

Vincenzo D'Ambrosio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3370516/publications.pdf>

Version: 2024-02-01

29
papers

1,847
citations

393982

19
h-index

476904

29
g-index

29
all docs

29
docs citations

29
times ranked

1841
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrated quantum polariton interferometry. <i>Communications Physics</i> , 2022, 5, .	2.0	6
2	Ultra-sensitive measurement of transverse displacements with linear photonic gears. <i>Nature Communications</i> , 2022, 13, 1080.	5.8	16
3	Slow thermo-optomechanical pulsations in suspended one-dimensional photonic crystal nanocavities. <i>Physical Review A</i> , 2020, 102, .	1.0	2
4	Hyperentanglement in structured quantum light. <i>Physical Review Research</i> , 2020, 2, .	1.3	15
5	Tunable Two-Photon Quantum Interference of Structured Light. <i>Physical Review Letters</i> , 2019, 122, 013601.	2.9	23
6	Experimental Study of Nonclassical Teleportation Beyond Average Fidelity. <i>Physical Review Letters</i> , 2018, 121, 140501.	2.9	9
7	Symmetry Protection of Photonic Entanglement in the Interaction with a Single Nanoaperture. <i>Physical Review Letters</i> , 2018, 121, 173901.	2.9	18
8	Single-Photon Quantum Contextuality on a Chip. <i>ACS Photonics</i> , 2017, 4, 2807-2812.	3.2	16
9	Experimental investigation on the geometry of GHZ states. <i>Scientific Reports</i> , 2017, 7, 13265.	1.6	16
10	Entangled vector vortex beams. <i>Physical Review A</i> , 2016, 94, .	1.0	63
11	Birth and evolution of an optical vortex. <i>Optics Express</i> , 2016, 24, 16390.	1.7	16
12	Testing noncontextuality inequalities that are building blocks of quantum correlations. <i>Physical Review A</i> , 2015, 92, .	1.0	14
13	Thermally reconfigurable quantum photonic circuits at telecom wavelength by femtosecond laser micromachining. <i>Light: Science and Applications</i> , 2015, 4, e354-e354.	7.7	103
14	Arbitrary, direct and deterministic manipulation of vector beams via electrically-tuned q-plates. <i>Scientific Reports</i> , 2015, 5, 7840.	1.6	30
15	Resilience of hybrid optical angular momentum qubits to turbulence. <i>Scientific Reports</i> , 2015, 5, 8424.	1.6	23
16	Storage and retrieval of vector beams of light in a multiple-degree-of-freedom quantum memory. <i>Nature Communications</i> , 2015, 6, 7706.	5.8	214
17	Generation of tunable entanglement and violation of a Bell-like inequality between different degrees of freedom of a single photon. <i>Physical Review A</i> , 2014, 90, .	1.0	23
18	Device-Independent Certification of High-Dimensional Quantum Systems. <i>Physical Review Letters</i> , 2014, 112, 140503.	2.9	33

#	ARTICLE	IF	CITATIONS
19	Free-Space Quantum Key Distribution by Rotation-Invariant Twisted Photons. Physical Review Letters, 2014, 113, 060503.	2.9	331
20	Experimental Entanglement Activation from Discord in a Programmable Quantum Measurement. Physical Review Letters, 2014, 112, 140501.	2.9	42
21	Photonic polarization gears for ultra-sensitive angular measurements. Nature Communications, 2013, 4, 2432.	5.8	257
22	Test of mutually unbiased bases for six-dimensional photonic quantum systems. Scientific Reports, 2013, 3, 2726.	1.6	35
23	Experimental Implementation of a Kochen-Specker Set of Quantum Tests. Physical Review X, 2013, 3, .	2.8	49
24	Complete experimental toolbox for alignment-free quantum communication. Nature Communications, 2012, 3, 961.	5.8	264
25	Experimental Observation of Impossible-to-Beat Quantum Advantage on a Hybrid Photonic System. Physical Review Letters, 2012, 108, 090501.	2.9	28
26	Testing sequential quantum measurements: how can maximal knowledge be extracted?. Scientific Reports, 2012, 2, 443.	1.6	19
27	Deterministic qubit transfer between orbital and spin angular momentum of single photons. Optics Letters, 2012, 37, 172.	1.7	26
28	Hybrid ququart-encoded quantum cryptography protected by Kochen-Specker contextuality. Physical Review A, 2011, 84, .	1.0	42
29	Photon spin-to-orbital angular momentum conversion via an electrically tunable q-plate. Applied Physics Letters, 2010, 97, .	1.5	114