

Jisha Chandroth Pannian

List of Publications by Year in descending order

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61
all docs

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docs citations

61
times ranked

528
citing authors

#	ARTICLE	IF	CITATIONS
1	Geometric Phase in Optics: From Wavefront Manipulation to Waveguiding. Laser and Photonics Reviews, 2021, 15, 2100003.	8.7	44
2	In-Depth Optical Characterization of Femtosecond-Written Waveguides in Silicon. Physical Review Applied, 2020, 14, .	3.8	17
3	Effective breaking of the action-reaction principle using spatial solitons. Physical Review A, 2019, 100, .	2.5	8
4	Self-Trapping of Light Using the Pancharatnam-Berry Phase. Physical Review X, 2019, 9, .	8.9	16
5	Optical Self-Localization Based upon the Pancharatnam-Berry Phase. , 2019, , .		0
6	Self-Written Y-junctions using Spatial Solitons. , 2019, , .		0
7	Generation of multiple solitons using competing nonlocal nonlinearities. Optics Letters, 2019, 44, 1162.	3.3	13
8	Polarization-insensitive wavefront shaping using the Pancharatnamâ€“Berry phase. Optics Letters, 2019, 44, 5517.	3.3	4
9	Kapitza light guiding in photonic mesh lattice. Optics Letters, 2019, 44, 6013.	3.3	16
10	Interplay between multiple scattering and optical nonlinearity in liquid crystals. Optics Letters, 2018, 43, 3461.	3.3	6
11	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
12	Self-trapping of light via the Pancharatnam-Berry phase. , 2018, , .		0
13	Effective photonic potential for TM waves. , 2018, , .		0
14	Photonic potential for TM waves. Optics Letters, 2018, 43, 4949.	3.3	1
15	Interplay between diffraction and the Pancharatnam-Berry phase in inhomogeneously twisted anisotropic media. Physical Review A, 2017, 95, .	2.5	16
16	Nonlinear waves in repulsive media supported by spatially localized parity-time-symmetric potentials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 1955-1961.	2.1	3
17	Reply to â€œComment on â€˜Spatial optical solitons in highly nonlocal mediaâ€™. Physical Review A, 2017, 95, .	2.5	0
18	Waveguiding based upon geometric phase. , 2017, , .		0

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19	Spin-orbit interactions in optically active materials. Optics Letters, 2017, 42, 419.	3.3	9
20	Paraxial light beams in structured anisotropic media. Journal of the Optical Society of America A: Optics and Image Science, and Vision, 2017, 34, 2019.	1.5	6
21	Guiding light via geometric phases. Nature Photonics, 2016, 10, 571-575.	31.4	94
22	Anomalous diffraction in hyperbolic materials. Physical Review A, 2016, 94, .	2.5	6
23	Electromagnetic Confinement via Spin-Orbit Interaction in Anisotropic Dielectrics. ACS Photonics, 2016, 3, 2249-2254.	6.6	23
24	Breather solitons in highly nonlocal media. Journal of Optics (United Kingdom), 2016, 18, 125501.	2.2	22
25	Nonperturbative Nonlinear Optics in Liquid Crystals. , 2016, , .		0
26	Diffraction Compensation of Finite Beams in Hyperbolic Metamaterials. , 2016, , .		0
27	Nonlinear negative refraction in reorientational soft matter. Physical Review A, 2015, 92, .	2.5	5
28	Parity-time-symmetric solitons in trapped Bose-Einstein condensates and the influence of varying complex potentials: A variational approach. Physical Review E, 2015, 92, 022914.	2.1	16
29	Dynamical stability of dipolar Bose-Einstein condensates with temporal modulation of the wave scattering length. Physical Review E, 2015, 92, 032905.	2.1	13
30	Spatial optical solitons in highly nonlocal media. Physical Review A, 2015, 91, .	2.5	33
31	Transverse instability of solitons in nonlinear systems. Journal of the Optical Society of America B: Optical Physics, 2015, 32, 1106.	2.1	2
32	Accessible solitons in diffusive media. Optics Letters, 2014, 39, 4317.	3.3	18
33	Influence of the imaginary component of the photonic potential on the properties of solitons in \mathcal{PT} -symmetric systems. Physical Review A, 2014, 90, .	2.5	43
34	\mathcal{PT} -symmetric nonlocal gap solitons in optical lattices. Journal of Nonlinear Optical Physics and Materials, 2014, 23, 1450041.	1.8	6
35	Nonlocal gap solitons in \mathcal{PT} -symmetric periodic potentials with defocusing nonlinearity. Physical Review A, 2014, 89, .	2.5	66
36	Interaction of discrete nonlinear Schrödinger solitons with a linear lattice impurity. Physical Review A, 2013, 87, .	2.5	14

#	ARTICLE	IF	CITATIONS
37	Pattern writing in a liquid-crystal-monomer mixture using two-photon polymerization. , 2013, , .		1
38	Soliton self-routing in a finite photonic potential. Optics Letters, 2013, 38, 2071.	3.3	4
39	Dynamical generation of interwoven soliton trains by nonlinear emission in binary Bose-Einstein condensates. Physical Review A, 2013, 88, .	2.5	4
40	Deflection and trapping of spatial solitons in linear photonic potentials. Optics Express, 2013, 21, 18646.	3.4	27
41	Tunable pattern transitions in a liquid-crystal-monomer mixture using two-photon polymerization. Optics Letters, 2012, 37, 4931.	3.3	9
42	Phase separation and pattern instability of laser-induced polymerization in liquid-crystal-monomer mixtures. , 2012, , .		0
43	Optical solitons and wave-particle duality. Optics Letters, 2011, 36, 1848.	3.3	36
44	Phase separation and pattern instability of laser-induced polymerization in liquid-crystal-monomer mixtures. Optical Materials Express, 2011, 1, 1494.	3.0	10
45	Crescent Waves in Optical Cavities. Physical Review Letters, 2011, 107, 183902.	7.8	17
46	Tunable multiple soliton generation in Kerr media. , 2011, , .		0
47	Wave-particle duality and tunable steering of solitons in Kerr media. , 2011, , .		0
48	Gap solitons in optical lattices embedded into nonlocal media. Physical Review A, 2010, 81, .	2.5	6
49	Switching dynamics of a two-dimensional nonlinear directional coupler in a photopolymer. Journal of Optics (United Kingdom), 2010, 12, 015204.	2.2	5
50	Observation of surface solitons in VCSELs. , 2010, , .		0
51	Variational method in soliton theory. European Physical Journal: Special Topics, 2009, 173, 341-346.	2.6	1
52	Dynamics of a light induced self-written waveguide directional coupler in a photopolymer. Optics Communications, 2008, 281, 1093-1098.	2.1	13
53	Self-written waveguide in methylene blue sensitized poly(vinyl alcohol)/acrylamide photopolymer material. Applied Optics, 2008, 47, 6502.	2.1	25
54	Modulational instability and beam propagation in photorefractive polymer. Journal of the Optical Society of America B: Optical Physics, 2008, 25, 674.	2.1	9

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55	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
56	Stable diffraction managed spatial soliton in bulk cubic-quintic media. <i>Journal of Modern Optics</i> , 2007, 54, 1827-1835.	1.3	16
57	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
58	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
59	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