

Demetrios Christodoulides

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

204
papers

31,210
citations

72
h-index

176
g-index

286
ext. papers

39,229
ext. citations

9.6
avg, IF

7.51
L-index

#	Paper	IF	Citations
204	Multimode Mamyshev oscillator.. <i>Optics Letters</i> , 2022 , 47, 46-49	3	5
203	Topological modes in a laser cavity through exceptional state transfer.. <i>Science</i> , 2022 , 375, 884-888	33.3	2
202	Thermalization of Light's Orbital Angular Momentum in Nonlinear Multimode Waveguide Systems.. <i>Physical Review Letters</i> , 2022 , 128, 123901	7.4	1
201	Observation of Weyl exceptional rings in thermal diffusion.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119, e2110018119	11.5	1
200	Observation of chiral state transfer without encircling an exceptional point.. <i>Nature</i> , 2022 , 605, 256-261	50.4	1
199	Topological protection versus degree of entanglement of two-photon light in photonic topological insulators. <i>Nature Communications</i> , 2021 , 12, 1974	17.4	5
198	Fundamental entropic processes in the theory of optical thermodynamics. <i>Physical Review A</i> , 2021 , 103,	2.6	2
197	Nonlinear scattering by non-Hermitian multilayers with saturation effects. <i>Physical Review E</i> , 2021 , 103, 052205	2.4	2
196	Engineering interaction dynamics in active resonant photonic structures. <i>APL Photonics</i> , 2021 , 6, 050804	5.2	1
195	Weak beam self-cleaning of femtosecond pulses in the anomalous dispersion regime. <i>Optics Letters</i> , 2021 , 46, 3312-3315	3	1
194	Room temperature electrically pumped topological insulator lasers. <i>Nature Communications</i> , 2021 , 12, 3434	17.4	7
193	Gain-induced topological response via tailored long-range interactions. <i>Nature Physics</i> , 2021 , 17, 704-709	16.2	4
192	Flexible PT-Symmetric Optical Metasurfaces. <i>Physical Review Applied</i> , 2020 , 13,	4.3	3
191	Realizing spin Hamiltonians in nanoscale active photonic lattices. <i>Nature Materials</i> , 2020 , 19, 725-731	27	15
190	Mechanisms of spatiotemporal mode-locking. <i>Nature Physics</i> , 2020 , 16, 565-570	16.2	37
189	Symmetry-controlled edge states in the type-II phase of Dirac photonic lattices. <i>Nature Communications</i> , 2020 , 11, 2074	17.4	5
188	Omnipolarizer Action via Encirclement of Exceptional Points 2020 ,		2

187	Topological Haldane Lattice 2020 ,		2
186	Statistical mechanics of weakly nonlinear optical multimode gases. <i>Optics Letters</i> , 2020 , 45, 1651-1654	3	9
185	Non-Hermitian and topological photonics: optics at an exceptional point. <i>Nanophotonics</i> , 2020 , 10, 403-423	4.3	36
184	Optical Thermalization in Ultrashort Pulse Propagation in Multimode Fiber 2020 ,		1
183	Nanolaser-based emulators of spin Hamiltonians. <i>Nanophotonics</i> , 2020 , 9, 4193-4198	6.3	2
182	Enhanced modulation characteristics in broken symmetric coupled microring lasers. <i>Optics Express</i> , 2020 , 28, 19608-19616	3.3	2
181	Synthesizing multi-dimensional excitation dynamics and localization transition in one-dimensional lattices. <i>Nature Photonics</i> , 2020 , 14, 76-81	33.9	21
180	The Complex Charge Paradigm: A New Approach for Designing Electromagnetic Wavepackets. <i>Advanced Science</i> , 2020 , 7, 1903377	13.6	8
179	Integrative quantitative-phase and airy light-sheet imaging. <i>Scientific Reports</i> , 2020 , 10, 20150	4.9	4
178	Entropic thermodynamics of nonlinear photonic chain networks. <i>Communications Physics</i> , 2020 , 3,	5.4	2
177	Electrically Pumped Microring Parity-Time-Symmetric Lasers. <i>Proceedings of the IEEE</i> , 2020 , 108, 827-836	14.3	7
176	Tilted-Pulse-Front Space-Time Wave Packets. <i>ACS Photonics</i> , 2019 , 6, 475-481	6.3	15
175	Experimental observation of a photonic hook. <i>Applied Physics Letters</i> , 2019 , 114, 031105	3.4	59
174	Transition between self-focusing and self-defocusing in a nonlocally nonlinear system. <i>Physical Review A</i> , 2019 , 99,	2.6	6
173	Sensing with Exceptional Surfaces in Order to Combine Sensitivity with Robustness. <i>Physical Review Letters</i> , 2019 , 122, 153902	7.4	61
172	Accelerated nonlinear interactions in graded-index multimode fibers. <i>Nature Communications</i> , 2019 , 10, 1638	17.4	36
171	Supersymmetric laser arrays. <i>Science</i> , 2019 , 363, 623-626	33.3	40
170	Thermodynamic theory of highly multimoded nonlinear optical systems. <i>Nature Photonics</i> , 2019 , 13, 776-782	33.9	21

169	Direct Generation of Tunable Orbital Angular Momentum Beams in Microring Lasers with Broadband Exceptional Points. <i>ACS Photonics</i> , 2019 , 6, 1895-1901	6.3	21
168	Asymmetric acoustic energy transport in non-Hermitian metamaterials. <i>Journal of the Acoustical Society of America</i> , 2019 , 146, 863	2.2	7
167	Robust propagation of pin-like optical beam through atmospheric turbulence. <i>APL Photonics</i> , 2019 , 4, 076103	5.2	19
166	Experimental Observation of PT Symmetry Breaking near Divergent Exceptional Points. <i>Physical Review Letters</i> , 2019 , 123, 193901	7.4	33
165	Thermodynamic conditions governing the optical temperature and chemical potential in nonlinear highly multimoded photonic systems. <i>Optics Letters</i> , 2019 , 44, 3936-3939	3	11
164	Airy beams and accelerating waves: an overview of recent advances. <i>Optica</i> , 2019 , 6, 686	8.6	164
163	Bosonic discrete supersymmetry for quasi-two-dimensional optical arrays. <i>Photonics Research</i> , 2019 , 7, 1240	6	3
162	2D Solitons in PT-Symmetric Photonic Lattices. <i>Physical Review Letters</i> , 2019 , 123, 253903	7.4	10
161	Non-Hermitian ring laser gyroscopes with enhanced Sagnac sensitivity. <i>Nature</i> , 2019 , 576, 70-74	50.4	72
160	Observation of twist-induced geometric phases and inhibition of optical tunneling via Aharonov-Bohm effects. <i>Science Advances</i> , 2019 , 5, eaau8135	14.3	4
159	A systematic analysis of parametric instabilities in nonlinear parabolic multimode fibers. <i>APL Photonics</i> , 2019 , 4, 022803	5.2	20
158	Power-law scaling of extreme dynamics near higher-order exceptional points. <i>Physical Review A</i> , 2018 , 97,	2.6	18
157	Topological insulator laser: Theory. <i>Science</i> , 2018 , 359,	33.3	397
156	Topological insulator laser: Experiments. <i>Science</i> , 2018 , 359,	33.3	558
155	Multimode Nonlinear Fiber Optics: Massively Parallel Numerical Solver, Tutorial, and Outlook. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2018 , 24, 1-16	3.8	66
154	Non-Hermitian physics and PT symmetry. <i>Nature Physics</i> , 2018 , 14, 11-19	16.2	820
153	Edge-Mode Lasing in 1D Topological Active Arrays. <i>Physical Review Letters</i> , 2018 , 120, 113901	7.4	257
152	Complex Edge-State Phase Transitions in 1D Topological Laser Arrays 2018 ,		4

151	Fluctuations and noise-limited sensing near the exceptional point of parity-time-symmetric resonator systems. <i>Optica</i> , 2018 , 5, 1342	8.6	46
150	Topological Insulator Laser 2018 ,		2
149	Winding around non-Hermitian singularities. <i>Nature Communications</i> , 2018 , 9, 4808	17.4	30
148	Unidirectional light emission in PT-symmetric microring lasers. <i>Optics Express</i> , 2018 , 26, 27153-27160	3.3	23
147	Tunable Orbital Angular Momentum Microring Laser 2018 ,		1
146	Controlling Disorder by Electric-Field-Directed Reconfiguration of Nanowires To Tune Random Lasing. <i>ACS Nano</i> , 2018 , 12, 7343-7351	16.7	8
145	Flying couplers above spinning resonators generate irreversible refraction. <i>Nature</i> , 2018 , 558, 569-572	50.4	86
144	Dynamically Encircling Exceptional Points: Exact Evolution and Polarization State Conversion. <i>Physical Review Letters</i> , 2017 , 118, 093002	7.4	135
143	Design of broadband anti-reflective metasurfaces based on an effective medium approach 2017 ,		1
142	Integrated multi-port circulators for unidirectional optical information transport. <i>Scientific Reports</i> , 2017 , 7, 2129	4.9	27
141	Spatiotemporal mode-locking in multimode fiber lasers. <i>Science</i> , 2017 , 358, 94-97	33.3	200
140	Topological Aharonov-Bohm suppression of optical tunneling in twisted nonlinear multicore fibers. <i>Physical Review A</i> , 2017 , 96,	2.6	3
139	Robustness and mode selectivity in parity-time (PT) symmetric lasers. <i>Scientific Reports</i> , 2017 , 7, 10756	4.9	10
138	Emergence of Type-II Dirac Points in Graphynelike Photonic Lattices. <i>Physical Review Letters</i> , 2017 , 119, 113901	7.4	32
137	Interferometric control of the photon-number distribution. <i>APL Photonics</i> , 2017 , 2, 071301	5.2	7
136	Enhanced sensitivity at higher-order exceptional points. <i>Nature</i> , 2017 , 548, 187-191	50.4	610
135	Chiral state conversion without encircling an exceptional point. <i>Physical Review A</i> , 2017 , 96,	2.6	35
134	Statistical parity-time-symmetric lasing in an optical fibre network. <i>Nature Communications</i> , 2017 , 8, 13597.4	7.4	20

133	Instant and efficient second-harmonic generation and downconversion in unprepared graded-index multimode fibers. <i>Optics Letters</i> , 2017 , 42, 3478-3481	3	11
132	Self-structuring of stable dissipative breathing vortex solitons in a colloidal nanosuspension. <i>Optics Express</i> , 2017 , 25, 10090-10102	3.3	11
131	Versatile supercontinuum generation in parabolic multimode optical fibers. <i>Optics Express</i> , 2017 , 25, 9078-9087	3.3	36
130	Self-organized instability in graded-index multimode fibres. <i>Nature Photonics</i> , 2016 , 10, 771-776	33.9	109
129	Observation of Parity-Time Symmetry in Optically Induced Atomic Lattices. <i>Physical Review Letters</i> , 2016 , 117, 123601	7.4	171
128	Twofold PT symmetry in doubly exponential optical lattices. <i>Physical Review A</i> , 2016 , 93,	2.6	9
127	Generalized Schrödinger cat states and their classical emulation. <i>Physical Review A</i> , 2016 , 93,	2.6	4
126	Integrable nonlinear parity-time-symmetric optical oscillator. <i>Physical Review E</i> , 2016 , 93, 042219	2.4	10
125	Dark-state lasers: mode management using exceptional points. <i>Optics Letters</i> , 2016 , 41, 3049-52	3	35
124	Implementation of quantum and classical discrete fractional Fourier transforms. <i>Nature Communications</i> , 2016 , 7, 11027	17.4	54
123	Passive PT-Symmetric Metasurfaces With Directional Field Scattering Characteristics. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 107-114	3.8	2
122	Supermodes in Coupled Multi-Core Waveguide Structures. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 196-207	3.8	34
121	Optical revivals in nonuniform supersymmetric photonic arrays. <i>Optics Letters</i> , 2016 , 41, 372-5	3	5
120	Design Considerations for Single-Mode Microring Lasers Using Parity-Time-Symmetry. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 1-7	3.8	4
119	Linear modulational stability analysis of Ginzburg-Landau dissipative vortices. <i>Optical and Quantum Electronics</i> , 2016 , 48, 1	2.4	2
118	Design Considerations for Single-Mode Microring Lasers Using Parity-Time-Symmetry. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 12-18	3.8	10
117	Dynamics of accelerating Bessel solutions of Maxwell's equations. <i>Journal of the Optical Society of America A: Optics and Image Science, and Vision</i> , 2016 , 33, 2047-2052	1.8	5
116	Single mode lasing in transversely multi-moded PT-symmetric microring resonators. <i>Laser and Photonics Reviews</i> , 2016 , 10, 494-499	8.3	66

115	PT symmetry in a fractional Schrödinger equation. <i>Laser and Photonics Reviews</i> , 2016 , 10, 526-531	8.3	97
114	Non-Hermitian engineering of single mode two dimensional laser arrays. <i>Scientific Reports</i> , 2016 , 6, 33253	4.9	30
113	Hanbury Brown and Twiss anticorrelation in disordered photonic lattices. <i>Physical Review A</i> , 2016 , 94,	2.6	4
112	Constant Intensity Supermodes in Non-Hermitian Lattices. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2016 , 22, 42-47	3.8	9
111	Guiding and nonlinear coupling of light in plasmonic nanosuspensions. <i>Optics Letters</i> , 2016 , 41, 3817-20	3	17
110	Kerr self-cleaning of femtosecond-pulsed beams in graded-index multimode fiber. <i>Optics Letters</i> , 2016 , 41, 3675-8	3	107
109	Laser-assisted guiding of electric discharges around objects. <i>Science Advances</i> , 2015 , 1, e1400111	14.3	84
108	Curved singular beams for three-dimensional particle manipulation. <i>Scientific Reports</i> , 2015 , 5, 12086	4.9	86
107	Observation of optical solitons in PT-symmetric lattices. <i>Nature Communications</i> , 2015 , 6, 7782	17.4	160
106	Constant-intensity waves and their modulation instability in non-Hermitian potentials. <i>Nature Communications</i> , 2015 , 6, 7257	17.4	78
105	Controllable spatiotemporal nonlinear effects in multimode fibres. <i>Nature Photonics</i> , 2015 , 9, 306-310	33.9	199
104	High-density waveguide superlattices with low crosstalk. <i>Nature Communications</i> , 2015 , 6, 7027	17.4	66
103	Spatiotemporal dynamics of multimode optical solitons. <i>Optics Express</i> , 2015 , 23, 3492-506	3.3	111
102	Supersymmetric laser arrays. <i>Physical Review A</i> , 2015 , 92,	2.6	40
101	Nonlinear reversal of the PT-symmetric phase transition in a system of coupled semiconductor microring resonators. <i>Physical Review A</i> , 2015 , 92,	2.6	66
100	Ultrabroadband Dispersive Radiation by Spatiotemporal Oscillation of Multimode Waves. <i>Physical Review Letters</i> , 2015 , 115, 223902	7.4	114
99	Observation of Bloch oscillations in complex PT-symmetric photonic lattices. <i>Scientific Reports</i> , 2015 , 5, 17760	4.9	64
98	Quantum optics as a tool for photonic lattice design. <i>Physica Scripta</i> , 2015 , 90, 068014	2.6	11

97	Implementation of Quantum and Classical Discrete Fractional Fourier Transforms 2015 ,		1
96	Supersymmetric mode converters. <i>Nature Communications</i> , 2014 , 5, 3698	17.4	93
95	Continuous and discrete Schrödinger systems with parity-time-symmetric nonlinearities. <i>Physical Review E</i> , 2014 , 89, 052918	2.4	95
94	Parity-time-symmetric microring lasers. <i>Science</i> , 2014 , 346, 975-8	33.3	854
93	Plasmonic resonant solitons in metallic nanosuspensions. <i>Nano Letters</i> , 2014 , 14, 2498-504	11.5	38
92	On-chip generation of high-order single-photon W-states. <i>Nature Photonics</i> , 2014 , 8, 791-795	33.9	78
91	Conductive coupling of split ring resonators: a path to THz metamaterials with ultrasharp resonances. <i>Physical Review Letters</i> , 2014 , 112, 183903	7.4	74
90	Airy plasmons: non-diffracting optical surface waves. <i>Laser and Photonics Reviews</i> , 2014 , 8, 221-232	8.3	46
89	SUSY-inspired one-dimensional transformation optics. <i>Optica</i> , 2014 , 1, 89	8.6	54
88	A squeeze-like operator approach to position-dependent mass in quantum mechanics. <i>Journal of Mathematical Physics</i> , 2014 , 55, 082103	1.2	4
87	Observation of supersymmetric scattering in photonic lattices. <i>Optics Letters</i> , 2014 , 39, 6130-3	3	27
86	Gain- or loss-induced localization in one-dimensional PT-symmetric tight-binding models. <i>Physical Review A</i> , 2014 , 89,	2.6	26
85	Light transport in PT-invariant photonic structures with hidden symmetries. <i>Physical Review A</i> , 2014 , 90,	2.6	44
84	Propagation and perfect transmission in three-waveguide axially varying couplers. <i>Physical Review A</i> , 2014 , 89,	2.6	11
83	PT symmetry in optics and photonics 2014 ,		3
82	Externally refuelled optical filaments. <i>Nature Photonics</i> , 2014 , 8, 297-301	33.9	81
81	Observation of asymmetric transport in structures with active nonlinearities. <i>Physical Review Letters</i> , 2013 , 110, 234101	7.4	208
80	PT-symmetric optical potentials in a coherent atomic medium. <i>Physical Review A</i> , 2013 , 88,	2.6	66

79	Optical diametric drive acceleration through action-reaction symmetry breaking. <i>Nature Physics</i> , 2013 , 9, 780-784	16.2	48
78	Optical nonlinearities and enhanced light transmission in soft-matter systems with tunable polarizabilities. <i>Physical Review Letters</i> , 2013 , 111, 218302	7.4	52
77	Anderson localization of light. <i>Nature Photonics</i> , 2013 , 7, 197-204	33.9	427
76	Supersymmetry-generated complex optical potentials with real spectra. <i>Physical Review A</i> , 2013 , 87,	2.6	85
75	Einstein-Podolsky-Rosen spatial entanglement in ordered and anderson photonic lattices. <i>Physical Review Letters</i> , 2013 , 110, 150503	7.4	56
74	Supersymmetric optical structures. <i>Physical Review Letters</i> , 2013 , 110, 233902	7.4	97
73	Coherent quantum transport in photonic lattices. <i>Physical Review A</i> , 2013 , 87,	2.6	103
72	Perfect transfer of path-entangled photons in Jx photonic lattices. <i>Physical Review A</i> , 2013 , 87,	2.6	36
71	Discrete-like diffraction dynamics in free space. <i>Optics Express</i> , 2013 , 21, 17951-60	3.3	12
70	Generating photon-encoded W states in multiport waveguide-array systems. <i>Physical Review A</i> , 2013 , 87,	2.6	35
69	On-chip non-reciprocal optical devices based on quantum inspired photonic lattices. <i>Applied Physics Letters</i> , 2013 , 103, 161105	3.4	34
68	Observation of self-accelerating Bessel-like optical beams along arbitrary trajectories. <i>Optics Letters</i> , 2013 , 38, 498-500	3	83
67	Fully vectorial accelerating diffraction-free Helmholtz beams. <i>Physical Review Letters</i> , 2012 , 109, 203902	7.4	115
66	Localized waves with spherical harmonic symmetries. <i>Physical Review A</i> , 2012 , 86,	2.6	6
65	Bragg solitons in nonlinear PT-symmetric periodic potentials. <i>Physical Review A</i> , 2012 , 86,	2.6	81
64	Fixed-point attractor for chirp in nonlinear waveguide arrays. <i>Physical Review A</i> , 2012 , 85,	2.6	3
63	Optical mesh lattices with PT symmetry. <i>Physical Review A</i> , 2012 , 86,	2.6	72
62	Optical spatial solitons: historical overview and recent advances. <i>Reports on Progress in Physics</i> , 2012 , 75, 086401	14.4	274

61	Local PT invariance and supersymmetric parametric oscillators. <i>Physical Review A</i> , 2012 , 86,	2.6	31
60	Parity-time synthetic photonic lattices. <i>Nature</i> , 2012 , 488, 167-71	50.4	1173
59	Exceptional-point dynamics in photonic honeycomb lattices with PT symmetry. <i>Physical Review A</i> , 2012 , 85,	2.6	74
58	PT-symmetric Talbot effects. <i>Physical Review Letters</i> , 2012 , 109, 033902	7.4	134
57	Anderson localization and colocalization of spatially entangled photons. <i>Physical Review A</i> , 2012 , 86,	2.6	27
56	Large area single-mode parity-time-symmetric laser amplifiers. <i>Optics Letters</i> , 2012 , 37, 764-6	3	110
55	Abruptly autofocusing and autodefocusing optical beams with arbitrary caustics. <i>Physical Review A</i> , 2012 , 85,	2.6	86
54	Tailoring the correlation and anticorrelation behavior of path-entangled photons in Glauber-Fock oscillator lattices. <i>Physical Review A</i> , 2012 , 85,	2.6	29
53	Self-accelerating self-trapped optical beams. <i>Physical Review Letters</i> , 2011 , 106, 213903	7.4	179
52	Unidirectional invisibility induced by PT-symmetric periodic structures. <i>Physical Review Letters</i> , 2011 , 106, 213901	7.4	1124
51	Anderson localization in optical waveguide arrays with off-diagonal coupling disorder. <i>Optics Express</i> , 2011 , 19, 13636-46	3.3	116
50	Causality effects on accelerating light pulses. <i>Optics Express</i> , 2011 , 19, 23132-9	3.3	46
49	Observation of abruptly autofocusing waves. <i>Optics Letters</i> , 2011 , 36, 1842-4	3	265
48	Trapping and guiding microparticles with morphing autofocusing Airy beams. <i>Optics Letters</i> , 2011 , 36, 2883-5	3	394
47	Optical diodes in nonlinear structures with parity-time symmetries 2011 ,		3
46	(\mathcal{PT})-Symmetric Periodic Optical Potentials. <i>International Journal of Theoretical Physics</i> , 2011 , 50, 1019-1041	1.1	128
45	All-optical routing and switching for three-dimensional photonic circuitry. <i>Scientific Reports</i> , 2011 , 1, 94	4.9	62
44	Hanbury Brown and Twiss correlations of Anderson localized waves. <i>Physical Review A</i> , 2011 , 84,	2.6	33

43	Discrete beam acceleration in uniform waveguide arrays. <i>Physical Review A</i> , 2011 , 84,	2.6	26
42	AiryBessel wave packets as versatile linear light bullets. <i>Nature Photonics</i> , 2010 , 4, 103-106	33.9	471
41	Observation of paritytime symmetry in optics. <i>Nature Physics</i> , 2010 , 6, 192-195	16.2	2161
40	Wave propagation in waveguide arrays with alternating positive and negative couplings. <i>Physical Review A</i> , 2010 , 81,	2.6	38
39	PT optical lattices and universality in beam dynamics. <i>Physical Review A</i> , 2010 , 82,	2.6	189
38	Airy plasmon: a nondiffracting surface wave. <i>Optics Letters</i> , 2010 , 35, 2082-4	3	203
37	Unidirectional nonlinear PT-symmetric optical structures. <i>Physical Review A</i> , 2010 , 82,	2.6	463
36	Introduction to Solitons in Photonic Lattices. <i>Springer Series in Optical Sciences</i> , 2010 , 73-99	0.5	2
35	Nonlinear waves in subwavelength waveguide arrays: evanescent bands and the "phoenix soliton". <i>Physical Review Letters</i> , 2009 , 102, 163902	7.4	16
34	Nonlinear optical response of colloidal suspensions. <i>Optics Express</i> , 2009 , 17, 10277-89	3.3	48
33	Observation of PT-symmetry breaking in complex optical potentials. <i>Physical Review Letters</i> , 2009 , 103, 093902	7.4	1670
32	Nonlinear optical dynamics in nonideal gases of interacting colloidal nanoparticles. <i>Physical Review A</i> , 2009 , 80,	2.6	26
31	Curved plasma channel generation using ultraintense Airy beams. <i>Science</i> , 2009 , 324, 229-32	33.3	608
30	Beam dynamics in PT symmetric optical lattices. <i>Physical Review Letters</i> , 2008 , 100, 103904	7.4	1363
29	Optical spatial solitons at the interface between two dissimilar periodic media: theory and experiment. <i>Optics Express</i> , 2008 , 16, 10480-92	3.3	24
28	Self-healing properties of optical Airy beams. <i>Optics Express</i> , 2008 , 16, 12880-91	3.3	647
27	Anderson localization and nonlinearity in one-dimensional disordered photonic lattices. <i>Physical Review Letters</i> , 2008 , 100, 013906	7.4	622
26	Optical solitons in PT periodic potentials. <i>Physical Review Letters</i> , 2008 , 100, 030402	7.4	947

25	Nonlocal surface-wave solitons. <i>Physical Review Letters</i> , 2007 , 98, 213901	7.4	131
24	Observation of accelerating Airy beams. <i>Physical Review Letters</i> , 2007 , 99, 213901	7.4	1418
23	OBSERVATION OF ONE- AND TWO-DIMENSIONAL DISCRETE SURFACE SPATIAL SOLITONS. <i>Journal of Nonlinear Optical Physics and Materials</i> , 2007 , 16, 401-426	0.8	27
22	Conical diffraction and gap solitons in honeycomb photonic lattices. <i>Physical Review Letters</i> , 2007 , 98, 103901	7.4	279
21	Two-dimensional discrete Ginzburg-Landau solitons. <i>Physical Review A</i> , 2007 , 76,	2.6	22
20	Observation of two-dimensional surface solitons. <i>Physical Review Letters</i> , 2007 , 98, 123903	7.4	129
19	Accelerating finite energy Airy beams. <i>Optics Letters</i> , 2007 , 32, 979-81	3	1158
18	Random-phase surface-wave solitons in nonlocal nonlinear media. <i>Optics Letters</i> , 2007 , 32, 2450-2	3	14
17	Theory of coupled optical PT-symmetric structures. <i>Optics Letters</i> , 2007 , 32, 2632-4	3	867
16	Power thresholds of families of discrete surface solitons. <i>Optics Letters</i> , 2007 , 32, 3098-100	3	22
15	Two-Dimensional Surface Lattice Solitons. <i>Optics and Photonics News</i> , 2007 , 18, 42	1.9	
14	Optical modes at the interface between two dissimilar discrete meta-materials. <i>Optics Express</i> , 2007 , 15, 4663-70	3.3	29
13	Soliton dynamics and self-induced transparency in nonlinear nanosuspensions. <i>Optics Express</i> , 2007 , 15, 10207-18	3.3	68
12	Discrete Spatial Surface Solitons at the Interface Between Dissimilar Arrays 2007 ,		1
11	Observation of discrete surface solitons. <i>Physical Review Letters</i> , 2006 , 96, 063901	7.4	210
10	Method of images in optical discrete systems. <i>Physical Review E</i> , 2006 , 73, 036616	2.4	24
9	LOCALIZED MODES IN A CIRCULAR ARRAY OF COUPLED NONLINEAR OPTICAL WAVEGUIDES. <i>International Journal of Bifurcation and Chaos in Applied Sciences and Engineering</i> , 2006 , 16, 1739-1752	2	11
8	Surface lattice solitons. <i>Optics Letters</i> , 2006 , 31, 2774-6	3	93

7	Observation of discrete quadratic surface solitons. <i>Optics Express</i> , 2006 , 14, 5508-16	3.3	63
6	Discrete surface solitons. <i>Optics Letters</i> , 2005 , 30, 2466-8	3	211
5	Experimental observation of discrete modulational instability. <i>Physical Review Letters</i> , 2004 , 92, 163902	7.4	102
4	Bessel X waves in two- and three-dimensional bidispersive optical systems. <i>Optics Letters</i> , 2004 , 29, 1446-8	5.8	60
3	Observation of two-dimensional discrete solitons in optically induced nonlinear photonic lattices. <i>Nature</i> , 2003 , 422, 147-50	50.4	1036
2	Discretizing light behaviour in linear and nonlinear waveguide lattices. <i>Nature</i> , 2003 , 424, 817-23	50.4	1157
1	Discrete self-focusing in nonlinear arrays of coupled waveguides. <i>Optics Letters</i> , 1988 , 13, 794-6	3	882