

Raouf Barboza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4000319/publications.pdf>

Version: 2024-02-01

25
papers

623
citations

759233

12
h-index

713466

21
g-index

25
all docs

25
docs citations

25
times ranked

497
citing authors

#	ARTICLE	IF	CITATIONS
1	Harnessing Optical Vortex Lattices in Nematic Liquid Crystals. <i>Physical Review Letters</i> , 2013, 111, 093902.	7.8	103
2	Vortex Induction via Anisotropy Stabilized Light-Matter Interaction. <i>Physical Review Letters</i> , 2012, 109, 143901.	7.8	84
3	Optical vortex induction via light-matter interaction in liquid-crystal media. <i>Advances in Optics and Photonics</i> , 2015, 7, 635.	25.5	72
4	Berry Phase of Light under Bragg Reflection by Chiral Liquid-Crystal Media. <i>Physical Review Letters</i> , 2016, 117, 053903.	7.8	58
5	Beaming random lasers with soliton control. <i>Nature Communications</i> , 2018, 9, 3863.	12.8	54
6	Two-dimensional topological quantum walks in the momentum space of structured light. <i>Optica</i> , 2020, 7, 108.	9.3	44
7	Surface alignment of ferroelectric nematic liquid crystals. <i>Soft Matter</i> , 2021, 17, 8130-8139.	2.7	38
8	Large electro-optic beam steering with nematicons. <i>Optics Letters</i> , 2011, 36, 2725.	3.3	30
9	In-plane steering of nematicon waveguides across an electrically tuned interface. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	26
10	Light-matter interaction induces a single positive vortex with swirling arms. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2014, 372, 20140019.	3.4	16
11	Ultra-sensitive measurement of transverse displacements with linear photonic gears. <i>Nature Communications</i> , 2022, 13, 1080.	12.8	16
12	Bloch-Landau-Zener dynamics induced by a synthetic field in a photonic quantum walk. <i>APL Photonics</i> , 2021, 6, .	5.7	14
13	Bulk detection of time-dependent topological transitions in quenched chiral models. <i>Physical Review Research</i> , 2020, 2, .	3.6	14
14	Quantum walks of two correlated photons in a 2D synthetic lattice. <i>Npj Quantum Information</i> , 2022, 8, .	6.7	13
15	Characterization of the vortex-pair interaction law and nonlinear mobility effects. <i>New Journal of Physics</i> , 2013, 15, 013028.	2.9	10
16	Interactions of accessible solitons with interfaces in anisotropic media: the case of uniaxial nematic liquid crystals. <i>New Journal of Physics</i> , 2013, 15, 043011.	2.9	8
17	Light-matter interaction induces a shadow vortex. <i>Physical Review E</i> , 2016, 93, 050201.	2.1	7
18	Electro-Optic Beam Steering with Nematicons. <i>Molecular Crystals and Liquid Crystals</i> , 2012, 558, 12-21.	0.9	6

#	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	Optical force-based detection of splay and twist viscoelasticity of CCN47 across the Nematic-to-Smectic A transition. <i>Journal of Molecular Liquids</i> , 2021, 329, 115520.	4.9	3
21	Coarsening Dynamics of Umbilical Defects in Inhomogeneous Medium. <i>Springer Proceedings in Physics</i> , 2016, , 31-43.	0.2	1
22	Reflective geometrie phase in liquid crystal photonics. , 2017, , .		1
23	Programmable lattices of optical vortices in nematic liquid crystal. <i>Proceedings of SPIE</i> , 2015, , .	0.8	0
24	Temporal dynamics of light-written waveguides in unbiased liquid crystals. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2018, 35, 1878.	2.1	0
25	Electro-optic steering of Nematicons. <i>Photonics Letters of Poland</i> , 2012, 4, .	0.4	0