

Jisha Chandroth Pannian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4791656/publications.pdf>

Version: 2024-02-01

59
papers

745
citations

516710

16
h-index

552781

26
g-index

61
all docs

61
docs citations

61
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	Guiding light via geometric phases. <i>Nature Photonics</i> , 2016, 10, 571-575.	31.4	94
2	Nonlocal gap solitons in \mathcal{PT} -symmetric periodic potentials with defocusing nonlinearity. <i>Physical Review A</i> , 2014, 89, .	2.5	66
3	Geometric Phase in Optics: From Wavefront Manipulation to Waveguiding. <i>Laser and Photonics Reviews</i> , 2021, 15, 2100003.	8.7	44
4	Influence of the imaginary component of the photonic potential on the properties of solitons in \mathcal{PT} -symmetric systems. <i>Physical Review A</i> , 2014, 90, .	2.5	43
5	Optical solitons and wave-particle duality. <i>Optics Letters</i> , 2011, 36, 1848.	3.3	36
6	Spatial optical solitons in highly nonlocal media. <i>Physical Review A</i> , 2015, 91, .	2.5	33
7	Deflection and trapping of spatial solitons in linear photonic potentials. <i>Optics Express</i> , 2013, 21, 18646.	3.4	27
8	Self-written waveguide in methylene blue sensitized poly(vinyl alcohol)/acrylamide photopolymer material. <i>Applied Optics</i> , 2008, 47, 6502.	2.1	25
9	Electromagnetic Confinement via Spin-Orbit Interaction in Anisotropic Dielectrics. <i>ACS Photonics</i> , 2016, 3, 2249-2254.	6.6	23
10	Breather solitons in highly nonlocal media. <i>Journal of Optics (United Kingdom)</i> , 2016, 18, 125501.	2.2	22
11	Accessible solitons in diffusive media. <i>Optics Letters</i> , 2014, 39, 4317.	3.3	18
12	Variational approach to spatial optical solitons in bulk cubic-quintic media stabilized by self-induced multiphoton ionization. <i>Physical Review E</i> , 2005, 71, 056615.	2.1	17
13	Crescent Waves in Optical Cavities. <i>Physical Review Letters</i> , 2011, 107, 183902.	7.8	17
14	In-Depth Optical Characterization of Femtosecond-Written Waveguides in Silicon. <i>Physical Review Applied</i> , 2020, 14, .	3.8	17
15	Stable diffraction managed spatial soliton in bulk cubic-quintic media. <i>Journal of Modern Optics</i> , 2007, 54, 1827-1835.	1.3	16
16	Parity-time-symmetric solitons in trapped Bose-Einstein condensates and the influence of varying complex potentials: A variational approach. <i>Physical Review E</i> , 2015, 92, 022914.	2.1	16
17	Interplay between diffraction and the Pancharatnam-Berry phase in inhomogeneously twisted anisotropic media. <i>Physical Review A</i> , 2017, 95, .	2.5	16
18	Self-Trapping of Light Using the Pancharatnam-Berry Phase. <i>Physical Review X</i> , 2019, 9, .	8.9	16

#	ARTICLE	IF	CITATIONS
19	Kapitza light guiding in photonic mesh lattice. <i>Optics Letters</i> , 2019, 44, 6013.	3.3	16
20	Nonlinearity management and diffraction management for the stabilization of two-dimensional spatial solitons. <i>Pramana - Journal of Physics</i> , 2007, 69, 229-239.	1.8	14
21	Interaction of discrete nonlinear Schrödinger solitons with a linear lattice impurity. <i>Physical Review A</i> , 2013, 87, .	2.5	14
22	Dynamics of a light induced self-written waveguide directional coupler in a photopolymer. <i>Optics Communications</i> , 2008, 281, 1093-1098.	2.1	13
23	Dynamical stability of dipolar Bose-Einstein condensates with temporal modulation of the s -wave scattering length. <i>Physical Review E</i> , 2015, 92, 032905.	2.1	13
24	Generation of multiple solitons using competing nonlocal nonlinearities. <i>Optics Letters</i> , 2019, 44, 1162.	3.3	13
25	Phase separation and pattern instability of laser-induced polymerization in liquid-crystal-monomer mixtures. <i>Optical Materials Express</i> , 2011, 1, 1494.	3.0	10
26	Modulational instability and beam propagation in photorefractive polymer. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, 674.	2.1	9
27	Tunable pattern transitions in a liquid-crystal-monomer mixture using two-photon polymerization. <i>Optics Letters</i> , 2012, 37, 4931.	3.3	9
28	Spin-orbit interactions in optically active materials. <i>Optics Letters</i> , 2017, 42, 419.	3.3	9
29	Effective breaking of the action-reaction principle using spatial solitons. <i>Physical Review A</i> , 2019, 100, .	2.5	8
30	Spatio-temporal solitons in bulk cubic-quintic media stabilized by self-induced multiphoton ionization. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 352, 496-499.	2.1	6
31	Gap solitons in optical lattices embedded into nonlocal media. <i>Physical Review A</i> , 2010, 81, .	2.5	6
32	??-symmetric nonlocal gap solitons in optical lattices. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2014, 23, 1450041.	1.8	6
33	Anomalous diffraction in hyperbolic materials. <i>Physical Review A</i> , 2016, 94, .	2.5	6
34	Paraxial light beams in structured anisotropic media. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2017, 34, 2019.	1.5	6
35	Interplay between multiple scattering and optical nonlinearity in liquid crystals. <i>Optics Letters</i> , 2018, 43, 3461.	3.3	6
36	Switching dynamics of a two-dimensional nonlinear directional coupler in a photopolymer. <i>Journal of Optics (United Kingdom)</i> , 2010, 12, 015204.	2.2	5

#	ARTICLE	IF	CITATIONS
37	Nonlinear negative refraction in reorientational soft matter. <i>Physical Review A</i> , 2015, 92, .	2.5	5
38	Soliton self-routing in a finite photonic potential. <i>Optics Letters</i> , 2013, 38, 2071.	3.3	4
39	Dynamical generation of interwoven soliton trains by nonlinear emission in binary Bose-Einstein condensates. <i>Physical Review A</i> , 2013, 88, .	2.5	4
40	Polarization-insensitive wavefront shaping using the Pancharatnamâ€“Berry phase. <i>Optics Letters</i> , 2019, 44, 5517.	3.3	4
41	Modulational instability of optical beams in photorefractive media due to two-wave or parametric four-wave mixing effects. <i>Journal of Optics</i> , 2008, 10, 115101.	1.5	3
42	Nonlinear waves in repulsive media supported by spatially localized parity-time-symmetric potentials. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 1955-1961.	2.1	3
43	Transverse instability of solitons in nonlinear systems. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2015, 32, 1106.	2.1	2
44	Variational method in soliton theory. <i>European Physical Journal: Special Topics</i> , 2009, 173, 341-346.	2.6	1
45	Pattern writing in a liquid-crystal-monomer mixture using two-photon polymerization. , 2013, , .		1
46	Photonic potential for TM waves. <i>Optics Letters</i> , 2018, 43, 4949.	3.3	1
47	Tunable multiple soliton generation in Kerr media. , 2011, , .		0
48	Wave-particle duality and tunable steering of solitons in Kerr media. , 2011, , .		0
49	Reply to â€œComment on â€˜Spatial optical solitons in highly nonlocal mediaâ€™. <i>Physical Review A</i> , 2017, 95, .	2.5	0
50	Waveguiding based upon geometric phase. , 2017, , .		0
51	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
52	Optical Self-Localization Based upon the Pancharatnam-Berry Phase. , 2019, , .		0
53	Self-Written Y-Junctions using Spatial Solitons. , 2019, , .		0
54	Observation of surface solitons in VCSELs. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
55	Phase separation and pattern instability of laser-induced polymerization in liquid-crystal-monomer mixtures. , 2012, , .		0
56	Nonperturbative Nonlinear Optics in Liquid Crystals. , 2016, , .		0
57	Diffraction Compensation of Finite Beams in Hyperbolic Metamaterials. , 2016, , .		0
58	Self-trapping of light via the Pancharatnam-Berry phase. , 2018, , .		0
59	Effective photonic potential for TM waves. , 2018, , .		0