

# 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	Optical Thouless pumping transport and nonlinear switching in a topological low-dimensional discrete nematic liquid crystal array. <i>Physical Review A</i> , 2022, 105, .	2.5	6
2	Thermalization of Light's Orbital Angular Momentum in Nonlinear Multimode Waveguide Systems. <i>Physical Review Letters</i> , 2022, 128, 123901.	7.8	12
3	Thermalization Dynamics of Nonlinear Non-Hermitian Optical Lattices. <i>Physical Review Letters</i> , 2022, 128, .	7.8	13
4	Establishing a rigorous relation between thermodynamic and electrodynamic pressures in highly multimoded nonlinear dielectric waveguides. , 2021, , .		0
5	Gain-induced topological response via tailored long-range interactions. <i>Nature Physics</i> , 2021, 17, 704-709.	16.7	40
6	Scalar and vector supermode solitons owing to competing nonlocal nonlinearities. <i>Optics Express</i> , 2021, 29, 8015.	3.4	9
7	Engineering interaction dynamics in active resonant photonic structures. <i>APL Photonics</i> , 2021, 6, 050804.	5.7	11
8	Thermalization of orbital angular momentum in highly multimoded nonlinear optical fibers. , 2021, , .		0
9	Formation and stability of vortex solitons in nematic liquid crystals. <i>Optics Letters</i> , 2021, 46, 62.	3.3	19
10	Entropic thermodynamics of nonlinear photonic chain networks. <i>Communications Physics</i> , 2020, 3, .	5.3	9
11	Topological Haldane Lattice. , 2020, , .		3
12	Statistical mechanics of weakly nonlinear optical multimode gases. <i>Optics Letters</i> , 2020, 45, 1651.	3.3	30
13	Optical thermodynamic properties of nonlinear topological Haldane lattices. , 2020, , .		0
14	Thermodynamic pressure emerging from highly multimoded nonlinear optical systems. , 2020, , .		0
15	Absorption-mediated stabilization of nonlinear propagation of vortex beams in nematic liquid crystals. <i>Optics Communications</i> , 2019, 451, 338-344.	2.1	13
16	2D Solitons in $P < T < -Symmetric Photonic Lattices. Physical Review Letters, 2019, 123, 253903.$	7.8	28
17	Anomalous interaction of spatial solitons in nematic liquid crystals. <i>Optics Letters</i> , 2019, 44, 267.	3.3	21
18	Thermodynamic conditions governing the optical temperature and chemical potential in nonlinear highly multimoded photonic systems. <i>Optics Letters</i> , 2019, 44, 3936.	3.3	36

#	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	Stable vortex soliton in nonlocal media with orientational nonlinearity. Optics Letters, 2018, 43, 66.	3.3	64
21	Supermode spatial solitons via competing nonlocal nonlinearities. Photonics Letters of Poland, 2018, 10, 33.	0.4	7
22	Supermode spatial optical solitons in liquid crystals with competing nonlinearities. Physical Review A, 2017, 95, .	2.5	29
23	Semi-analytical approach to supermode spatial solitons formation in nematic liquid crystals. Optics Express, 2017, 25, 23893.	3.4	14
24	Chromium plasmonic polarizer for high intensity light. Photonics Letters of Poland, 2017, 9, 76.	0.4	1
25	Linear and nonlinear light beam propagation in chiral nematic liquid crystal waveguides. Photonics Letters of Poland, 2016, 8, .	0.4	1
26	Measurements of the quality of nematic liquid crystal alignment. Photonics Letters of Poland, 2016, 8, .	0.4	0
27	Power-induced evolution and increased dimensionality of nonlinear modes in reorientational soft matter. Optics Letters, 2014, 39, 6399.	3.3	6
28	Nonlinear discrete light propagation in photonic liquid crystal fibers. Photonics Letters of Poland, 2013, 5, .	0.4	1
29	Discrete light propagation in photonic liquid crystal fibers. , 2012, , .		1
30	Beam propagation method in rectangular structures with a high step index. Optics Communications, 2012, 285, 4184-4189.	2.1	2
31	The influence of smoke on the THz imaging. Photonics Letters of Poland, 2012, 4, .	0.4	1