Benjamin Perez-Garcia

List of Publications by Year
in descending order

36	576	759233 12	752698 20
papers	citations	h-index	g-index

39	39	39	440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Parabolic-accelerating vector waves. Nanophotonics, 2022, 11, 681-688.	6.0	12
2	A non-separability measure for spatially disjoint vectorial fields. New Journal of Physics, 2022, 24, 063032.	2.9	5
3	Highly-stable generation of vector beams through a common-path interferometer and a DMD. Journal of Optics (United Kingdom), 2022, 24, 074007.	2.2	2
4	Experimental generation of helical Mathieuâ€“Gauss vector modes. Journal of Optics (United Kingdom), 2021, 23, 034004.	2.2	15
5	Free-space local nonseparability dynamics of vector modes. Photonics Research, 2021, 9, 439.	7.0	21
6	Accelerating vector beams along paarabolic trajectories. , 2021, , .		0
7	Modal decomposition of a partially coherent Ince-Gaussian beams. , 2021, , .		0
8	Classically entangled Inceâ€“Gaussian modes. Applied Physics Letters, 2020, 116, .	3.3	33
9	Partially coherent Inceâ€“Gaussian beams. Optics Letters, 2020, 45, 3276.	3.3	7
10	Morphological transformation of generalized spirally polarized beams by anisotropic media and its experimental characterization. Optics Express, 2019, 27, 33412.	3.4	5
11	Topological transformation of spirally polarized vector fields. , 2019, , .		0
12	Generation of partially coherent Ince-Gaussian beams. , 2019, , .		0
13	The first iteration of Grover's algorithm using classical light with orbital angular momentum. Journal of Modern Optics, 2018, 65, 1942-1948.	1.3	15
14	Spatial coherence properties of digitally generated partially coherent vortex beams. , 2018, , .		0
15	Characterizing quantum channels with non-separable states of classical light. Nature Physics, 2017, 13, 397-402.	16.7	218
16	A deterministic detector for vector vortex states. Scientific Reports, 2017, 7, 13882.	3.3	44
17	On-demand tailored vector beams. Applied Optics, 2017, 56, 6967.	1.8	30
18	Generation of optical vector beams using a single spatial light modulator. , 2017, , .		1

#	Article	IF	Citations
19	Hybrid entanglement for quantum information and communication applications. , 2017, , .		0
20	Generation of arbitrary vector beams. , 2017, , .		0
21	Optical interference with digital holograms. American Journal of Physics, 2016, 84, 508-516.	0.7	14
22	Quantum computation with classical light: Implementation of the Deutschâ€“Jozsa algorithm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1925-1931.	2.1	17
23	Digital control of spatial coherence in vortex beams. Proceedings of SPIE, 2016, , .	0.8	0
24	Digital holography techniques for optical interference. Proceedings of SPIE, 2016, , .	0.8	0
25	Implementation of Deutsch and Deutsch-Jozsa algorithms with classical light. Proceedings of SPIE, 2016, , .	0.8	0
26	Digital generation of partially coherent vortex beams. Optics Letters, 2016, 41, 3471.	3.3	58
27	Quantum computation with classical light: The Deutsch Algorithm. Physics Letters, Section A: General, Atomic and Solid State Physics, 2015, 379, 1675-1680.	2.1	38
28	Orbital angular momentum of optical vortices from power measurements and the cross-correlation function. Optics Letters, 2014, 39, 1929.	3.3	6
29	Quasi-one-dimensional optical lattices for soliton manipulation. Optics Letters, 2014, 39, 6545.	3.3	0
30	Cross-correlation measurements and the topological charge of a Laguerre-Gaussian beam. , 2014, , .		0
31	Measurement of orbital angular momentum with an off-axis superposition of vector modes. Journal of Optics (United Kingdom), 2014, 16, 045702.	2.2	4
32	Quasi one-dimensional nondiffracting beams for soliton manipulation. , 2014, , .		0
33	Dynamics of polarization singularities in composite optical vortices. Journal of Optics (United) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.2	17
34	Measuring topological charge using Stokes parameters. , 2013, , .		2
35	Determination of angular momentum content in partially coherent beams through cross correlation measurements. Proceedings of SPIE, 2013, , .	0.8	10
36	Structured light in the spatially partially coherent regime. Journal of Optics (United Kingdom), 0, , .	2.2	1