

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	Free-Space Quantum Key Distribution by Rotation-Invariant Twisted Photons. <i>Physical Review Letters</i> , 2014, 113, 060503.	2.9	331
2	Complete experimental toolbox for alignment-free quantum communication. <i>Nature Communications</i> , 2012, 3, 961.	5.8	264
3	Photonic polarization gears for ultra-sensitive angular measurements. <i>Nature Communications</i> , 2013, 4, 2432.	5.8	257
4	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
5	Photon spin-to-orbital angular momentum conversion via an electrically tunable q-plate. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	114
6	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
7	Entangled vector vortex beams. <i>Physical Review A</i> , 2016, 94, .	1.0	63
8	Experimental Implementation of a Kochen-Specker Set of Quantum Tests. <i>Physical Review X</i> , 2013, 3, .	2.8	49
9	Hybrid ququart-encoded quantum cryptography protected by Kochen-Specker contextuality. <i>Physical Review A</i> , 2011, 84, .	1.0	42
10	Experimental Entanglement Activation from Discord in a Programmable Quantum Measurement. <i>Physical Review Letters</i> , 2014, 112, 140501.	2.9	42
11	Test of mutually unbiased bases for six-dimensional photonic quantum systems. <i>Scientific Reports</i> , 2013, 3, 2726.	1.6	35
12	Device-Independent Certification of High-Dimensional Quantum Systems. <i>Physical Review Letters</i> , 2014, 112, 140503.	2.9	33
13	Arbitrary, direct and deterministic manipulation of vector beams via electrically-tuned q-plates. <i>Scientific Reports</i> , 2015, 5, 7840.	1.6	30
14	Experimental Observation of Impossible-to-Beat Quantum Advantage on a Hybrid Photonic System. <i>Physical Review Letters</i> , 2012, 108, 090501.	2.9	28
15	Deterministic qubit transfer between orbital and spin angular momentum of single photons. <i>Optics Letters</i> , 2012, 37, 172.	1.7	26
16	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
17	Resilience of hybrid optical angular momentum qubits to turbulence. <i>Scientific Reports</i> , 2015, 5, 8424.	1.6	23
18	Tunable Two-Photon Quantum Interference of Structured Light. <i>Physical Review Letters</i> , 2019, 122, 013601.	2.9	23

#	ARTICLE	IF	CITATIONS
19	Testing sequential quantum measurements: how can maximal knowledge be extracted?. Scientific Reports, 2012, 2, 443.	1.6	19
20	Symmetry Protection of Photonic Entanglement in the Interaction with a Single Nanoaperture. Physical Review Letters, 2018, 121, 173901.	2.9	18
21	Birth and evolution of an optical vortex. Optics Express, 2016, 24, 16390.	1.7	16
22	Single-Photon Quantum Contextuality on a Chip. ACS Photonics, 2017, 4, 2807-2812.	3.2	16
23	Experimental investigation on the geometry of GHZ states. Scientific Reports, 2017, 7, 13265.	1.6	16
24	Ultra-sensitive measurement of transverse displacements with linear photonic gears. Nature Communications, 2022, 13, 1080.	5.8	16
25	Hyperentanglement in structured quantum light. Physical Review Research, 2020, 2, .	1.3	15
26	Testing noncontextuality inequalities that are building blocks of quantum correlations. Physical Review A, 2015, 92, .	1.0	14
27	Experimental Study of Nonclassical Teleportation Beyond Average Fidelity. Physical Review Letters, 2018, 121, 140501.	2.9	9
28	Integrated quantum polariton interferometry. Communications Physics, 2022, 5, .	2.0	6
29	Slow thermo-optomechanical pulsations in suspended one-dimensional photonic crystal nanocavities. Physical Review A, 2020, 102, .	1.0	2