

# Andrey A Sukhorukov

## List of Publications by Year in descending order

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427  
papers

8,864  
citations

38742

50  
h-index

53230

85  
g-index

427  
all docs

427  
docs citations

427  
times ranked

4119  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light propagation and localization in modulated photonic lattices and waveguides. Physics Reports, 2012, 518, 1-79.	25.6	405
2	Guided modes in negative-refractive-index waveguides. Physical Review E, 2003, 67, 057602.	2.1	333
3	Nonlinear switching and solitons in PT-symmetric photonic systems. Laser and Photonics Reviews, 2016, 10, 177-213.	8.7	288
4	Nonlinear surface waves in left-handed materials. Physical Review E, 2004, 69, 016617.	2.1	278
5	Bloch Oscillations and Zener Tunneling in Two-Dimensional Photonic Lattices. Physical Review Letters, 2006, 96, 053903.	7.8	247
6	Nonlinear suppression of time reversals in $PT$ -symmetric optical couplers. Physical Review A, 2010, 82, .	2.5	236
7	Quantum metasurface for multiphoton interference and state reconstruction. Science, 2018, 361, 1104-1108.	12.6	227
8	Optical solitons in $PT$ -symmetric nonlinear couplers with gain and loss. Physical Review A, 2012, 85, .	2.5	201
9	Spatial optical solitons in waveguide arrays. IEEE Journal of Quantum Electronics, 2003, 39, 31-50.	1.9	191
10	Compact Surface Fano States Embedded in the Continuum of Waveguide Arrays. Physical Review Letters, 2013, 111, 240403.	7.8	175
11	Azimuthons: Spatially Modulated Vortex Solitons. Physical Review Letters, 2005, 95, 203904.	7.8	158
12	Bifurcations and stability of gap solitons in periodic potentials. Physical Review E, 2004, 70, 036618.	2.1	144
13	Polychromatic dynamic localization in curved photonic lattices. Nature Physics, 2009, 5, 271-275.	16.7	143
14	Beam shaping by a periodic structure with negative refraction. Applied Physics Letters, 2003, 82, 3820-3822.	3.3	130
15	Binary parity-time-symmetric nonlinear lattices with balanced gain and loss. Optics Letters, 2010, 35, 2976.	3.3	130
16	Nonlinear Localized Waves in a Periodic Medium. Physical Review Letters, 2001, 87, 083901.	7.8	113
17	Discrete gap solitons in modulated waveguide arrays. Optics Letters, 2002, 27, 2112.	3.3	112
18	Asymmetric Vortex Solitons in Nonlinear Periodic Lattices. Physical Review Letters, 2004, 93, 063901.	7.8	111

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19	Complete Band Gaps in One-Dimensional Left-Handed Periodic Structures. <i>Physical Review Letters</i> , 2005, 95, 193903.	7.8	110
20	Breathers in $PT$ -symmetric optical couplers. <i>Physical Review A</i> , 2012, 86, .	2.5	105
21	Controlled Generation and Steering of Spatial Gap Solitons. <i>Physical Review Letters</i> , 2004, 93, 083905.	7.8	101
22	Spontaneous photon-pair generation from a dielectric nanoantenna. <i>Optica</i> , 2019, 6, 1416.	9.3	98
23	Observation of Two-Dimensional Dynamic Localization of Light. <i>Physical Review Letters</i> , 2010, 104, 223903.	7.8	89
24	Spectral photonic lattices with complex long-range coupling. <i>Optica</i> , 2017, 4, 1433.	9.3	87
25	Nonlinear guided waves and spatial solitons in a periodic layered medium. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2002, 19, 772.	2.1	86
26	Multistep parametric processes in nonlinear optics. <i>Progress in Optics</i> , 2005, 47, 1-73.	0.6	82
27	Spatial optical solitons in nonlinear photonic crystals. <i>Physical Review E</i> , 2002, 65, 036609.	2.1	78
28	Self-written waveguides in photopolymerizable resins. <i>Optics Letters</i> , 2002, 27, 185.	3.3	74
29	Multigap Discrete Vector Solitons. <i>Physical Review Letters</i> , 2003, 91, 113902.	7.8	73
30	Generation of Photon-Plasmon Quantum States in Nonlinear Hyperbolic Metamaterials. <i>Physical Review Letters</i> , 2016, 117, 123901.	7.8	72
31	Reduced-Symmetry Two-Dimensional Solitons in Photonic Lattices. <i>Physical Review Letters</i> , 2006, 96, 023905.	7.8	71
32	Spontaneous Parametric Down-Conversion and Quantum Walks in Arrays of Quadratic Nonlinear Waveguides. <i>Physical Review Letters</i> , 2012, 108, 023601.	7.8	71
33	Generation and stability of discrete gap solitons. <i>Optics Letters</i> , 2003, 28, 2345.	3.3	69
34	Coherent and Incoherent Contributions to Multisoliton Complexes. <i>Physical Review Letters</i> , 1999, 83, 4736-4739.	7.8	66
35	Crossover from self-defocusing to discrete trapping in nonlinear waveguide arrays. <i>Optics Express</i> , 2006, 14, 254.	3.4	62
36	Enhanced generation of nondegenerate photon pairs in nonlinear metasurfaces. <i>Advanced Photonics</i> , 2021, 3, .	11.8	62

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37	Observation of two-dimensional nonlocal gap solitons. Optics Letters, 2009, 34, 295.	3.3	61
38	Nonlinear Bloch-Wave Interaction and Bragg Scattering in Optically Induced Lattices. Physical Review Letters, 2004, 92, 093901.	7.8	60
39	Observation of Defect-Free Surface Modes in Optical Waveguide Arrays. Physical Review Letters, 2008, 101, 203902.	7.8	60
40	Parity-time anti-symmetric parametric amplifier. Optics Letters, 2015, 40, 4575.	3.3	60
41	Observation of discrete gap solitons in binary waveguide arrays. Optics Letters, 2004, 29, 2890.	3.3	59
42	Discrete surface solitons in semi-infinite binary waveguide arrays. Optics Letters, 2006, 31, 2332.	3.3	56
43	Observation of nonlinear self-trapping in triangular photonic lattices. Optics Letters, 2007, 32, 397.	3.3	56
44	Coherence Controlled Soliton Interactions. Physical Review Letters, 2005, 94, 063904.	7.8	55
45	Nonlocality in PT-symmetric waveguide arrays with gain and loss. Optics Letters, 2012, 37, 2148.	3.3	54
46	Bloch-mode analysis for retrieving effective parameters of metamaterials. Physical Review B, 2012, 86, .	3.2	53
47	Generation of Nonclassical Biphoton States through Cascaded Quantum Walks on a Nonlinear Chip. Physical Review X, 2014, 4, .	8.9	52
48	Enhancing Guided Second-Harmonic Light in Lithium Niobate Nanowires. ACS Photonics, 2015, 2, 687-691.	6.6	51
49	Surface multi-gap vector solitons. Optics Express, 2006, 14, 4780.	3.4	50
50	Observation of diffraction-managed discrete solitons in curved waveguide arrays. Physical Review A, 2008, 78, .	2.5	50
51	Scattering of linear and nonlinear waves in a waveguide array with a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi fontstyle="italic"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{-symmetric defect. Physical Review A, 2011, 84, .$	2.5	50
52	Anderson localization in synthetic photonic lattices. Scientific Reports, 2017, 7, 4301.	3.3	50
53	Scalable on-chip quantum state tomography. Npj Quantum Information, 2018, 4, .	6.7	50
54	Parametric localized modes in quadratic nonlinear photonic structures. Physical Review E, 2000, 63, 016615.	2.1	49

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55	Nonlinear Bloch modes in two-dimensional photonic lattices. <i>Optics Express</i> , 2006, 14, 1913.	3.4	49
56	Path-entangled photon sources on nonlinear chips. <i>Reviews in Physics</i> , 2017, 2, 19-31.	8.9	49
57	Broadband diffraction management and self-collimation of white light in photonic lattices. <i>Physical Review E</i> , 2006, 74, 066609.	2.1	48
58	Monitoring ultrashort pulses by transverse frequency doubling of counterpropagating pulses in random media. <i>Applied Physics Letters</i> , 2007, 91, .	3.3	48
59	Diffraction control in periodically curved two-dimensional waveguide arrays. <i>Optics Express</i> , 2007, 15, 9737.	3.4	47
60	Observation of light localization in modulated Bessel optical lattices. <i>Optics Express</i> , 2006, 14, 2825.	3.4	46
61	Demonstration of all-optical beam steering in modulated photonic lattices. <i>Optics Letters</i> , 2006, 31, 1498.	3.3	45
62	SELF-WRITTEN WAVEGUIDES IN PHOTSENSITIVE MATERIALS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2002, 11, 391-407.	1.8	44
63	Defect-Free Surface States in Modulated Photonic Lattices. <i>Physical Review Letters</i> , 2008, 100, 203904.	7.8	44
64	Loss compensation in metal-dielectric layered metamaterials. <i>Physical Review B</i> , 2013, 87, .	3.2	44
65	Photonic Structures. <i>Optics and Photonics News</i> , 2005, 16, 36.	0.5	38
66	Slow-Light Optical Bullets in Arrays of Nonlinear Bragg-Grating Waveguides. <i>Physical Review Letters</i> , 2006, 97, 233901.	7.8	38
67	Tunable generation of entangled photons in a nonlinear directional coupler. <i>Laser and Photonics Reviews</i> , 2016, 10, 131-136.	8.7	38
68	Slow and frozen light in optical waveguides with multiple gratings: Degenerate band edges and stationary inflection points. <i>Physical Review A</i> , 2012, 85, .	2.5	37
69	Nonlinear coupled-mode theory for periodic plasmonic waveguides and metamaterials with loss and gain. <i>Optics Letters</i> , 2014, 39, 462.	3.3	37
70	Plasmonic Bloch oscillations in chirped metal-dielectric structures. <i>Applied Physics Letters</i> , 2009, 94, 161105.	3.3	35
71	Realization of Reflectionless Potentials in Photonic Lattices. <i>Physical Review Letters</i> , 2011, 106, 193903.	7.8	35
72	Biphoton generation in quadratic waveguide arrays: A classical optical simulation. <i>Scientific Reports</i> , 2012, 2, 562.	3.3	35

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73	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , 2020, 14, 76-81.	31.4	35
74	Slow-light dispersion in coupled periodic waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2008, 25, C65.	2.1	34
75	Tunable positive and negative refraction in optically induced photonic lattices. <i>Optics Letters</i> , 2005, 30, 2293.	3.3	33
76	Non-Hermitian trimers: PT-symmetry versus pseudo-Hermiticity. <i>New Journal of Physics</i> , 2016, 18, 065005.	2.9	33
77	LiNbO3 waveguides for integrated SPDC spectroscopy. <i>APL Photonics</i> , 2018, 3, .	5.7	32
78	Polychromatic nonlinear surface modes generated by supercontinuum light. <i>Optics Express</i> , 2006, 14, 11265.	3.4	31
79	Comparative Study of FDTD-Adopted Numerical Algorithms for Kerr Nonlinearities. <i>IEEE Antennas and Wireless Propagation Letters</i> , 2011, 10, 143-146.	4.0	31
80	Self-phase modulation and frequency generation with few-cycle optical pulses in nonlinear dispersive media. <i>Physical Review A</i> , 2012, 86, .	2.5	30
81	Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. <i>Light: Science and Applications</i> , 2020, 9, 132.	16.6	30
82	Enhanced Soliton Transport in Quasiperiodic Lattices with Introduced Aperiodicity. <i>Physical Review Letters</i> , 2006, 96, 113902.	7.8	29
83	Dispersionless tunneling of slow light in antisymmetric photonic crystal couplers. <i>Optics Express</i> , 2008, 16, 1104.	3.4	29
84	Two-color multistep cascading and parametric soliton-induced waveguides. <i>Physical Review E</i> , 1999, 60, R5056-R5059.	2.1	28
85	Nonlinearity and disorder: Classification and stability of nonlinear impurity modes. <i>Physical Review E</i> , 2001, 63, 036601.	2.1	28
86	Polychromatic interface solitons in nonlinear photonic lattices. <i>Optics Letters</i> , 2006, 31, 3125.	3.3	28
87	Nonlinear Spectral-Spatial Control and Localization of Supercontinuum Radiation. <i>Physical Review Letters</i> , 2007, 99, 123901.	7.8	28
88	Slow light with flat or offset band edges in few-mode fiber with two gratings. <i>Optics Express</i> , 2007, 15, 17954.	3.4	28
89	Frequency comb generation in SNAP bottle resonators. <i>Optics Letters</i> , 2017, 42, 2149.	3.3	28
90	Two-color nonlinear localized photonic modes. <i>Physical Review E</i> , 1999, 60, R41-R44.	2.1	27

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91	Chaotic character of two-soliton collisions in the weakly perturbed nonlinear Schrödinger equation. <i>Physical Review E</i> , 2002, 66, 046609.	2.1	27
92	NONLINEAR OPTICS AND LIGHT LOCALIZATION IN PERIODIC PHOTONIC LATTICES. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007, 16, 1-25.	1.8	27
93	Resolving the mystery of milliwatt-threshold opto-mechanical self-oscillation in dual-nanoweb fiber. <i>APL Photonics</i> , 2016, 1, .	5.7	27
94	Direct characterization of a nonlinear photonic circuit's wave function with laser light. <i>Light: Science and Applications</i> , 2018, 7, 17143-17143.	16.6	27
95	Soliton control in modulated optically-induced photonic lattices. <i>Optics Express</i> , 2005, 13, 5704.	3.4	26
96	Cascaded third harmonic generation in lithium niobate nanowaveguides. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	26
97	Soliton control and Bloch-wave filtering in periodic photonic lattices. <i>Optics Letters</i> , 2005, 30, 1849.	3.3	25
98	Discrete nonlinear Schrödinger equations free of the Peierls's Nabarro potential. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2006, 356, 324-332.	2.1	25
99	Wave scattering by metamaterial wedges and interfaces. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2006, 19, 105-117.	1.9	25
100	Experimental observation of evanescent modes at the interface to slow-light photonic crystal waveguides. <i>Optics Letters</i> , 2011, 36, 1170.	3.3	24
101	Photon-pair generation in arrays of cubic nonlinear waveguides. <i>Optics Express</i> , 2012, 20, 27441.	3.4	24
102	Self-trapping of polychromatic light in nonlinear periodic photonic structures. <i>Optics Express</i> , 2006, 14, 9873.	3.4	23
103	Frozen and broadband slow light in coupled periodic nanowire waveguides. <i>Optics Express</i> , 2012, 20, 3519.	3.4	23
104	Scattering of the discrete solitons on the $\mathcal{PT}$ -symmetric defects. <i>Europhysics Letters</i> , 2012, 100, 54003.	2.0	23
105	Effect of loss on photon-pair generation in nonlinear waveguide arrays. <i>Physical Review A</i> , 2014, 90, .	2.5	23
106	Nonlinear diffusion and beam self-trapping in diffraction-managed waveguide arrays. <i>Optics Express</i> , 2007, 15, 9547.	3.4	22
107	Unidirectional flow of discrete solitons in waveguide arrays. <i>Optics Letters</i> , 2015, 40, 2719.	3.3	22
108	Shaping and control of polychromatic light in nonlinear photonic lattices. <i>Optics Express</i> , 2007, 15, 13058.	3.4	21

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109	Reflectionless potentials and cavities in waveguide arrays and coupled-resonator structures. Optics Letters, 2010, 35, 989.	3.3	21
110	Coherent perfect absorption and reflection in slow-light waveguides. Optics Letters, 2013, 38, 4970.	3.3	21
111	Two-photon tomography using on-chip quantum walks. Optics Letters, 2016, 41, 4079.	3.3	21
112	Broadband on-chip polarization mode splitters in lithium niobate integrated adiabatic couplers. Optics Express, 2019, 27, 1632.	3.4	21
113	Spatial optical solitons supported by mutual focusing. Optics Letters, 2003, 28, 1457.	3.3	20
114	Bloch-mode extraction from near-field data in periodic waveguides. Optics Letters, 2009, 34, 3776.	3.3	20
115	Photon pair generation and pump filtering in nonlinear adiabatic waveguiding structures. Optics Letters, 2014, 39, 953.	3.3	20
116	Slow-light switching in nonlinear Bragg-grating couplers. Optics Letters, 2007, 32, 1429.	3.3	19
117	Light bullets in nonlinear periodically curved waveguide arrays. Physical Review A, 2010, 81, .	2.5	19
118	Phase Transitions of Nonlinear Waves in Quadratic Waveguide Arrays. Physical Review Letters, 2010, 105, 233905.	7.8	19
119	Topological Floquet edge states in periodically curved waveguides. Physical Review A, 2018, 98, .	2.5	19
120	Slow-light vortices in periodic waveguides. Journal of Optics, 2009, 11, 094016.	1.5	18
121	Spectral pulse transformations and phase transitions in quadratic nonlinear waveguide arrays. Optics Express, 2011, 19, 23188.	3.4	18
122	Generation of photons with all-optically-reconfigurable entanglement in integrated nonlinear waveguides. Physical Review A, 2015, 92, .	2.5	18
123	Non-reciprocal geometric phase in nonlinear frequency conversion. Optics Letters, 2017, 42, 1990.	3.3	18
124	Multisoliton complexes on a background. Physical Review E, 2000, 61, 5893-5899.	2.1	17
125	Three-dimensional matter-wave vortices in optical lattices. Physical Review A, 2005, 72, .	2.5	17
126	Incoherent multi-gap optical solitons in nonlinear photonic lattices. Optics Express, 2005, 13, 2916.	3.4	17



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127	Light localization in azimuthally modulated Bessel photonic lattices. Journal of Materials Science: Materials in Electronics, 2007, 18, 277-283.	2.2	17
128	Approximate solutions and scaling transformations for quadratic solitons. Physical Review E, 2000, 61, 4530-4539.	2.1	16
129	Bloch oscillations in chirped layered structures with metamaterials. Optics Express, 2008, 16, 3299.	3.4	16
130	Anti-Fermi-Pasta-Ulam energy recursion in diatomic lattices at low energy densities. Physical Review B, 2009, 80, .	3.2	16
131	All-optical switching of dark states in nonlinear coupled microring resonators. Optics Letters, 2010, 35, 3712.	3.3	16
132	Classical simulation of squeezed light in optical waveguide arrays. Physical Review A, 2013, 87, .	2.5	16
133	Single-photon spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. Optics Communications, 2014, 327, 22-26.	2.1	16
134	Atom-mediated spontaneous parametric down-conversion in periodic waveguides. Optics Letters, 2017, 42, 4724.	3.3	16
135	Nonlinear switching and reshaping of slow-light pulses in Bragg-grating couplers. Journal of the Optical Society of America B: Optical Physics, 2008, 25, C15.	2.1	15
136	Dispersion extraction with near-field measurements in periodic waveguides. Optics Express, 2009, 17, 3716.	3.4	15
137	Complex-Birefringent Dielectric Metasurfaces for Arbitrary Polarization-Pair Transformations. ACS Photonics, 2020, 7, 3015-3022.	6.6	14
138	Nonlinear directional coupler for polychromatic light. Optics Letters, 2007, 32, 475.	3.3	13
139	Beam oscillations and curling in chirped periodic structures with metamaterials. Physical Review A, 2009, 79, .	2.5	13
140	Generation of orbital-angular-momentum-entangled biphotons in triangular quadratic waveguide arrays. Physical Review A, 2013, 87, .	2.5	13
141	Lattice topology and spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. Physical Review A, 2015, 92, .	2.5	13
142	Slow-light and evanescent modes at interfaces in photonic crystal waveguides: optimal extraction from experimental near-field measurements. Journal of the Optical Society of America B: Optical Physics, 2011, 28, 955.	2.1	12
143	Multi-soliton complexes in a sea of radiation modes. Optics Communications, 2001, 195, 293-302.	2.1	11
144	Spatiotemporal control of light by Bloch-mode dispersion in multi-core fibers. Optics Express, 2008, 16, 5878.	3.4	11

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145	Degenerate band edges in optical fiber with multiple grating: efficient coupling to slow light. <i>Optics Letters</i> , 2011, 36, 3257.	3.3	11
146	Fabrication of free-standing lithium niobate nanowaveguides down to 50 nm in width. <i>Nanotechnology</i> , 2016, 27, 065301.	2.6	11
147	Bistable lasing in parity-time symmetric coupled fiber rings. <i>Photonics Research</i> , 2018, 6, A18.	7.0	11
148	Metasurface-Assisted Quantum Ghost Discrimination of Polarization Objects. <i>Physical Review Applied</i> , 2021, 16, .	3.8	11
149	Multi-component optical solitary waves. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2000, 288, 152-173.	2.6	10
150	Multiport soliton devices with controllable transmission. <i>Optics Letters</i> , 2003, 28, 908.	3.3	10
151	On a class of spatial discretizations of equations of the nonlinear Schrödinger type. <i>Mathematics and Computers in Simulation</i> , 2007, 74, 343-351.	4.4	10
152	Observation of nonlinear surface waves in modulated waveguide arrays. <i>Optics Letters</i> , 2009, 34, 2751.	3.3	10
153	Experimental demonstration of bidirectional light transfer in adiabatic waveguide structures. <i>Optics Letters</i> , 2016, 41, 5278.	3.3	10
154	Photon-pair generation in a quadratically nonlinear parity-time symmetric coupler. <i>Photonics Research</i> , 2018, 6, A6.	7.0	10
155	Observation of localized modes at effective gauge field interface in synthetic mesh lattice. <i>Scientific Reports</i> , 2019, 9, 3464.	3.3	10
156	Effect of weak discreteness on two-soliton collisions in nonlinear Schrödinger equation. <i>Physica B: Condensed Matter</i> , 2002, 316-317, 136-138.	2.7	9
157	Observation of transverse instabilities in optically induced lattices. <i>Optics Letters</i> , 2004, 29, 259.	3.3	9
158	Cavity mode control in side-coupled periodic waveguides: Theory and experiment. <i>Photonics and Nanostructures - Fundamentals and Applications</i> , 2010, 8, 310-317.	2.0	9
159	Analytical study of pulse amplification in silicon Raman amplifiers. <i>Optics Express</i> , 2010, 18, 18324.	3.4	9
160	Bistability suppression and low threshold switching using frozen light at a degenerate band edge waveguide. <i>Optics Express</i> , 2012, 20, 27363.	3.4	9
161	Transition from slow and frozen to superluminal and backward light through loss or gain in dispersion-engineered waveguides. <i>Physical Review A</i> , 2012, 85, .	2.5	9
162	Synthetic photonic lattice for single-shot reconstruction of frequency combs. <i>APL Photonics</i> , 2020, 5, .	5.7	9

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163	Multistep cascading and fourth-harmonic generation. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2001, 281, 34-38.	2.1	8
164	Polychromatic solitons and symmetry breaking in curved waveguide arrays. <i>Optics Letters</i> , 2010, 35, 1371.	3.3	8
165	Band structure and broadband compensation of absorption by amplification in layered optical metamaterials. <i>Journal of Experimental and Theoretical Physics</i> , 2012, 114, 782-791.	0.9	8
166	Enhanced generation of angle correlated photon-pairs in nonlinear metasurfaces. <i>New Journal of Physics</i> , 2022, 24, 035006.	2.9	8
167	Discrete reduced-symmetry solitons and second-band vortices in two-dimensional nonlinear waveguide arrays. <i>Physical Review E</i> , 2009, 80, 046604.	2.1	7
168	Paired modes of heterostructure cavities in photonic crystal waveguides with split band edges. <i>Optics Express</i> , 2010, 18, 25693.	3.4	7
169	Observation of tunneling of slow and fast electromagnetic modes in coupled periodic waveguides. <i>Applied Physics Letters</i> , 2011, 98, .	3.3	7
170	Optical Tamm states in arrays of all-dielectric nanoparticles. <i>JETP Letters</i> , 2014, 100, 430-433.	1.4	7
171	Reflectionless potentials for slow whispering gallery modes in surface nanoscale axial photonic fiber resonators. <i>Optics Letters</i> , 2015, 40, 3806.	3.3	7
172	Complete spectral gap in coupled dielectric waveguides embedded into metal. <i>Applied Physics Letters</i> , 2010, 97, 021106.	3.3	6
173	Polarization Rotation in Silicon Waveguides: Analytical Modeling and Applications. <i>IEEE Photonics Journal</i> , 2010, 2, 423-435.	2.0	6
174	Control of light transmission in laser-written phase-shifted Bragg grating couplers. <i>Optics Letters</i> , 2011, 36, 1380.	3.3	6
175	Coupled-mode theory analysis of optical forces between longitudinally shifted periodic waveguides. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2013, 30, 736.	2.1	6
176	Spatio-temporal dynamics of single-cycle optical pulses and nonlinear frequency conversion. <i>International Journal of Modern Physics B</i> , 2014, 28, 1442007.	2.0	6
177	Chaotic oscillations of coupled nanobeam cavities with tailored optomechanical potentials. <i>Optics Letters</i> , 2014, 39, 3543.	3.3	6
178	Coherent control of flexural vibrations in dual-nanoweb fibers using phase-modulated two-frequency light. <i>Physical Review A</i> , 2017, 96, .	2.5	6
179	Towards on-chip photon-pair bell tests: Spatial pump filtering in a LiNbO <sub>3</sub> adiabatic coupler. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	6
180	Nonlinear transition between PT-symmetric and PT-broken modes in coupled fiber lasers. <i>Optics Express</i> , 2020, 28, 30340.	3.4	6

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181	Optical Neural Network Based on Synthetic Nonlinear Photonic Lattices. Physical Review Applied, 2022, 17, .	3.8	6
182	Self-trapped optical beams: Spatial solitons. Pramana - Journal of Physics, 2001, 57, 1079-1095.	1.8	5
183	Discrete interband mutual focusing in nonlinear photonic lattices. Optics Express, 2005, 13, 5369.	3.4	5
184	Trapped Supercontinuum and Multi-Color Gap Solitons. Optics and Photonics News, 2007, 18, 41.	0.5	5
185	Observation of polychromatic gap solitons. Optics Express, 2008, 16, 5991.	3.4	5
186	Phase sensitivity of light dynamics in PT-symmetric couplers. Applied Physics A: Materials Science and Processing, 2014, 115, 443-447.	2.3	5
187	Asymmetric adiabatic couplers for fully-integrated broadband quantum-polarization state preparation. Scientific Reports, 2017, 7, 16841.	3.3	5
188	Sum-Frequency Generation and Photon-Pair Creation in AlGaAs Nano-Scale Resonators. , 2017, , .		5
189	Stability of Spatial Optical Solitons. Springer Series in Optical Sciences, 2001, , 211-245.	0.7	5
190	Inline detection and reconstruction of multiphoton quantum states. Optica, 2019, 6, 41.	9.3	5
191	Disorder-protected quantum state transmission through helical coupled-resonator waveguides. Photonics Research, 2020, 8, B15.	7.0	5
192	Two-Color Nonlinear Localized Modes in Photonic Crystals. Optics and Photonics News, 1999, 10, 34.	0.5	4
193	Photonic Bloch Oscillations and Zener Tunnelling. Optics and Photonics News, 2006, 17, 22.	0.5	4
194	Photonic crystal couplers for slow light. , 2008, , .		4
195	Lattice-controlled modulation instability in photorefractive feedback systems. Optics Letters, 2010, 35, 3568.	3.3	4
196	Nonlinear dynamics with higher-order modes in lithium niobate waveguide arrays. Applied Physics B: Lasers and Optics, 2011, 104, 487-493.	2.2	4
197	Discrete quadratic solitons with competing second-harmonic components. Physical Review A, 2011, 84, .	2.5	4
198	Slow-light enhanced optical forces between longitudinally shifted photonic-crystal nanowire waveguides. Optics Letters, 2012, 37, 785.	3.3	4

#	ARTICLE	IF	CITATIONS
199	Observation of Bloch oscillations with a threshold. APL Photonics, 2017, 2, .	5.7	4
200	Interplay of Cascaded Raman- and Brillouin-like Scattering in Nanostructured Optical Waveguides. ACS Photonics, 2018, 5, 1074-1083.	6.6	4
201	Soliton dynamics in deformable nonlinear lattices. Physical Review E, 2006, 74, 026606.	2.1	3
202	Managing Light in Nonlinear Disordered Media. Optics and Photonics News, 2007, 18, 30.	0.5	3
203	Spatial-spectral vortex solitons in quadratic lattices. Optics Letters, 2009, 34, 1168.	3.3	3
204	Nonlinear surface waves in arrays of curved waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 62-66.	2.0	3
205	Diffraction cancellation. Nature Photonics, 2011, 5, 4-5.	31.4	3
206	Combined frequency conversion and pulse compression in nonlinear tapered waveguides. Optics Letters, 2012, 37, 446.	3.3	3
207	Anderson Localization in Synthetic Photonic Lattices. , 2015, , .		3
208	Reconfigurable cluster-state generation in specially poled nonlinear waveguide arrays. Physical Review A, 2020, 101, .	2.5	3
209	Nonlocal splitting of photons on a nonlinear chip. Optics Letters, 2016, 41, 5604.	3.3	3
210	Signal manipulation with a PT-symmetric coupler embedded into an array of optical waveguides. Letters on Materials, 2014, 4, 222-225.	0.7	3
211	Intensity limits for stationary and interacting multi-soliton complexes. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 305, 160-166.	2.1	2
212	Parametric vector solitons in tetragonal crystals. Optics Letters, 2003, 28, 828.	3.3	2
213	One-dimensional periodic structures with complete spectral gap. , 2005, 6038, 200.		2
214	Focusing-to-defocusing crossover in nonlinear periodic structures. Optics Letters, 2010, 35, 3213.	3.3	2
215	Unified approach for retrieval of effective parameters of metamaterials. Proceedings of SPIE, 2011, , .	0.8	2
216	Effect of loss on single photon parametric amplification. Optics Communications, 2017, 390, 117-122.	2.1	2

#	ARTICLE	IF	CITATIONS
217	Optical emulation of photon-pair generation in nonlinear lossy waveguides. Europhysics Letters, 2017, 118, 54001.	2.0	2
218	Robust generation of orbital-angular-momentum-entangled biphotons in twisted nonlinear-waveguide arrays. Physical Review A, 2017, 96, .	2.5	2
219	Quantum imaging with dielectric metasurfaces for multi-photon polarization tomography. , 2017, , .		2
220	Deep learning with synthetic photonic lattices for equalization in optical transmission systems. , 2019, , .		2
221	Nonlinear quantum spectroscopy with parity-time-symmetric integrated circuits. Photonics Research, 2022, 10, 1763.	7.0	2
222	Slow light bullets in arrays of nonlinear Bragg-grating waveguides. , 2006, , .		1
223	<title>Optical lattices as nonlinear photonic crystals</title>. , 2007, , .		1
224	Pulse monitoring based on transverse SHG in periodic and disordered media. Proceedings of SPIE, 2007, , .	0.8	1
225	Defect-Free Surface Waves. Optics and Photonics News, 2008, 19, 26.	0.5	1
226	Coupled cavities and band-edge slow-light effects in periodic waveguides. , 2010, , .		1
227	Slow light in photonic crystals with loss or gain. , 2011, , .		1
228	Nonlinear coupled-mode theory for periodic waveguides and metamaterials with loss and gain. , 2012, , .		1
229	Slow-light enhanced optomechanical interactions. , 2012, , .		1
230	Harmonic Generation with Single-Cycle Light Pulses. EPJ Web of Conferences, 2013, 41, 01006.	0.3	1
231	Quantum walks of photon pairs in twisted waveguide arrays. Journal of Physics: Conference Series, 2015, 643, 012050.	0.4	1
232	Modulated coupled nanowires for ultrashort pulses. Optics Letters, 2015, 40, 4078.	3.3	1
233	Frequency Combs in Nonlinear SNAP Fiber Resonators. , 2016, , .		1
234	Surface waves in mesh synthetic photonic lattices. , 2016, , .		1

#	ARTICLE	IF	CITATIONS
235	Deriving eigenmode excitation spectrum of synthetic photonic lattices by means of optical heterodyning. <i>Laser Physics</i> , 2017, 27, 026203.	1.2	1
236	Harmonic generation enhancement due to interaction of few-cycle light pulses in nonlinear dielectric coating on a mirror. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2017, 381, 3714-3721.	2.1	1
237	Generation of orbital-angular-momentum entangled biphotons in twisted nonlinear waveguides. <i>Journal of Physics: Conference Series</i> , 2017, 917, 062010.	0.4	1
238	Sum-frequency generation and photon-pair creation in AlGaAs nano-disks. , 2017, , .		1
239	Nonlinear optical lattices with a void impurity. <i>Physical Review E</i> , 2019, 100, 042214.	2.1	1
240	Complex-Birefringent and Chiral Waveplates with Metasurfaces. , 2019, , .		1
241	Photon-pair generation via bound states in the continuum in nonlinear metasurfaces. , 2020, , .		1
242	Integrated Photonic Sources and Circuits in Lithium Niobate Platform. , 2021, , .		1
243	Dynamic band-gap solitons in nonlinear optically-induced lattices. , 2004, , .		1
244	Polychromatic multigap solitons in nonlinear photonic lattices. , 2005, , .		1
245	Complete conversion of one to two photons in dispersion-engineered nonlinear waveguides. , 2015, , .		1
246	Sum-Frequency- and Photon-Pair-Generation in AlGaAs Nano-Disks. , 2018, , .		1
247	<b>Guest Editorial for APL Special Topic on Synthetic Gauge Field Photonics</b>. <i>APL Photonics</i> , 0, , .	5.7	1
248	Complete conversion between one and two photons in nonlinear waveguides: theory of dispersion engineering. <i>New Journal of Physics</i> , 2022, 24, 065002.	2.9	1
249	<title>Focused optical and acoustic beams in media with nonlinear absorption</title>. , 1996, , .		0
250	<title>Multiwavelength and multicolor temporal and spatial optical solitons</title>. , 2000, 3927, 9.		0
251	Analytical Description of Quadratic Parametric Solitons. , 2001, , 111-114.		0
252	Soliton mobility in nonlinear lattices. , 2005, 5949, 211.		0

#	ARTICLE	IF	CITATIONS
253	Negative refraction in tunable periodic photonic structures. , 2005, , .		0
254	Soliton formation in square photonic lattice through combined effects of total internal and Bragg reflections. , 2005, , .		0
255	Confinement of light in left-handed periodic structures. , 2005, , .		0
256	Enhanced wave transport in nonlinear quasi-periodic lattices. , 2005, , .		0
257	Asymmetric multiband coupling in one-dimensional nonlinear photonic crystals. , 2005, , .		0
258	Optically-induced lattices as tunable nonlinear photonic crystals. , 2005, , .		0
259	Spatial switching in modulated photonic lattices. , 2005, , .		0
260	Solitons. Optics and Photonics News, 2005, 16, 43.	0.5	0
261	Discrete self-trapping vs. defocusing in nonlinear waveguide arrays. , 2006, , .		0
262	Surface multi-gap solitons in nonlinear waveguide arrays. , 2006, , .		0
263	Localization of light in Bessel photonic lattices. , 2006, , .		0
264	Molding Light in Two-Dimensional Photonic Lattices. Optics and Photonics News, 2006, 17, 38.	0.5	0
265	Demonstration of optically controlled beam steering in dynamic photonic lattices. , 2006, , .		0
266	Directional nonlinear wave transport in photonic lattices. , 2006, , .		0
267	Light localization in Bessel photonic lattices. , 2006, , .		0
268	Light localization in Bessel photonic lattices. , 2006, , .		0
269	Localization of light in optically-induced modulated Bessel lattices. , 2006, , .		0
270	Transverse phase-matched second-harmonic generation from counterpropagating beams for characterising ultrashort pulses. , 2007, , .		0



#	ARTICLE	IF	CITATIONS
271	All-optical switching of slow light in nonlinear Bragg grating coupler. , 2007, , .		0
272	Supercontinuum spatial gap solitons. , 2007, , .		0
273	Broadband switching of polychromatic light in nonlinear waveguide couplers. , 2007, , .		0
274	Observation of polychromatic gap solitons generated by supercontinuum light. , 2007, , .		0
275	Dispersionless tunneling of slow light in antisymmetric photonic-crystal couplers. , 2007, , .		0
276	All-optical switching of slow-light pulses in nonlinear Bragg grating couplers. , 2007, , .		0
277	Shaping and switching of polychromatic light in arrays of periodically curved nonlinear waveguides. Open Physics, 2008, 6, .	1.7	0
278	Shaping the colors of polychromatic light in femtosecond laser-written two-dimensional waveguide arrays. , 2008, , .		0
279	Nonlocal gap soliton in liquid infiltrated photonic crystal fibres. , 2008, , .		0
280	Design tolerances of nonlinear Bragg-grating couplers optimised for all-optical slow-light switching. , 2008, , .		0
281	Observation of novel surface waves in optical waveguide arrays. , 2008, , .		0
282	Experimental observation of slow light tunneling in coupled periodic waveguides. , 2008, , .		0
283	Spatiotemporal light localization in infiltrated waveguide arrays. , 2008, , .		0
284	Diffraction-managed solitons and nonlinear beam diffusion in modulated waveguide arrays. , 2008, , .		0
285	Observation of Slow Light Tunneling in Coupled Periodic Waveguides. , 2008, , .		0
286	A new type of surface waves in diffraction-managed optical waveguide arrays. , 2008, , .		0
287	Reflectionless defects in coupled resonator waveguides. , 2009, , .		0
288	Mobile light bullets in curved waveguide arrays. , 2009, , .		0

#	ARTICLE	IF	CITATIONS
289	Interface Solitons in Electro-Optically Configurable Waveguide Arrays. , 2009, , .		0
290	Spatial-spectral discrete vortex solitons in quadratic lattices. , 2009, , .		0
291	Observation of slow-light dynamics in coupled periodic waveguides. , 2009, , .		0
292	Nonlinear spectral demultiplexing in arrays of curved waveguides. , 2009, , .		0
293	Control of cavity modes in coupled periodic waveguides. , 2009, , .		0
294	Nonlinear surface waves in curved waveguide arrays. , 2009, , .		0
295	Nonlinear control of light in periodic photonic structures: From waveguides to cavities. , 2009, , .		0
296	Slow-light vortices in periodic waveguides. Proceedings of SPIE, 2009, , .	0.8	0
297	Complete spectral gap in coupled hollow metallic waveguides. , 2010, , .		0
298	Phase transitions of nonlinear waves in lithium niobate waveguide arrays. , 2010, , .		0
299	Raman Amplification and Tunable Pulse Delays in Silicon Waveguides. , 2010, , .		0
300	TaCoNa-Photonics 2009. Photonics and Nanostructures - Fundamentals and Applications, 2010, 8, 209.	2.0	0
301	Phase Transition of Discrete Quadratic Solitons. , 2010, , .		0
302	High efficiency harmonic generation in LiNbO3 membranes. , 2010, , .		0
303	Combined frequency conversion and pulse compression in nonlinear tapered waveguides. , 2010, , .		0
304	Coupling of cavities: the way to impose control over their modes. Proceedings of SPIE, 2010, , .	0.8	0
305	Two-dimensional surface waves in modulated photonic lattices. , 2011, , .		0
306	Stationary inflection points in optical waveguides: Accessible frozen light. , 2011, , .		0

#	ARTICLE	IF	CITATIONS
307	Loss saturation in dispersion-engineered slow light waveguides. , 2011, , .		0
308	TaCoNa-Photonics 2010. Photonics and Nanostructures - Fundamentals and Applications, 2011, 9, 295.	2.0	0
309	Time-reversal and nonlocal effects in PT -symmetric nonlinear lattices with balanced gain and loss. Proceedings of SPIE, 2011, , .	0.8	0
310	Slow-light enhanced forces between shifted photonic-crystal waveguides. , 2011, , .		0
311	Modulated nanowire couplers for ultrashort pulses. , 2011, , .		0
312	Photon pair generation and quantum walks in arrays of quadratic nonlinear waveguides. , 2011, , .		0
313	Nonlocal effects in waveguide arrays with PT-symmetric defects. , 2011, , .		0
314	Surface waves in two-dimensional modulated photonic lattices. , 2011, , .		0
315	Spatio-temporal dynamics of laser pulses in lithium niobate waveguide arrays. , 2011, , .		0
316	Nonlinear pulse transformation and phase transitions in LiNbO <sub>3</sub> waveguide arrays. , 2011, , .		0
317	Solitons in waveguide arrays with competing quadratic nonlinearities. , 2011, , .		0
318	Optical phase transitions and quantum walks in nonlinear waveguide arrays. , 2011, , .		0
319	Photon pair generation and quantum walks in quadratic nonlinear waveguide arrays. , 2011, , .		0
320	Observation of spontaneous parametric down conversion in LiNbO <sub>3</sub> waveguide arrays. , 2012, , .		0
321	Bloch-mode analysis for effective parameters restoration. , 2012, , .		0
322	Gain-induced compensation of losses in metal-dielectric metamaterials. , 2012, , .		0
323	Coupled-mode theory for nonlinear plasmonic structures and metamaterials. , 2013, , .		0
324	Publisher's Note: Loss compensation in metal-dielectric layered metamaterials [Phys. Rev. B <b>87</b> , 115139 (2013)]. Physical Review B, 2013, 87, .	3.2	0

#	ARTICLE	IF	CITATIONS
325	Photon pair generation in quadratic waveguide arrays: A classical optical simulation. , 2013, , .		0
326	Generation of reconfigurable photon-pair states in aperiodically poled quadratic waveguide arrays. , 2014, , .		0
327	Biphoton generation and pump filtering in nonlinear adiabatic waveguiding structures. , 2014, , .		0
328	Anderson localization of light in synthetic photonic lattices. , 2015, , .		0
329	Generation of quantum entangled states in nonlinear plasmonic structures and metamaterials (Presentation Recording). , 2015, , .		0
330	Harmonic generation by a terahertz pulse in a thin nonlinear layer on a metal mirror. , 2015, , .		0
331	Opto-mechanical interactions in split ball resonators (Presentation Recording). , 2015, , .		0
332	Parity-time anti-symmetric parametric amplification. Proceedings of SPIE, 2015, , .	0.8	0
333	Generation of photon pairs through parametric processes in nonlinear waveguides with the account of losses. Journal of Physics: Conference Series, 2016, 741, 012133.	0.4	0
334	Constructing eigenmode excitation spectrum in synthetic photonic lattices using optical heterodyning. Proceedings of SPIE, 2016, , .	0.8	0
335	Photonic modes localized by gauge field in synthetic photonic lattices. , 2017, , .		0
336	Quantum tomography of a nonlinear photonic circuit by classical sum-frequency generation measurements. , 2017, , .		0
337	Coherent control of flexural vibrations in dual-nanoweb fibre using phase-modulated two-colour CW laser light. , 2017, , .		0
338	Experimental realization of exact mapping from multi-dimensional to planar micro-photonic lattices. , 2017, , .		0
339	Quantum spectroscopy on a nonlinear photonic chip. , 2017, , .		0
340	Scalable on-chip quantum state tomography. , 2017, , .		0
341	Quantum polarization tomography with all-dielectric metasurfaces. , 2017, , .		0
342	Non-Hermitian Optical Waveguide Couplers. Springer Tracts in Modern Physics, 2018, , 277-300.	0.1	0

#	ARTICLE	IF	CITATIONS
343	Tomography of Quantum Dots in a Non-Hermitian Photonic Chip. , 2019, , .		0
344	Nonlinear Quantum Spectroscopy Enhanced by Parity-Time Symmetry. , 2019, , .		0
345	Direct Quantum Error Detection in Spatially Multiplexed Transmission. , 2019, , .		0
346	Generating Quantum States of Surface Plasmon-Polariton Pairs with a Nonlinear Nanoparticle. , 2019, , .		0
347	Robust Polarimetry with a Single Metagrating. , 2019, , .		0
348	Photon-pair Generation Via Multiple Bound States in the Continuum in Nonlinear Metasurfaces. , 2021, , .		0
349	Single-shot integrated multi-photon split state tomography. , 2021, , .		0
350	Deep Neural Networks with Time-Domain Synthetic Photonic Lattices. , 2021, , .		0
351	Demonstration of Lossy Linear Transformations and Two-Photon Interference via Singular Value Decomposition. , 2021, , .		0
352	Experimental Monitoring of Polarization Perturbations with Metasurfaces. , 2021, , .		0
353	Nonlinear Impurity Modes in Homogeneous and Periodic Media. , 2001, , 279-289.		0
354	Soliton control in waveguide arrays through Bloch-wave engineering. , 2004, , .		0
355	Observation of multi-gap vector solitons. , 2004, , .		0
356	Observation of discrete gap solitons in binary waveguide arrays. , 2004, , .		0
357	Gap solitons and mutual focusing in nonlinear periodic structures. , 2004, , .		0
358	Soliton control in modulated optically-induced photonic lattices. , 2005, , .		0
359	Tunable Negative Refraction in Nonlinear Photonic Lattices. , 2005, , .		0
360	Tunable Refraction in Nonlinear Optically-Induced Photonic Lattices. , 2005, , .		0

#	ARTICLE	IF	CITATIONS
361	Discrete and Gap Solitons in Triangular Photonic Lattices. , 2006, , .		0
362	Nonlinear diffusion and self-trapping of light in diffraction-managed photonic lattices. , 2007, , .		0
363	Slow-Light Switching in Nonlinear Bragg-Grating Couplers. , 2007, , .		0
364	Polychromatic gap solitons and breathers in nonlinear waveguide arrays. , 2007, , .		0
365	Reconstruction of Short Pulses via Transverse Second-Harmonic Generation in Disordered Media. , 2008, , .		0
366	Spatial Switching of Slow Light in Periodic Photonic Structures. Springer Series in Optical Sciences, 2010, , 55-70.	0.7	0
367	Polychromatic Light Localisation in Periodic Structures. Springer Series in Optical Sciences, 2010, , 145-161.	0.7	0
368	Two-Dimensional Dynamic Localization of Light. , 2010, , .		0
369	Observation of discrete reflectionless potentials. , 2010, , .		0
370	Observation of Evanescent Modes in Slow Light Photonic Crystal Waveguides. , 2010, , .		0
371	Polychromatic Solitons and Symmetry Breaking in Modulated Waveguide Arrays. , 2010, , .		0
372	Multiband quadratic solitons in waveguide arrays. , 2010, , .		0
373	Direct laser written couplers with shifted Bragg gratings. , 2010, , .		0
374	Switching from Nonlinear Beam Focusing to Defocusing in Periodic Structures. , 2010, , .		0
375	Nonlinear evolution of laser pulses in lithium niobate waveguide arrays. , 2011, , .		0
376	Low-Power All-Optical Switching through Frozen Light at Degenerate Band Edges. , 2012, , .		0
377	Classical Optical Simulation of Bi-Photon Generation in Quadratic Waveguide Arrays. , 2012, , .		0
378	Generation of Photon Pairs in Cubic Nonlinear Waveguide Arrays. , 2012, , .		0

#	ARTICLE	IF	CITATIONS
379	Simultaneous Photon-Pair Generation and Quantum Walks in a Waveguide Array. , 2012, , .		0
380	Nonlinear Control of Multicolor Beams in Coupled Optical Waveguides. Springer Series in Optical Sciences, 2012, , 111-132.	0.7	0
381	Observation of spontaneous parametric down-conversion in quadratic nonlinear waveguide arrays. , 2012, , .		0
382	Photon pair generation in nonlinear adiabatic waveguiding structures. , 2013, , .		0
383	Compact Fano states embedded in the continuum of waveguide arrays. , 2013, , .		0
384	Nonlinear Quantum Walks at the Edge of Quadratic Waveguide Arrays. , 2013, , .		0
385	Loss-Tolerant Photon-Pair Generation and Quantum Walks in Nonlinear Waveguide Arrays. , 2013, , .		0
386	Simulation of two-mode squeezing in photonic waveguide lattices. , 2014, , .		0
387	On Parametric Coupled Solitons with High-Order Dispersion. , 1999, , 235-238.		0
388	Optically tunable entangled photon state generation in a nonlinear directional coupler. , 2015, , .		0
389	Observation of Bloch oscillations with a threshold. , 2016, , .		0
390	Optical Simulation of Nonlinear Twisted-Ring Defect States with Planar Waveguide Arrays. , 2016, , .		0
391	Scalable on-chip quantum state tomography. , 2016, , .		0
392	Photon-pair generation and sum-frequency conversion in nonlinear dielectric nanoresonators. , 2016, , .		0
393	Generation of Photon-Plasmon Quantum Entanglement in Nonlinear Metamaterials. , 2016, , .		0
394	Photon-pair generation in nonlinear lossy waveguides: An optical emulation. , 2016, , .		0
395	Measurement of photon-pair generation in waveguide arrays with specialized poling. , 2016, , .		0
396	A nonlinear waveguide array with inhomogeneous poling pattern for the generation of photon pairs. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
397	Photonic cluster state generation in nonlinear waveguide arrays. , 2016, , .		0
398	A nonlinear waveguide array with inhomogeneous poling pattern for the generation of photon pairs and its characterization in the quantum and classical regimes. , 2016, , .		0
399	Quantum-classical correspondence for photon-pair generation in nonlinear dielectric nano-resonators. , 2016, , .		0
400	Parity-Time Symmetric Fiber Ring Laser. , 2017, , .		0
401	Localized Photonic Modes at Synthetic Gauge Lattice Interfaces. , 2017, , .		0
402	Nonlinearity-induced spectral lattice with optically tunable long-range complex hopping. , 2017, , .		0
403	Integrated Quantum Spectroscopy on a Nonlinear Chip. , 2017, , .		0
404	Scalable quantum tomography in a photonic chip. , 2017, , .		0
405	Photonic modes in synthetic photonic lattices localized due to nontrivial gauge field circulation. , 2017, , .		0
406	PT-symmetry of coupled fiber lasers. , 2017, , .		0
407	Localization in disordered potential in photonic lattice realized in time domain. , 2017, , .		0
408	Atom-mediated Spontaneous Parametric Down-conversion Using Bandgap Modes in Nonlinear Periodic Waveguides. , 2018, , .		0
409	Scalable multi-dimensional synthetic space and full state reconstruction in spectral lattices. , 2018, , .		0
410	Towards SPDC Spectroscopy on a LiNbO3 Chip. , 2018, , .		0
411	Influence of Kerr nonlinearity on PT-transition in coupled fibre lasers. , 2018, , .		0
412	Optimal Single Metagrating for Robust Polarization Measurements. , 2019, , .		0
413	Manipulating and Imaging Quantum Light with Dielectric Metasurfaces. , 2019, , .		0
414	Broadband On-Chip Adiabatic-Coupling Polarization Mode Splitters in Lithium Niobate Waveguides. , 2019, , .		0



#	ARTICLE	IF	CITATIONS
415	Spectral mapping of an integrated type-II photon-pair source using quantum-classical correspondence. , 2019, , .		0
416	Atom-mediated nonlinear photon-pair generation using photonic band-gap modes. , 2019, , .		0
417	Direct Detection of Quantum Phase Errors in Spatially Multiplexed Transmission Channels. , 2019, , .		0
418	Inline multiphoton quantum state tomography. , 2019, , .		0
419	Non-Degenerate Nonlinear Frequency Mixing in (110)-Grown GaAs Nanoresonators. , 2020, , .		0
420	Discerning Polarization Objects using Non-local Measurements with Metasurfaces. , 2020, , .		0
421	Arbitrary Transformation of Two-Photon Polarization States with Metasurfaces. , 2020, , .		0
422	Optimal Monitoring of Deviations from Target Polarization with Metasurfaces. , 2020, , .		0
423	Non-Degenerate Sum-Frequency Generation in (110)-Grown GaAs Nanoresonators. , 2020, , .		0
424	Arbitrary Transformation of Two-Photon Polarization-Entangled States with Metasurfaces. , 2020, , .		0
425	Optimal Monitoring of Arbitrary Target Polarization with Metasurfaces. , 2020, , .		0
426	Optimal Monitoring of Small Polarization Perturbations with Metasurfaces. , 2020, , .		0
427	Directional Radiated Emission From Converging Waveguide Arrays. , 2021, , .		0