

Raouf Barboza

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

623
citations

759233

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h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultra-sensitive measurement of transverse displacements with linear photonic gears. Nature Communications, 2022, 13, 1080.	12.8	16
2	Quantum walks of two correlated photons in a 2D synthetic lattice. Npj Quantum Information, 2022, 8, .	6.7	13
3	Bloch–Landau–Zener dynamics induced by a synthetic field in a photonic quantum walk. APL Photonics, 2021, 6, .	5.7	14
4	Optical force-based detection of splay and twist viscoelasticity of CCN47 across the Nematic-to-Smectic A transition. Journal of Molecular Liquids, 2021, 329, 115520.	4.9	3
5	Surface alignment of ferroelectric nematic liquid crystals. Soft Matter, 2021, 17, 8130-8139.	2.7	38
6	Bulk detection of time-dependent topological transitions in quenched chiral models. Physical Review Research, 2020, 2, .	3.6	14
7	Two-dimensional topological quantum walks in the momentum space of structured light. Optica, 2020, 7, 108.	9.3	44
8	Beaming random lasers with soliton control. Nature Communications, 2018, 9, 3863.	12.8	54
9	Temporal dynamics of light-written waveguides in unbiased liquid crystals. Journal of the Optical Society of America B: Optical Physics, 2018, 35, 1878.	2.1	0
10	Reflective geometrie phase in liquid crystal photonics. , 2017, , .		1
11	Berry Phase of Light under Bragg Reflection by Chiral Liquid-Crystal Media. Physical Review Letters, 2016, 117, 053903.	7.8	58
12	Light-matter interaction induces a shadow vortex. Physical Review E, 2016, 93, 050201.	2.1	7
13	Coarsening Dynamics of Umbilical Defects in Inhomogeneous Medium. Springer Proceedings in Physics, 2016, , 31-43.	0.2	1
14	Optical vortex induction via light–matter interaction in liquid-crystal media. Advances in Optics and Photonics, 2015, 7, 635.	25.5	72
15	Programmable lattices of optical vortices in nematic liquid crystal. Proceedings of SPIE, 2015, , .	0.8	0
16	Light–matter interaction induces a single positive vortex with swirling arms. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2014, 372, 20140019.	3.4	16
17	Harnessing Optical Vortex Lattices in Nematic Liquid Crystals. Physical Review Letters, 2013, 111, 093902.	7.8	103
18	Interactions of accessible solitons with interfaces in anisotropic media: the case of uniaxial nematic liquid crystals. New Journal of Physics, 2013, 15, 043011.	2.9	8

#	ARTICLE	IF	CITATIONS
19	Optical Vortex Generation in Nematic Liquid Crystal Light Valves. <i>Molecular Crystals and Liquid Crystals</i> , 2013, 572, 24-30.	0.9	5
20	Characterization of the vortex-pair interaction law and nonlinear mobility effects. <i>New Journal of Physics</i> , 2013, 15, 013028.	2.9	10
21	In-plane steering of nematic waveguides across an electrically tuned interface. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	26
22	Vortex Induction via Anisotropy Stabilized Light-Matter Interaction. <i>Physical Review Letters</i> , 2012, 109, 143901.	7.8	84
23	Electro-Optic Beam Steering with Nematicons. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 558, 12-21.	0.9	6
24	Electro-optic steering of Nematicons. <i>Photonics Letters of Poland</i> , 2012, 4, .	0.4	0
25	Large electro-optic beam steering with nematicons. <i>Optics Letters</i> , 2011, 36, 2725.	3.3	30