

# Alexander Szameit

## List of Publications by Citations

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259  
papers

12,723  
citations

56  
h-index

106  
g-index

481  
ext. papers

16,349  
ext. citations

7.6  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
259	Photonic Floquet topological insulators. <i>Nature</i> , <b>2013</b> , 496, 196-200	50.4	1766
258	Experimental boson sampling. <i>Nature Photonics</i> , <b>2013</b> , 7, 540-544	33.9	443
257	Topologically protected bound states in photonic parity-time-symmetric crystals. <i>Nature Materials</i> , <b>2017</b> , 16, 433-438	27	414
256	Observation of a Topological Transition in the Bulk of a Non-Hermitian System. <i>Physical Review Letters</i> , <b>2015</b> , 115, 040402	7.4	380
255	Experimental observation of optical bound states in the continuum. <i>Physical Review Letters</i> , <b>2011</b> , 107, 183901	7.4	342
254	Observation of Localized States in Lieb Photonic Lattices. <i>Physical Review Letters</i> , <b>2015</b> , 114, 245503	7.4	319
253	Discrete optics in femtosecond-laser-written photonic structures. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2010</b> , 43, 163001	1.3	309
252	Strain-induced pseudomagnetic field and photonic Landau levels in dielectric structures. <i>Nature Photonics</i> , <b>2013</b> , 7, 153-158	33.9	244
251	Observation of photonic anomalous Floquet topological insulators. <i>Nature Communications</i> , <b>2017</b> , 8, 13756	17.4	226
250	Observation of unconventional edge states in photonic graphene. <i>Nature Materials</i> , <b>2014</b> , 13, 57-62	27	202
249	PT-symmetry in honeycomb photonic lattices. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	192
248	Topological creation and destruction of edge states in photonic graphene. <i>Physical Review Letters</i> , <b>2013</b> , 111, 103901	7.4	183
247	Generalized bulk-boundary correspondence in non-Hermitian topoelectrical circuits. <i>Nature Physics</i> , <b>2020</b> , 16, 747-750	16.2	162
246	Three-dimensional light bullets in arrays of waveguides. <i>Physical Review Letters</i> , <b>2010</b> , 105, 263901	7.4	159
245	Experimental observation of bulk and edge transport in photonic Lieb lattices. <i>New Journal of Physics</i> , <b>2014</b> , 16, 063061	2.9	147
244	Control of directional evanescent coupling in fs laser written waveguides. <i>Optics Express</i> , <b>2007</b> , 15, 1579-87	3.7	143
243	Two-dimensional soliton in cubic fs laser written waveguide arrays in fused silica. <i>Optics Express</i> , <b>2006</b> , 14, 6055-62	3.3	143

242	Classical simulation of relativistic Zitterbewegung in photonic lattices. <i>Physical Review Letters</i> , <b>2010</b> , 105, 143902	7.4	142
241	Bloch-Zener oscillations in binary superlattices. <i>Physical Review Letters</i> , <b>2009</b> , 102, 076802	7.4	139
240	Compact surface Fano states embedded in the continuum of waveguide arrays. <i>Physical Review Letters</i> , <b>2013</b> , 111, 240403	7.4	137
239	Sparsity-based single-shot subwavelength coherent diffractive imaging. <i>Nature Materials</i> , <b>2012</b> , 11, 455-27	9.7	135
238	Topological funneling of light. <i>Science</i> , <b>2020</b> , 368, 311-314	33.3	134
237	Super-resolution and reconstruction of sparse sub-wavelength images. <i>Optics Express</i> , <b>2009</b> , 17, 23920-463	4.3	127
236	Laser written circuits for quantum photonics. <i>Laser and Photonics Reviews</i> , <b>2015</b> , 9, 363-384	8.3	126
235	Photonic topological insulator in synthetic dimensions. <i>Nature</i> , <b>2019</b> , 567, 356-360	50.4	120
234	Anderson localization in optical waveguide arrays with off-diagonal coupling disorder. <i>Optics Express</i> , <b>2011</b> , 19, 13636-46	3.3	116
233	Polychromatic dynamic localization in curved photonic lattices. <i>Nature Physics</i> , <b>2009</b> , 5, 271-275	16.2	114
232	Discrete nonlinear localization in femtosecond laser written waveguides in fused silica. <i>Optics Express</i> , <b>2005</b> , 13, 10552-7	3.3	110
231	Observation of Two-Dimensional Surface Solitons in Asymmetric Waveguide Arrays. <i>Physical Review Letters</i> , <b>2007</b> , 98,	7.4	107
230	Photonic topological Anderson insulators. <i>Nature</i> , <b>2018</b> , 560, 461-465	50.4	105
229	Coherent quantum transport in photonic lattices. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	103
228	Sparsity based sub-wavelength imaging with partially incoherent light via quadratic compressed sensing. <i>Optics Express</i> , <b>2011</b> , 19, 14807-22	3.3	103
227	Nonlinear refractive index of fs-laser-written waveguides in fused silica. <i>Optics Express</i> , <b>2006</b> , 14, 2151-733	3.3	103
226	Inhibition of light tunneling in waveguide arrays. <i>Physical Review Letters</i> , <b>2009</b> , 102, 153901	7.4	97
225	Supersymmetric mode converters. <i>Nature Communications</i> , <b>2014</b> , 5, 3698	17.4	93

224	Adiabatic transfer of light via a continuum in optical waveguides. <i>Optics Letters</i> , <b>2009</b> , 34, 2405-7	3	87
223	Mobility transition from ballistic to diffusive transport in non-Hermitian lattices. <i>Nature Communications</i> , <b>2013</b> , 4, 2533	17.4	84
222	Quantum walks of correlated photon pairs in two-dimensional waveguide arrays. <i>Physical Review Letters</i> , <b>2014</b> , 112, 143604	7.4	82
221	On-chip generation of high-order single-photon W-states. <i>Nature Photonics</i> , <b>2014</b> , 8, 791-795	33.9	78
220	Wave localization at the boundary of disordered photonic lattices. <i>Optics Letters</i> , <b>2010</b> , 35, 1172-4	3	77
219	A novel integrated quantum circuit for high-order W-state generation and its highly precise characterization. <i>Science Bulletin</i> , <b>2015</b> , 60, 96-100	10.6	73
218	Quasi-incoherent propagation in waveguide arrays. <i>Applied Physics Letters</i> , <b>2007</b> , 90, 241113	3.4	73
217	Observation of two-dimensional dynamic localization of light. <i>Physical Review Letters</i> , <b>2010</b> , 104, 223903	7.4	71
216	Spectral resolved dynamic localization in curved fs laser written waveguide arrays. <i>Optics Express</i> , <b>2008</b> , 16, 3474-83	3.3	71
215	Generalized Multiphoton Quantum Interference. <i>Physical Review X</i> , <b>2015</b> , 5,	9.1	66
214	Classical analogue of displaced Fock states and quantum correlations in Glauber-Fock photonic lattices. <i>Physical Review Letters</i> , <b>2011</b> , 107, 103601	7.4	66
213	Hexagonal waveguide arrays written with fs-laser pulses. <i>Applied Physics B: Lasers and Optics</i> , <b>2006</b> , 82, 507-512	1.9	65
212	All-optical routing and switching for three-dimensional photonic circuitry. <i>Scientific Reports</i> , <b>2011</b> , 1, 94	4.9	62
211	Geometric potential and transport in photonic topological crystals. <i>Physical Review Letters</i> , <b>2010</b> , 104, 150403	7.4	61
210	Decay control via discrete-to-continuum coupling modulation in an optical waveguide system. <i>Physical Review Letters</i> , <b>2008</b> , 101, 143602	7.4	61
209	Goos-Hänchen and Imbert-Fedorov shifts for Gaussian beams impinging on graphene-coated surfaces. <i>Optics Express</i> , <b>2015</b> , 23, 30195-203	3.3	58
208	Nonlinearity-induced photonic topological insulator. <i>Science</i> , <b>2020</b> , 370, 701-704	33.3	57
207	Enhancing coherent transport in a photonic network using controllable decoherence. <i>Nature Communications</i> , <b>2016</b> , 7, 11282	17.4	57

206	Optics in curved space. <i>Physical Review Letters</i> , <b>2010</b> , 105, 143901	7.4	57
205	Transport in Sawtooth photonic lattices. <i>Optics Letters</i> , <b>2016</b> , 41, 2414-7	3	57
204	Einstein-Podolsky-Rosen spatial entanglement in ordered and anderson photonic lattices. <i>Physical Review Letters</i> , <b>2013</b> , 110, 150503	7.4	56
203	Polychromatic beam splitting by fractional stimulated Raman adiabatic passage. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 261102	3.4	55
202	Implementation of quantum and classical discrete fractional Fourier transforms. <i>Nature Communications</i> , <b>2016</b> , 7, 11027	17.4	54
201	Roadmap on STIRAP applications. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2019</b> , 52, 202001	1.3	54
200	Optical analogues for massless dirac particles and conical diffraction in one dimension. <i>Physical Review Letters</i> , <b>2012</b> , 109, 023602	7.4	54
199	Observation of PT-symmetric quantum interference. <i>Nature Photonics</i> , <b>2019</b> , 13, 883-887	33.9	53
198	A square-root topological insulator with non-quantized indices realized with photonic Aharonov-Bohm cages. <i>Nature Communications</i> , <b>2020</b> , 11, 907	17.4	53
197	Super-resolution and reconstruction of sparse images carried by incoherent light. <i>Optics Letters</i> , <b>2010</b> , 35, 1148-50	3	53
196	Observation of defect-free surface modes in optical waveguide arrays. <i>Physical Review Letters</i> , <b>2008</b> , 101, 203902	7.4	52
195	Topological protection of photonic path entanglement. <i>Optica</i> , <b>2016</b> , 3, 925	8.6	52
194	Amorphous photonic lattices: band gaps, effective mass, and suppressed transport. <i>Physical Review Letters</i> , <b>2011</b> , 106, 193904	7.4	51
193	Light evolution in arbitrary two-dimensional waveguide arrays. <i>Physical Review A</i> , <b>2007</b> , 75,	2.6	49
192	Light tunneling inhibition and anisotropic diffraction engineering in two-dimensional waveguide arrays. <i>Optics Letters</i> , <b>2009</b> , 34, 2906-8	3	47
191	Klein tunneling of light in waveguide superlattices. <i>Europhysics Letters</i> , <b>2012</b> , 97, 10008	1.6	46
190	Glauber-Fock photonic lattices. <i>Optics Letters</i> , <b>2010</b> , 35, 2409-11	3	46
189	Observation of diffraction-managed discrete solitons in curved waveguide arrays. <i>Physical Review A</i> , <b>2008</b> , 78,	2.6	46

188	Demonstration of local teleportation using classical entanglement. <i>Laser and Photonics Reviews</i> , <b>2016</b> , 10, 317-321	8.3	46
187	Light transport in PT-invariant photonic structures with hidden symmetries. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	44
186	Demonstration of a two-dimensional [Formula: see text]-symmetric crystal. <i>Nature Communications</i> , <b>2019</b> , 10, 435	17.4	43
185	Impact of loss on the wave dynamics in photonic waveguide lattices. <i>Physical Review Letters</i> , <b>2014</b> , 113, 123903	7.4	43
184	Arbitrary photonic wave plate operations on chip: realizing Hadamard, Pauli-X, and rotation gates for polarisation qubits. <i>Scientific Reports</i> , <b>2014</b> , 4, 4118	4.9	43
183	Universal Sign Control of Coupling in Tight-Binding Lattices. <i>Physical Review Letters</i> , <b>2016</b> , 116, 213901	7.4	41
182	Diffraction control in periodically curved two-dimensional waveguide arrays. <i>Optics Express</i> , <b>2007</b> , 15, 9737-47	3.3	41
181	Observation of two-dimensional lattice interface solitons. <i>Optics Letters</i> , <b>2008</b> , 33, 663-5	3	40
180	Integrated-optics heralded controlled-NOT gate for polarization-encoded qubits. <i>Npj Quantum Information</i> , <b>2018</b> , 4,	8.6	39
179	$\mathcal{PT}$ -symmetric photonic quantum systems with gain and loss do not exist. <i>Europhysics Letters</i> , <b>2018</b> , 122, 34001	1.6	39
178	Effect of Orbital Angular Momentum on Nondiffracting Ultrashort Optical Pulses. <i>Physical Review Letters</i> , <b>2015</b> , 115, 100401	7.4	39
177	Image reconstruction in segmented femtosecond laser-written waveguide arrays. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 181109	3.4	39
176	Quasi $\mathcal{P}$ $\mathcal{T}$ -symmetry in passive photonic lattices. <i>Journal of Optics (United Kingdom)</i> , <b>2014</b> , 16, 065501	1.7	38
175	Nonlinear tuning of PT symmetry and non-Hermitian topological states. <i>Science</i> , <b>2021</b> , 372, 72-76	33.3	38
174	Generalized radially self-accelerating helicon beams. <i>Physical Review Letters</i> , <b>2014</b> , 113, 183901	7.4	37
173	Experimental observation of N00N state Bloch oscillations. <i>Nature Communications</i> , <b>2015</b> , 6, 8273	17.4	36
172	Perfect transfer of path-entangled photons in Jx photonic lattices. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	36
171	Direct observation of Landau-Zener tunneling in a curved optical waveguide coupler. <i>Physical Review A</i> , <b>2009</b> , 79,	2.6	36

170	Generating photon-encoded W states in multiport waveguide-array systems. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	35
169	Second-order coupling in femtosecond-laser-written waveguide arrays. <i>Optics Letters</i> , <b>2008</b> , 33, 2689-913		34
168	Light guiding by artificial gauge fields. <i>Nature Photonics</i> , <b>2019</b> , 13, 339-345	33.9	33
167	Hanbury Brown and Twiss correlations of Anderson localized waves. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	33
166	Observation of two-dimensional defect surface solitons. <i>Optics Letters</i> , <b>2009</b> , 34, 797-9	3	33
165	Observation of three-dimensional discrete-continuous x waves in photonic lattices. <i>Physical Review Letters</i> , <b>2009</b> , 103, 113903	7.4	32
164	Evolution dynamics of discrete-continuous light bullets. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	31
163	Realization of reflectionless potentials in photonic lattices. <i>Physical Review Letters</i> , <b>2011</b> , 106, 193903	7.4	31
162	Observation of Bloch-like revivals in semi-infinite Glauber-Fock photonic lattices. <i>Optics Letters</i> , <b>2012</b> , 37, 3801-3	3	31
161	Nonlinearity-induced broadening of resonances in dynamically modulated couplers. <i>Optics Letters</i> , <b>2009</b> , 34, 2700-2	3	31
160	Integrated photonic quantum walks. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 103002	1.7	31
159	Flat-band light dynamics in Stub photonic lattices. <i>Scientific Reports</i> , <b>2017</b> , 7, 15085	4.9	30
158	Long-range interaction in waveguide lattices. <i>Physical Review A</i> , <b>2008</b> , 77,	2.6	30
157	Optical simulation of charge conservation violation and Majorana dynamics. <i>Optica</i> , <b>2015</b> , 2, 454	8.6	29
156	Biphoton generation in quadratic waveguide arrays: a classical optical simulation. <i>Scientific Reports</i> , <b>2012</b> , 2, 562	4.9	29
155	Tailoring the correlation and anticorrelation behavior of path-entangled photons in Glauber-Fock oscillator lattices. <i>Physical Review A</i> , <b>2012</b> , 85,	2.6	29
154	Nontrivial coupling of light into a defect: the interplay of nonlinearity and topology. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 147	16.7	29
153	Fresnel's laws in discrete optical media. <i>New Journal of Physics</i> , <b>2008</b> , 10, 103020	2.9	28

152	Scalable on-chip quantum state tomography. <i>Npj Quantum Information</i> , <b>2018</b> , 4,	8.6	27
151	Observation of supersymmetric scattering in photonic lattices. <i>Optics Letters</i> , <b>2014</b> , 39, 6130-3	3	27
150	Photon correlations in two-dimensional waveguide arrays and their classical estimate. <i>Physical Review A</i> , <b>2010</b> , 81,	2.6	27
149	Observation of surface solitons in chirped waveguide arrays. <i>Optics Letters</i> , <b>2008</b> , 33, 1132-4	3	26
148	Experimental observation of superdiffusive transport in random dimer lattices. <i>New Journal of Physics</i> , <b>2013</b> , 15, 013045	2.9	25
147	Perfect imaging through a disordered waveguide lattice. <i>Optics Letters</i> , <b>2012</b> , 37, 809-11	3	25
146	Realization of Free-Space Long-Distance Self-Healing Bessel Beams. <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900103	8.3	24
145	The random mass Dirac model and long-range correlations on an integrated optical platform. <i>Nature Communications</i> , <b>2013</b> , 4, 1368	17.4	24
144	Nonlinear discrete optics in femtosecond laser-written photonic lattices. <i>Applied Physics B: Lasers and Optics</i> , <b>2011</b> , 104, 469-480	1.9	24
143	Evanescent coupling in arrays of type II femtosecond laser-written waveguides in bulk x-cut lithium niobate. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 101111	3.4	24
142	Harnessing click detectors for the genuine characterization of light states. <i>Scientific Reports</i> , <b>2016</b> , 6, 19489	4.9	23
141	Anderson cross-localization. <i>Optics Letters</i> , <b>2012</b> , 37, 1715-7	3	23
140	Edge states in disordered photonic graphene. <i>Optics Letters</i> , <b>2014</b> , 39, 602-5	3	22
139	Surface solitons at interfaces of arrays with spatially modulated nonlinearity. <i>Optics Letters</i> , <b>2008</b> , 33, 1120-2	3	22
138	Light bullets in waveguide arrays: spacetime-coupling, spectral symmetry breaking and superluminal decay [Invited]. <i>Optics Express</i> , <b>2011</b> , 19, 23171-87	3.3	21
137	Observation of discrete solitons in lattices with second-order interaction. <i>Optics Letters</i> , <b>2009</b> , 34, 2838-40		21
136	Optical Bloch oscillations in general waveguide lattices. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2007</b> , 24, 2632	1.7	21
135	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , <b>2020</b> , 14, 76-81	33.9	21



134	Anderson localization in a periodic photonic lattice with a disordered boundary. <i>Optics Letters</i> , <b>2012</b> , 37, 485-7	3	20
133	Endurance of quantum coherence due to particle indistinguishability in noisy quantum networks. <i>Npj Quantum Information</i> , <b>2018</b> , 4,	8.6	20
132	Nonlinear second-order photonic topological insulators. <i>Nature Physics</i> , <b>2021</b> , 17, 995-1000	16.2	20
131	Experimental Realization of PT-Symmetric Flat Bands. <i>Physical Review Letters</i> , <b>2019</b> , 123, 183601	7.4	19
130	Vacuum instability and pair production in an optical setting. <i>Physical Review Letters</i> , <b>2012</b> , 109, 110401	7.4	19
129	Observation of anharmonic Bloch oscillations. <i>Optics Letters</i> , <b>2011</b> , 36, 3963-5	3	19
128	Vector Topological Edge Solitons in Floquet Insulators. <i>ACS Photonics</i> , <b>2020</b> , 7, 735-745	6.3	18
127	Spatial Goos-Hänchen shift in photonic graphene. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	18
126	Tapering of femtosecond laser-written waveguides. <i>Applied Optics</i> , <b>2018</b> , 57, 377-381	1.7	18
125	Coherent random walks in free space. <i>Optica</i> , <b>2014</b> , 1, 268	8.6	17
124	Observation of two-dimensional superlattice solitons. <i>Optics Letters</i> , <b>2009</b> , 34, 3701-3	3	17
123	Angular surface solitons in sectorial hexagonal arrays. <i>Optics Letters</i> , <b>2008</b> , 33, 1542-4	3	17
122	Hybrid Bloch-Anderson localization of light. <i>Optics Letters</i> , <b>2013</b> , 38, 1488-90	3	16
121	Observation of the gradual transition from one-dimensional to two-dimensional Anderson localization. <i>Optics Letters</i> , <b>2012</b> , 37, 593-5	3	16
120	Topological Defect Engineering and PT Symmetry in Non-Hermitian Electrical Circuits. <i>Physical Review Letters</i> , <b>2021</b> , 126, 215302	7.4	16
119	Sub-thermal to super-thermal light statistics from a disordered lattice via deterministic control of excitation symmetry. <i>Optica</i> , <b>2016</b> , 3, 477	8.6	16
118	Analogue of Rashba pseudo-spin-orbit coupling in photonic lattices by gauge field engineering. <i>Physical Review B</i> , <b>2016</b> , 94,	3.3	15
117	Analytical model for polarization-dependent light propagation in waveguide arrays and applications. <i>Physical Review A</i> , <b>2014</b> , 90,	2.6	15

116	Artificial gauge field switching using orbital angular momentum modes in optical waveguides. <i>Light: Science and Applications</i> , <b>2020</b> , 9, 150	16.7	15
115	Spatial light rectification in an optical waveguide lattice. <i>Europhysics Letters</i> , <b>2013</b> , 101, 44002	1.6	14
114	Direct measurement of second-order coupling in a waveguide lattice. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 241104	3.4	14
113	Classical characterization of biphoton correlation in waveguide lattices. <i>Physical Review A</i> , <b>2011</b> , 83,	2.6	14
112	Two-dimensional solitons at interfaces between binary superlattices and homogeneous lattices. <i>Physical Review A</i> , <b>2009</b> , 80,	2.6	14
111	Superballistic growth of the variance of optical wave packets. <i>Optics Letters</i> , <b>2013</b> , 38, 4675-8	3	13
110	Negative coupling between defects in waveguide arrays. <i>Optics Letters</i> , <b>2012</b> , 37, 533-5	3	13
109	Edge solitons in Lieb topological Floquet insulator. <i>Optics Letters</i> , <b>2020</b> , 45, 1459-1462	3	13
108	Bragg solitons in topological Floquet insulators. <i>Optics Letters</i> , <b>2020</b> , 45, 2271-2274	3	13
107	Photoionization of neutral atoms by X waves carrying orbital angular momentum. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	12
106	Discrete-like diffraction dynamics in free space. <i>Optics Express</i> , <b>2013</b> , 21, 17951-60	3.3	12
105	Enhanced distribution of a wave-packet in lattices with disorder and nonlinearity. <i>Optics Express</i> , <b>2013</b> , 21, 927-34	3.3	12
104	Topological state engineering via supersymmetric transformations. <i>Communications Physics</i> , <b>2020</b> , 3,	5.4	11
103	Radiation-loss management in modulated waveguides. <i>Optics Letters</i> , <b>2014</b> , 39, 6831-4	3	11
102	Sparsity-Based Reconstruction of Subwavelength Images from their Optical Far-Field. <i>Optics and Photonics News</i> , <b>2010</b> , 21, 26	1.9	11
101	Fermionic time-reversal symmetry in a photonic topological insulator. <i>Nature Materials</i> , <b>2020</b> , 19, 855-860	10	10
100	Self-trapping threshold in disordered nonlinear photonic lattices. <i>Optics Letters</i> , <b>2013</b> , 38, 1518-20	3	10
99	Anderson localization of partially incoherent light. <i>Physical Review A</i> , <b>2011</b> , 84,	2.6	10

98	Disorder-enhanced nonlinear delocalization in segmented waveguide arrays. <i>New Journal of Physics</i> , <b>2012</b> , 14, 073026	2.9	10
97	Theory of topological corner state laser in Kagome waveguide arrays. <i>APL Photonics</i> , <b>2021</b> , 6, 040802	5.2	10
96	Observation of localized modes at phase slips in two-dimensional photonic lattices. <i>Optics Letters</i> , <b>2010</b> , 35, 2738-40	3	9
95	Soliton excitation in waveguide arrays with an effective intermediate dimensionality. <i>Physical Review Letters</i> , <b>2009</b> , 102, 063902	7.4	9
94	Observation of two-dimensional coherent surface vector lattice solitons. <i>Optics Letters</i> , <b>2009</b> , 34, 1624-6	3	9
93	Topological dipole Floquet solitons. <i>Physical Review A</i> , <b>2021</b> , 103,	2.6	9
92	Cylindrically polarized nondiffracting optical pulses. <i>Journal of Optics (United Kingdom)</i> , <b>2016</b> , 18, 075605	1.7	9
91	Measuring the Aharonov-Anandan phase in multiport photonic systems. <i>Optics Letters</i> , <b>2016</b> , 41, 1889-92	3	9
90	Advanced-Retarded Differential Equations in Quantum Photonic Systems. <i>Scientific Reports</i> , <b>2017</b> , 7, 42933	4.9	8
89	Universal form of the carrier frequency of scalar and vector paraxial X waves with orbital angular momentum and arbitrary frequency spectrum. <i>Physical Review A</i> , <b>2015</b> , 92,	2.6	8
88	Solitons in geometric potentials. <i>Optics Letters</i> , <b>2011</b> , 36, 3470-2	3	8
87	Negative Goos-Hänchen shift in periodic media. <i>Optics Letters</i> , <b>2011</b> , 36, 4446-8	3	8
86	Quasienergy band engineering and broadband dynamic localization in photonic lattices with long-range interaction. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	8
85	Transport and spectral features in non-Hermitian open systems. <i>Physical Review Research</i> , <b>2021</b> , 3,	3.9	8
84	Hybrid waveguide-bulk multi-path interferometer with switchable amplitude and phase. <i>APL Photonics</i> , <b>2016</b> , 1, 081302	5.2	8
83	Multiphoton discrete fractional Fourier dynamics in waveguide beam splitters. <i>Journal of the Optical Society of America B: Optical Physics</i> , <b>2018</b> , 35, 1985	1.7	8
82	Interferometric control of the photon-number distribution. <i>APL Photonics</i> , <b>2017</b> , 2, 071301	5.2	7
81	Correlations of indistinguishable particles in non-Hermitian lattices. <i>New Journal of Physics</i> , <b>2013</b> , 15, 033008	2.9	7

80	Nonlinear localized states in the vicinity of topological defects in waveguide arrays. <i>New Journal of Physics</i> , <b>2010</b> , 12, 113020	2.9	7
79	Quantum random number generation using a hexagonal boron nitride single photon emitter. <i>Journal of Optics (United Kingdom)</i> , <b>2021</b> , 23, 01LT01	1.7	7
78	Fractal photonic topological insulators.. <i>Science</i> , <b>2022</b> , 376, eabm2842	33.3	7
77	Observation of dipolar transport in one-dimensional photonic lattices. <i>Science Bulletin</i> , <b>2017</b> , 62, 339-344	10.6	6
76	Two-particle quantum correlations at graphene edges. <i>2D Materials</i> , <b>2015</b> , 2, 034005	5.9	6
75	Analog gravity by an optical vortex: Resonance enhancement of Hawking radiation. <i>Physical Review A</i> , <b>2018</b> , 97,	2.6	6
74	The Pegg-Barnett phase operator and the discrete Fourier transform. <i>Physica Scripta</i> , <b>2016</b> , 91, 043008	2.6	6
73	Ultraprecise phase manipulation in integrated photonic quantum circuits with generalized directional couplers. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 061111	3.4	6
72	Transverse localization in nonlinear photonic lattices with second-order coupling. <i>Physical Review A</i> , <b>2013</b> , 87,	2.6	6
71	Optimization and control of two-component radially self-accelerating beams. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 211104	3.4	6
70	Light scattering in disordered honeycomb photonic lattices near the Dirac points. <i>Optics Letters</i> , <b>2013</b> , 38, 3727-30	3	6
69	Light-induced self-synchronizing flow patterns. <i>New Journal of Physics</i> , <b>2011</b> , 13, 053021	2.9	6
68	Transition from discrete to continuous Townes solitons in periodic media. <i>Physical Review A</i> , <b>2010</b> , 82,	2.6	6
67	Multi-waveguide excitation in fs laser written waveguide arrays. <i>Applied Physics B: Lasers and Optics</i> , <b>2007</b> , 87, 17-20	1.9	6
66	Topological triple phase transition in non-Hermitian Floquet quasicrystals.. <i>Nature</i> , <b>2022</b> , 601, 354-359	50.4	6
65	Squeezing of X waves with orbital angular momentum. <i>Physical Review A</i> , <b>2017</b> , 95,	2.6	5
64	Symmetry-controlled edge states in the type-II phase of Dirac photonic lattices. <i>Nature Communications</i> , <b>2020</b> , 11, 2074	17.4	5
63	Photonic coherent state transfer with Hamiltonian dynamics. <i>Optics Letters</i> , <b>2014</b> , 39, 123-6	3	5

62	Optical limiting and spectral stabilization in segmented photonic lattices. <i>Optics Express</i> , <b>2012</b> , 20, 27299-310	3.3	5
61	Optimal design strategy for non-Abelian geometric phases using Abelian gauge fields based on quantum metric. <i>Physical Review Research</i> , <b>2019</b> , 1,	3.9	5
60	Experimental study of the interplay between dynamic localization and Anderson localization. <i>Optics Letters</i> , <b>2020</b> , 45, 415	3	5
59	Topological effects in integrated photonic waveguide structures [Invited]. <i>Optical Materials Express</i> , <b>2021</b> , 11, 1014	2.6	5
58	Exploring complex graphs using three-dimensional quantum walks of correlated photons. <i>Science Advances</i> , <b>2021</b> , 7,	14.3	5
57	Two-particle four-point correlations in dynamically disordered tight-binding networks. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2018</b> , 51, 024002	1.3	4
56	Generalized Schrödinger cat states and their classical emulation. <i>Physical Review A</i> , <b>2016</b> , 93,	2.6	4
55	Super-resolution and reconstruction of sparse sub-wavelength images: erratum. <i>Optics Express</i> , <b>2010</b> , 18, 26631	3.3	4
54	Nonlinear localized modes in Glauber-Fock photonic lattices. <i>Optics Letters</i> , <b>2012</b> , 37, 1865-7	3	4
53	Embedded nanograting-based waveplates for polarization control in integrated photonic circuits. <i>Optical Materials Express</i> , <b>2019</b> , 9, 2560	2.6	4
52	Photonic two-particle quantum walks in SuSchriefferHeeger lattices. <i>Photonics Research</i> , <b>2021</b> , 9, A1	6	4
51	Integrated photonic quantum walks. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , <b>2020</b> , 53, 073001	1.3	4
50	Coexistence of dynamical delocalization and spectral localization through stochastic dissipation. <i>Nature Photonics</i> , <b>2021</b> , 15, 576-581	33.9	4
49	Hanbury Brown and Twiss anticorrelation in disordered photonic lattices. <i>Physical Review A</i> , <b>2016</b> , 94,	2.6	4
48	Quantum X waves with orbital angular momentum in nonlinear dispersive media. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 065201	1.7	4
47	Observation of Bloch oscillations with a threshold. <i>APL Photonics</i> , <b>2017</b> , 2, 051302	5.2	3
46	On-chip generation of Einstein-Podolsky-Rosen states with arbitrary symmetry. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 181106	3.4	3
45	Experimental realization of a topological Anderson insulator <b>2015</b> ,		3

44	Inline detection and reconstruction of multiphoton quantum states. <i>Optica</i> , <b>2019</b> , 6, 41	8.6	3
43	Discrete Optics in Femtosecond Laser Written Waveguide Arrays. <i>Topics in Applied Physics</i> , <b>2012</b> , 351-388.	5	3
42	Path-integral description of quantum nonlinear optics in arbitrary media. <i>Physical Review A</i> , <b>2019</b> , 100,	2.6	3
41	Dirac Dynamics in Waveguide Arrays: From Zitterbewegung to Photonic Topological Insulators. <i>Quantum Science and Technology</i> , <b>2017</b> , 181-214	1.2	2
40	Tailored radially self-accelerating beams. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 075605	1.7	2
39	Optical emulation of photon-pair generation in nonlinear lossy waveguides. <i>Europhysics Letters</i> , <b>2017</b> , 118, 54001	1.6	2
38	Real and virtual propagation dynamics of angular accelerating white light beams. <i>Optics Express</i> , <b>2017</b> , 25, 20530-20540	3.3	2
37	Observation of asymptotic localization of a wave packet. <i>Optics Letters</i> , <b>2011</b> , 36, 2065-7	3	2
36	Sparsity-based single-shot subwavelength coherent diffractive imaging <b>2012</b> ,		2
35	Coupling management of fs laser written waveguides <b>2007</b> , 6460, 136		2
34	Symmetry Allows for Distinguishability in Totally Destructive Many-Particle Interference. <i>PRX Quantum</i> , <b>2021</b> , 2,	6.1	2
33	Vector properties of radially self-accelerating beams. <i>Journal of Optics (United Kingdom)</i> , <b>2018</b> , 20, 125601	17	2
32	Parity-time (PT) symmetric topological interface states <b>2015</b> ,		1
31	Photonics: Random sudoku light. <i>Nature</i> , <b>2015</b> , 526, 643-4	50.4	1
30	Angular accelerating white light <b>2015</b> ,		1
29	Possible Link between the Distribution of Atomic Spectral Lines and the Radiation-Matter-Equilibrium in the Early Universe. <i>Annalen Der Physik</i> , <b>2020</b> , 532, 2000033	2.6	1
28	Dynamic localization in Glauber-Fock lattices. <i>Journal of Physics Condensed Matter</i> , <b>2013</b> , 25, 035603	1.8	1
27	Lieb Photonic Topological Insulator <b>2014</b> ,		1

26	Enhancement of the ensemble-averaged coupling between defects in random environments. <i>Optics Letters</i> , <b>2014</b> , 39, 3599-602	3	1
25	Observation of linear properties in a Sawtooth photonic lattice <b>2014</b> ,		1
24	Photonic Floquet topological insulators <b>2013</b> ,		1
23	Observation of dispersion-free edge states in honeycomb photonic lattices <b>2012</b> ,		1
22	Tunable discrete Talbot effect in inhomogeneous photonic lattices. <i>Optics Communications</i> , <b>2008</b> , 281, 1510-1514	2	1
21	Observation-dependent suppression and enhancement of two-photon coincidences by tailored losses. <i>Nature Photonics</i> ,	33.9	1
20	Observation of noise-assisted energy transport in dynamically disordered photonic lattices <b>2016</b> ,		1
19	Realization of Photonic Anomalous Floquet Topological Insulators <b>2017</b> ,		1
18	Realization of a Non-Quantized Square-Root Topological Insulator Based on Photonic Aharonov-Bohm Cages <b>2019</b> ,		1
17	Experimentally Realizing Photonic Topological Edge States in 3D <b>2020</b> ,		1
16	Improving techniques for diagnostics of laser pulses by compact representations. <i>Optics Express</i> , <b>2019</b> , 27, 8920-8934	3.3	1
15	Demonstration of a nonlinearity induced photonic topological insulator <b>2020</b> ,		1
14	Implementation of Quantum and Classical Discrete Fractional Fourier Transforms <b>2015</b> ,		1
13	Non-adiabatic dynamic-phase-free geometric phase in multiport photonic lattices. <i>Journal of Optics (United Kingdom)</i> , <b>2020</b> , 22, 035801	1.7	1
12	Rogue waves in disordered 1D photonic lattices. <i>Scientific Reports</i> , <b>2020</b> , 10, 13064	4.9	1
11	Localized modes in a two-dimensional lattice with a pluslike geometry. <i>Physical Review E</i> , <b>2020</b> , 102, 032207		1
10	Optimal Design Strategy of Non-Abelian Geometric Phases Based on Quantum Metric <b>2019</b> ,		1
9	Floquet Edge Multicolor Solitons. <i>Laser and Photonics Reviews</i> , <b>2022</b> , 16, 2100398	8.3	1

8	Towards probing for hypercomplex quantum mechanics in a waveguide interferometer. <i>New Journal of Physics</i> , <b>2021</b> , 23, 093038	2.9	0
7	Observation of Local Symmetry in a Photonic System. <i>Laser and Photonics Reviews</i> , <b>2020</b> , 14, 1900222	8.3	
6	Nonlinear light propagation in fs laser-written waveguide arrays. <i>MATEC Web of Conferences</i> , <b>2013</b> , 8, 06003	0.3	
5	Spatio-temporal hybrid Anderson localization. <i>Europhysics Letters</i> , <b>2014</b> , 108, 64002	1.6	
4	Observation of asymmetric solitons in waveguide arrays with refractive index gradient. <i>Optics Letters</i> , <b>2014</b> , 39, 3694-7	3	
3	Nonlinear Light Propagation in Laser-Written Waveguide Arrays. <i>Springer Series in Optical Sciences</i> , <b>2015</b> , 185-205	0.5	
2	Linear and Nonlinear Wave Dynamics in Amorphous Photonic Lattices. <i>Springer Series in Optical Sciences</i> , <b>2012</b> , 93-109	0.5	
1	Passive $\{PT\}$ -Symmetry in Laser-Written Optical Waveguide Structures. <i>Springer Tracts in Modern Physics</i> , <b>2018</b> , 123-153	0.1	