

Enrico Pomarico

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,387
citations

331538

21
h-index

377752

34
g-index

41
all docs

41
docs citations

41
times ranked

1792
citing authors

#	ARTICLE	IF	CITATIONS
1	Attosecond coherent control of free-electron wave functions using semi-infinite light fields. <i>Nature Communications</i> , 2018, 9, 2694.	5.8	136
2	Realization and Characterization of a Two-Photon Four-Qubit Linear Cluster State. <i>Physical Review Letters</i> , 2007, 98, 180502.	2.9	120
3	Ultrafast generation and control of an electron vortex beam via chiral plasmonic near fields. <i>Nature Materials</i> , 2019, 18, 573-579.	13.3	120
4	Laser-Induced Skyrmion Writing and Erasing in an Ultrafast Cryo-Lorentz Transmission Electron Microscope. <i>Physical Review Letters</i> , 2018, 120, 117201.	2.9	115
5	Active One-Way Quantum Computation with Two-Photon Four-Qubit Cluster States. <i>Physical Review Letters</i> , 2008, 100, 160502.	2.9	83
6	meV Resolution in Laser-Assisted Energy-Filtered Transmission Electron Microscopy. <i>ACS Photonics</i> , 2018, 5, 759-764.	3.2	70
7	Waveguide-based OPO source of entangled photon pairs. <i>New Journal of Physics</i> , 2009, 11, 113042.	1.2	66
8	Holographic imaging of electromagnetic fields via electron-light quantum interference. <i>Science Advances</i> , 2019, 5, eaav8358.	4.7	58
9	Enhanced electron-phonon coupling in graphene with periodically distorted lattice. <i>Physical Review B</i> , 2017, 95, .	1.1	45
10	Dual Luminescence, Interligand Decay, and Nonradiative Electronic Relaxation of Cyclometalated Iridium Complexes in Solution. <i>Journal of Physical Chemistry C</i> , 2016, 120, 16459-16469.	1.5	42
11	MHz rate and efficient synchronous heralding of single photons at telecom wavelengths. <i>Optics Express</i> , 2012, 20, 23846.	1.7	38
12	Engineering integrated pure narrow-band photon sources. <i>New Journal of Physics</i> , 2012, 14, 033008.	1.2	37
13	Experimental realization of polarization qutrits from nonmaximally entangled states. <i>Physical Review A</i> , 2007, 76, .	1.0	36
14	Room temperature photon number resolving detector for infrared wavelengths. <i>Optics Express</i> , 2010, 18, 10750.	1.7	35
15	Experimental amplification of an entangled photon: what if the detection loophole is ignored?. <i>New Journal of Physics</i> , 2011, 13, 063031.	1.2	33
16	Clocking the Ultrafast Electron Cooling in Anatase Titanium Dioxide Nanoparticles. <i>ACS Photonics</i> , 2018, 5, 1241-1249.	3.2	33
17	Cloning entangled photons to scales one can see. <i>Physical Review A</i> , 2010, 82, .	1.0	32
18	Ligand-Centred Fluorescence and Electronic Relaxation Cascade at Vibrational Time Scales in Transition-Metal Complexes. <i>Journal of Physical Chemistry Letters</i> , 2015, 6, 4475-4480.	2.1	29

#	ARTICLE	IF	CITATIONS
19	Interfacial Electron Injection Probed by a Substrate-Specific Excitonic Signature. <i>Journal of the American Chemical Society</i> , 2017, 139, 11584-11589.	6.6	27
20	Retardation of Bulk Water Dynamics by Disaccharide Osmolytes. <i>Journal of Physical Chemistry B</i> , 2016, 120, 9477-9483.	1.2	26
21	One-way quantum computation with two-photon multiqubit cluster states. <i>Physical Review A</i> , 2008, 78, .	1.0	24
22	Ultrafast electron energy-loss spectroscopy in transmission electron microscopy. <i>MRS Bulletin</i> , 2018, 43, 497-503.	1.7	22
23	Photophysical Heavy-Atom Effect in Iodinated Metalloporphyrins: Spin-Orbit Coupling and Density of States. <i>Journal of Physical Chemistry A</i> , 2018, 122, 7256-7266.	1.1	22
24	Quantum Cloning for Absolute Radiometry. <i>Physical Review Letters</i> , 2010, 105, 080503.	2.9	19
25	Distributed temperature sensor combining centimeter resolution with hundreds of meters sensing range. <i>Optics Express</i> , 2022, 30, 6768.	1.7	19
26	Interaction of independent single photons based on integrated nonlinear optics. <i>Nature Communications</i> , 2013, 4, 2324.	5.8	18
27	Hydrophobic interactions of sucralose with protein structures. <i>Archives of Biochemistry and Biophysics</i> , 2018, 639, 38-43.	1.4	16
28	One-way quantum computation via manipulation of polarization and momentum qubits in two-photon cluster states. <i>Laser Physics Letters</i> , 2008, 5, 398-403.	0.6	13
29	Advantages of gated silicon single-photon detectors. <i>Applied Optics</i> , 2012, 51, 8455.	0.9	12
30	Various quantum nonlocality tests with a commercial two-photon entanglement source. <i>Physical Review A</i> , 2011, 83, .	1.0	11
31	Retinal and post-retinal contributions to the quantum efficiency of the human eye revealed by electrical neuroimaging. <i>Frontiers in Psychology</i> , 2013, 4, 845.	1.1	10
32	A multi-scale time-resolved study of photoactivated dynamics in 5-benzyl uracil, a model for DNA/protein interactions. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 26301-26310.	1.3	9
33	32 bin near-infrared time-multiplexing detector with attojoule single-shot energy resolution. <i>Review of Scientific Instruments</i> , 2010, 81, 103105.	0.6	7
34	Realization and characterization of a 2-photon 4-qubit linear cluster state. , 2007, , .		1
35	Applications of quantum cloning. <i>Optics and Spectroscopy (English Translation of Optika i Spektroskopiya)</i> , 2007, 11, 1078-1082.	0.2	1
36	Two-photon four-qubit linear cluster states. , 2007, , .		0

#	ARTICLE	IF	CITATIONS
37	New perspectives in generation and manipulation of hyperentangled states. Proceedings of SPIE, 2007, , .	0.8	0
38	Electron Dynamics in Anatase TiO2 Nanoparticles by Ultrafast Broadband Deep-Ultraviolet Spectroscopy. EPJ Web of Conferences, 2019, 205, 05017.	0.1	0
39	Observation of Ligand-Centred Fluorescence and Intramolecular Relaxation at Sub-Vibrational Time Scales. , 2016, , .		0
40	Longitudinal and transverse modulation of electron wave function with light, and its application to electron microscopy. , 2021, , .		0