	3D Laser Writing Around Lifetime-Limited Quantum Emitters. , 2019, , .		1
27	Degenerate quantum gases manipulation on AtomChips. <i>Physica Scripta</i> , 2012, T149, 014002.	2.5	0
28	Light pulse analysis with a multi-state atom interferometer. , 2014, , .		0
29	Planar Optical Antennas as Efficient Single-Photon Sources for Free-Space and Fiber-Based Operation in Quantum Optics and Metrology. , 2019, , .		0
30	Quantum information storage in atomic media. , 2012, , .		0
31	A multi-state interferometer on an atom chip. , 2013, , .		0
32	Indistinguishable Photons from a Single Molecule under Pulsed Excitation. <i>EPJ Web of Conferences</i> , 2021, 255, 06002.	0.3	0
33	Organic Dye Molecules as Single Photon Sources for Optical Quantum Technologies. , 2021, , .		0