Konstantinos G Makris

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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.

73 papers	8,971 citations	30 h-index	94 g-index
99 ext. papers	11,046 ext. citations	5.4 avg, IF	6.25 L-index

#	Paper	IF	Citations
73	Observation of parity□time symmetry in optics. *Nature Physics*, **2010**, 6, 192-195	16.2	2161
72	Beam dynamics in PT symmetric optical lattices. *Physical Review Letters*, **2008**, 100, 103904	7.4	1363
71	Optical solitons in PT periodic potentials. *Physical Review Letters*, **2008**, 100, 030402	7.4	947
70	Theory of coupled optical PT-symmetric structures. *Optics Letters*, **2007**, 32, 2632-4	3	867
69	Non-Hermitian physics and PT symmetry. *Nature Physics*, **2018**, 14, 11-19	16.2	820
68	Topologically protected bound states in photonic parity-time-symmetric crystals. *Nature Materials*, **2017**, 16, 433-438	27	414
67	PT-symmetric optical lattices. *Physical Review A*, **2010**, 81,	2.6	243
66	Discrete surface solitons. *Optics Letters*, **2005**, 30, 2466-8	3	211
65	Observation of discrete surface solitons. *Physical Review Letters*, **2006**, 96, 063901	7.4	210
64	Observation of two-dimensional surface solitons. *Physical Review Letters*, **2007**, 98, 123903	7.4	129
63	(mathcal{PT})-Symmetric Periodic Optical Potentials. *International Journal of Theoretical Physics*, **2011**, 50, 1019-1041	1.1	128
62	Analytical solutions to a class of nonlinear Schr□dinger equations with {cal PT} -like potentials. *Journal of Physics A: Mathematical and Theoretical*, **2008**, 41, 244019	2	109
61	Surface lattice solitons. *Optics Letters*, **2006**, 31, 2774-6	3	93
60	Constant-intensity waves and their modulation instability in non-Hermitian potentials. *Nature Communications*, **2015**, 6, 7257	17.4	78
59	Experimental observation of Rabi oscillations in photonic lattices. *Physical Review Letters*, **2009**, 102, 123905	7.4	78
58	All-optical switching and multifrequency generation in a dual-core photonic crystal fiber. *Optics Letters*, **2006**, 31, 1480-2	3	69
57	Observation of discrete quadratic surface solitons. *Optics Express*, **2006**, 14, 5508-16	3.3	63

56	Breaking of PT Symmetry in Bounded and Unbounded Scattering Systems. *Physical Review X*, **2013**, 3,	9.1	53
55	Constant-pressure sound waves in non-Hermitian disordered media. *Nature Physics*, **2018**, 14, 942-947	16.2	50
54	${mathscr{P}}{mathscr{T}}$-symmetry breaking in the steady state of microscopic gain–loss systems. *New Journal of Physics*, **2016**, 18, 095003	2.9	47
53	Superoscillatory diffraction-free beams. *Optics Letters*, **2011**, 36, 4335-7	3	45
52	Experimental generation of arbitrarily shaped diffractionless superoscillatory optical beams. *Optics Express*, **2013**, 21, 13425-35	3.3	44
51	Nonparaxial abruptly autofocusing beams. *Optics Letters*, **2016**, 41, 1042-5	3	44
50	Optical transitions and Rabi oscillations in waveguide arrays. *Optics Express*, **2008**, 16, 10309-14	3.3	41
49	Wave propagation through disordered media without backscattering and intensity variations. *Light: Science and Applications*, **2017**, 6, e17035	16.7	39
48	Non-Hermitian disorder in two-dimensional optical lattices. *Physical Review B*, **2020**, 101,	3.3	38
47	Nonlinear tuning of PT symmetry and non-Hermitian topological states. *Science*, **2021**, 372, 72-76	33.3	38
46	Scalable numerical approach for the steady-state ab initio laser theory. *Physical Review A*, **2014**, 90,	2.6	35
45	Self-accelerating beams in photonic crystals. *Optics Express*, **2013**, 21, 8886-96	3.3	32
44	Local PT invariance and supersymmetric parametric oscillators. *Physical Review A*, **2012**, 86,	2.6	31
43	Scattering in PT- and RT-symmetric multimode waveguides: Generalized conservation laws and spontaneous symmetry breaking beyond one dimension. *Physical Review A*, **2015**, 92,	2.6	30
42	Optical modes at the interface between two dissimilar discrete meta-materials. *Optics Express*, **2007**, 15, 4663-70	3.3	29
41	OBSERVATION OF ONE- AND TWO-DIMENSIONAL DISCRETE SURFACE SPATIAL SOLITONS. *Journal of Nonlinear Optical Physics and Materials*, **2007**, 16, 401-426	0.8	27
40	Discrete beam acceleration in uniform waveguide arrays. *Physical Review A*, **2011**, 84,	2.6	26
39	Analysis of a three-core adiabatic directional coupler. *Optics Communications*, **2009**, 282, 4524-4526	2	24

38	Optical spatial solitons at the interface between two dissimilar periodic media: theory and experiment. *Optics Express*, **2008**, 16, 10480-92	3.3	24
37	Method of images in optical discrete systems. *Physical Review E*, **2006**, 73, 036616	2.4	24
36	Nonlocal incoherent spatial solitons in liquid crystals. *Journal of the Optical Society of America B: Optical Physics*, **2005**, 22, 1371	1.7	23
35	Power thresholds of families of discrete surface solitons. *Optics Letters*, **2007**, 32, 3098-100	3	22
34	Power-law scaling of extreme dynamics near higher-order exceptional points. *Physical Review A*, **2018**, 97,	2.6	18
33	Anomalous Transient Amplification of Waves in Non-normal Photonic Media. *Physical Review X*, **2014**, 4,	9.1	17
32	Tornado waves. *Optics Letters*, **2020**, 45, 280	3	15
31	Scattering-free pulse propagation through invisible non-Hermitian media. *Physical Review B*, **2019**, 99,	3.3	13
30	Solitons in dispersion-inverted AlGaAs nanowires. *Optics Express*, **2006**, 14, 2277-82	3.3	13
29	Accelerating diffraction-free beams in photonic lattices. *Optics Letters*, **2014**, 39, 2129-32	3	12
28	Introduction to non-Hermitian photonics in complex media: PT-symmetry and beyond. *Photonics Research*, **2018**, 6, PTS1	6	11
27	Thermodynamic conditions governing the optical temperature and chemical potential in nonlinear highly multimoded photonic systems. *Optics Letters*, **2019**, 44, 3936-3939	3	11
26	Huygens□resnel diffraction and evanescent waves. *Optics Communications*, **2011**, 284, 1686-1689	2	10
25	Twofold PT symmetry in doubly exponential optical lattices. *Physical Review A*, **2016**, 93,	2.6	9
24	Observation of accelerating Wannier-Stark beams in optically induced photonic lattices. *Optics Letters*, **2014**, 39, 1065-8	3	9
23	Statistical mechanics of weakly nonlinear optical multimode gases. *Optics Letters*, **2020**, 45, 1651-1654	3	9
22	Constant Intensity Supermodes in Non-Hermitian Lattices. *IEEE Journal of Selected Topics in Quantum Electronics*, **2016**, 22, 42-47	3.8	9
21	Scattering-free channels of invisibility across non-Hermitian media. *Optica*, **2020**, 7, 619	8.6	8

20	Transport and spectral features in non-Hermitian open systems. *Physical Review Research*, **2021**, 3,	3.9	8
19	Shape-preserving beam transmission through non-Hermitian disordered lattices. *Physical Review A*, **2020**, 102,	2.6	7
18	Dispersive non-Hermitian optical heterostructures. *Photonics Research*, **2018**, 6, A1	6	6
17	Modulational instability in a PT-symmetric vector nonlinear Schr□dinger system. *Physica D: Nonlinear Phenomena*, **2016**, 336, 53-61	3.3	6
16	Optical fluxes in coupled PT-symmetric photonic structures. *Physical Review A*, **2017**, 96,	2.6	5
15	Spectral method for efficient computation of time-dependent phenomena in complex lasers. *Physical Review A*, **2015**, 92,	2.6	5
14	Invariant superoscillatory electromagnetic fields in 3D-space. *Journal of Optics (United Kingdom)*, **2017**, 19, 014003	1.7	4
13	Equal-intensity waves in non-Hermitian media. *Physical Review E*, **2020**, 102, 032203	2.4	3
12	Non-Hermiticity-Governed Active Photonic Resonances. *Physical Review Letters*, **2021**, 126, 163901	7.4	3
11	Nonlinear scattering by non-Hermitian multilayers with saturation effects. *Physical Review E*, **2021**, 103, 052205	2.4	2
10	Improving the quality of filament-impaired images in Kerr media by statistical averaging. *Optics Express*, **2015**, 23, 431-44	3.3	1
9	Parity-time (PT) symmetric topological interface states **2015**,		1
8	Non-Hermitian focusing deep inside strongly disordered scattering media **2017**,		1
7	Wave control in non-Hermitian disordered media **2017**,		1
6	Intermixed Time-Dependent Self-Focusing and Defocusing Nonlinearities in Polymer Solutions.. *ACS Photonics*, **2022**, 9, 722-728	6.3	1
5	Transient growth and dissipative exceptional points.. *Physical Review E*, **2021**, 104, 054218	2.4	1
4	Thermalization of Light's Orbital Angular Momentum in Nonlinear Multimode Waveguide Systems.. *Physical Review Letters*, **2022**, 128, 123901	7.4	1
3	Transforming Space with Non-Hermitian Dielectrics.. *Physical Review Letters*, **2022**, 128, 183901	7.4	1

2	Constant-Intensity Waves in Non-Hermitian Media. *Springer Tracts in Modern Physics*, **2018**, 535-555	0.1	0
1	Light Confinement by Local Index Tailoring in Inhomogeneous Dielectrics. *Laser and Photonics Reviews*, **2021**, 15, 2100115	8.3	