

Pawel S Jung

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

380
citations

759233

12
h-index

794594

19
g-index

31
all docs

31
docs citations

31
times ranked

220
citing authors

#	ARTICLE	IF	CITATIONS
1	Stable vortex soliton in nonlocal media with orientational nonlinearity. Optics Letters, 2018, 43, 66.	3.3	64
2	Gain-induced topological response via tailored long-range interactions. Nature Physics, 2021, 17, 704-709.	16.7	40
3	Thermodynamic conditions governing the optical temperature and chemical potential in nonlinear highly multimoded photonic systems. Optics Letters, 2019, 44, 3936.	3.3	36
4	Statistical mechanics of weakly nonlinear optical multimode gases. Optics Letters, 2020, 45, 1651.	3.3	30
5	Supermode spatial optical solitons in liquid crystals with competing nonlinearities. Physical Review A, 2017, 95, .	2.5	29
6	2D Solitons in P -Symmetric Photonic Lattices. Physical Review Letters, 2019, 123, 253903.	7.8	28
7	Anomalous interaction of spatial solitons in nematic liquid crystals. Optics Letters, 2019, 44, 267.	3.3	21
8	Formation and stability of vortex solitons in nematic liquid crystals. Optics Letters, 2021, 46, 62.	3.3	19
9	Semi-analytical approach to supermode spatial solitons formation in nematic liquid crystals. Optics Express, 2017, 25, 23893.	3.4	14
10	Absorption-mediated stabilization of nonlinear propagation of vortex beams in nematic liquid crystals. Optics Communications, 2019, 451, 338-344.	2.1	13
11	Thermalization Dynamics of Nonlinear Non-Hermitian Optical Lattices. Physical Review Letters, 2022, 128, .	7.8	13
12	Thermalization of Light's Orbital Angular Momentum in Nonlinear Multimode Waveguide Systems. Physical Review Letters, 2022, 128, 123901.	7.8	12
13	Engineering interaction dynamics in active resonant photonic structures. APL Photonics, 2021, 6, 050804.	5.7	11
14	Entropic thermodynamics of nonlinear photonic chain networks. Communications Physics, 2020, 3, .	5.3	9
15	Scalar and vector supermode solitons owing to competing nonlocal nonlinearities. Optics Express, 2021, 29, 8015.	3.4	9
16	Supermode spatial solitons via competing nonlocal nonlinearities. Photonics Letters of Poland, 2018, 10, 33.	0.4	7
17	Power-induced evolution and increased dimensionality of nonlinear modes in reorientational soft matter. Optics Letters, 2014, 39, 6399.	3.3	6
18	Optical Thouless pumping transport and nonlinear switching in a topological low-dimensional discrete nematic liquid crystal array. Physical Review A, 2022, 105, .	2.5	6

#	ARTICLE	IF	CITATIONS
19	Evanescent field boundary conditions for modelling of light propagation. Journal of Computational Science, 2018, 25, 115-121.	2.9	3
20	Topological Haldane Lattice. , 2020, , .		3
21	Beam propagation method in rectangular structures with a high step index. Optics Communications, 2012, 285, 4184-4189.	2.1	2
22	Discrete light propagation in photonic liquid crystal fibers. , 2012, , .		1
23	Chromium plasmonic polarizer for high intensity light. Photonics Letters of Poland, 2017, 9, 76.	0.4	1
24	The influence of smoke on the THz imaging. Photonics Letters of Poland, 2012, 4, .	0.4	1
25	Nonlinear discrete light propagation in photonic liquid crystal fibers. Photonics Letters of Poland, 2013, 5, .	0.4	1
26	Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides. Photonics Letters of Poland, 2016, 8, .	0.4	1
27	Establishing a rigorous relation between thermodynamic and electrodynamic pressures in highly multimoded nonlinear dielectric waveguides. , 2021, , .		0
28	Thermalization of orbital angular momentum in highly multimoded nonlinear optical fibers. , 2021, , .		0
29	Measurements of the quality of nematic liquid crystal alignment. Photonics Letters of Poland, 2016, 8, .	0.4	0
30	Optical thermodynamic properties of nonlinear topological Haldane lattices. , 2020, , .		0
31	Thermodynamic pressure emerging from highly multimoded nonlinear optical systems. , 2020, , .		0