

Fangwei Ye

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

1,322
citations

361413

20
h-index

361022

35
g-index

48
all docs

48
docs citations

48
times ranked

855
citing authors

#	ARTICLE	IF	CITATIONS
1	Localization and delocalization of light in photonic moiré lattices. Nature, 2020, 577, 42-46.	27.8	253
2	Optical soliton formation controlled by angle twisting in photonic moiré lattices. Nature Photonics, 2020, 14, 663-668.	31.4	129
3	Lieb polariton topological insulators. Physical Review B, 2018, 97, .	3.2	56
4	Localization-delocalization wavepacket transition in Pythagorean aperiodic potentials. Scientific Reports, 2016, 6, 32546.	3.3	51
5	Twin-vortex solitons in nonlocal nonlinear media. Optics Letters, 2010, 35, 628.	3.3	46
6	Stability of multipole-mode solitons in thermal nonlinear media. Physical Review A, 2010, 81, .	2.5	45
7	Stabilization of dipole solitons in nonlocal nonlinear media. Physical Review A, 2008, 77, .	2.5	42
8	Optically and electrically tunable Dirac points and Zitterbewegung in graphene-based photonic superlattices. Physical Review B, 2015, 91, .	3.2	41
9	Topological surface plasmons in superlattices with changing sign of the average permittivity. Optics Letters, 2016, 41, 4281.	3.3	37
10	Coupling of Edge States and Topological Bragg Solitons. Physical Review Letters, 2019, 123, 254103.	7.8	37
11	Multifrequency Solitons in Commensurate-Incommensurate Photonic Moiré Lattices. Physical Review Letters, 2021, 127, 163902.	7.8	35
12	Light bullets in Bessel optical lattices with spatially modulated nonlinearity. Optics Express, 2009, 17, 11328.	3.4	34
13	Subwavelength vortical plasmonic lattice solitons. Optics Letters, 2011, 36, 1179.	3.3	32
14	Symmetric and asymmetric solitons in a nonlocal nonlinear coupler. Physical Review A, 2012, 85, .	2.5	30
15	Nonlinear Thouless Pumping: Solitons and Transport Breakdown. Physical Review Letters, 2022, 128, 154101.	7.8	28
16	Elliptic vortices in composite Mathieu lattices. Physical Review A, 2009, 79, .	2.5	26
17	Multipole plasmonic lattice solitons. Physical Review A, 2011, 84, .	2.5	25
18	Anderson localization at the subwavelength scale for surface plasmon polaritons in disordered arrays of metallic nanowires. Physical Review B, 2014, 89, .	3.2	25

#	ARTICLE	IF	CITATIONS
19	Solitary vortices supported by localized parametric gain. <i>Optics Letters</i> , 2013, 38, 2177.	3.3	20
20	Tunable subwavelength photonic lattices and solitons in periodically patterned graphene monolayer. <i>Optics Express</i> , 2014, 22, 30108.	3.4	20
21	Topological states in the super-SSH model. <i>Optics Express</i> , 2021, 29, 42827.	3.4	20
22	Collapse suppression and stabilization of dipole solitons in two-dimensional media with anisotropic semilocal nonlinearity. <i>Physical Review A</i> , 2010, 81, .	2.5	19
23	Multiband vector plasmonic lattice solitons. <i>Optics Letters</i> , 2013, 38, 1271.	3.3	19
24	Finite-Dimensional Bistable Topological Insulators: From Small to Large. <i>Laser and Photonics Reviews</i> , 2019, 13, 1900198.	8.7	19
25	Plasmonic lattice solitons beyond the coupled-mode theory. <i>Laser and Photonics Reviews</i> , 2014, 8, L52.	8.7	17
26	Mode pairs in PT-symmetric multimode waveguides. <i>Physical Review A</i> , 2014, 90, .	2.5	16
27	Transverse Anderson localization of light near Dirac points of photonic nanostructures. <i>Scientific Reports</i> , 2015, 5, 15585.	3.3	16
28	Surface plasmonic lattice solitons. <i>Optics Letters</i> , 2012, 37, 3822.	3.3	15
29	Power-dependent soliton steering in thermal nonlinear media. <i>Optics Letters</i> , 2009, 34, 2658.	3.3	14
30	Rabi oscillations and stimulated mode conversion on the subwavelength scale. <i>Optics Express</i> , 2015, 23, 6731.	3.4	12
31	Bloch oscillations in arrays of helical waveguides. <i>Physical Review A</i> , 2018, 97, .	2.5	12
32	Solitons supported by localized parametric gain. <i>Optics Letters</i> , 2013, 38, 480.	3.3	11
33	Plasmon-soliton waves in planar slot waveguides. II. Results for stationary waves and stability analysis. <i>Physical Review A</i> , 2016, 93, .	2.5	11
34	Giant All-Optical Modulation of Second-Harmonic Generation Mediated by Dark Excitons. <i>ACS Photonics</i> , 2021, 8, 2320-2328.	6.6	11
35	Localization of light in a parabolically bending waveguide array in thermal nonlinear media. <i>Optics Letters</i> , 2009, 34, 584.	3.3	10
36	Localization-delocalization transition in spin-orbit-coupled Bose-Einstein condensate. <i>Scientific Reports</i> , 2016, 6, 31700.	3.3	10

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37	Tunability and Robustness of Dirac Points of Photonic Nanostructures. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 98-106.	2.9	10
38	Quantum mechanical analysis of nonlinear optical response of interacting graphene nanoflakes. APL Photonics, 2018, 3, 016102.	5.7	10
39	Nonlinear surface lattice coupler. Optics Letters, 2013, 38, 1064.	3.3	9
40	Generation of Subwavelength Plasmonic Nanovortices via Helically Corrugated Metallic Nanowires. Scientific Reports, 2015, 5, 13089.	3.3	9
41	Bloch oscillations of topological edge modes. Physical Review A, 2019, 99, .	2.5	9
42	Self-deflecting plasmonic lattice solitons and surface modes in chirped plasmonic arrays. Optics Letters, 2015, 40, 898.	3.3	8
43	Parametric Type-II Dirac Photonic Lattices. Advanced Quantum Technologies, 2020, 3, 2000015.	3.9	7
44	Quantum Plasmon Engineering with Interacting Graphene Nanoflakes. Journal of Physical Chemistry C, 2017, 121, 27597-27602.	3.1	6
45	Nonlinearity-mediated soliton ejection from trapping potentials in nonlocal media. Physical Review A, 2010, 82, .	2.5	5
46	Topological interface modes in photonic superlattices containing negative-index materials. Europhysics Letters, 2018, 124, 64001.	2.0	5
47	Nonlinear optics in subwavelength plasmonic nanostructures. , 2011, , .		0
48	Dirac Points and Topological Modes in Photonic Nanostructures. Metamaterials Science and Technology, 2021, , 1-35.	0.1	0