Ramy El-Ganainy

List of Publications by Year
in descending order

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45 papers	9,129 citations	257450 24 h-index	330143 37 g-index
47 all docs	47 docs citations	47 times ranked	3962 citing authors

#	Article	IF	Citations
1	Quantum-inspired multicore optical fiber. Optics Letters, 2022, 47, 2526-2529.	3.3	0
2	On-chip non-Hermitian optical parametric amplifiers with a large bandwidth. Journal of the Optical Society of America B: Optical Physics, 2021, 38, 2160.	2.1	5
3	Direct Generation of Tunable Orbital Angular Momentum Beams in Microring Lasers with Broadband Exceptional Points. ACS Photonics, 2019, 6, 1895-1901.	6.6	44
4	Exceptional points enhance wireless readout. Nature Electronics, 2019, 2, 323-324.	26.0	19
5	Non-Hermitian engineering for brighter broadband pseudothermal light. Physical Review A, 2019, 100, .	2.5	4
6	Topological lattices lit at the corners. Nature Photonics, 2019, 13, 660-662.	31.4	4
7	Crossing exceptional points without phase transition. Scientific Reports, 2019, 9, 134.	3.3	6
8	Toward High-Performing Topological Edge-State Optical Isolators. Physical Review Applied, 2019, 11, .	3.8	17
9	The dawn of non-Hermitian optics. Communications Physics, 2019, 2, .	5.3	121
10	Supersymmetric laser arrays. Science, 2019, 363, 623-626.	12.6	78
11	Experimental Realization of Multiple Topological Edge States in a 1D Photonic Lattice. Laser and Photonics Reviews, 2019, 13, 1800202.	8.7	36
12	Supersymmetric Laser Arrays. , 2019, , .		0
13	Symmetry in optics and photonics: a group theory approach. Science Bulletin, 2018, 63, 244-251.	9.0	17
14	Non-Hermitian physics and PT symmetry. Nature Physics, 2018, 14, 11-19.	16.7	1,620
15	Topological hybrid silicon microlasers. Nature Communications, 2018, 9, 981.	12.8	345
16	Winding around non-Hermitian singularities. Nature Communications, 2018, 9, 4808.	12.8	65
17	Experimental Realization of Supersymmetric Laser. , 2018, , .		0
18	Generalized parityâ€“time symmetry condition for enhanced sensor telemetry. Nature Electronics, 2018, 1, 297-304.	26.0	186

#	Article	IF	Citations
19	Enhanced sensitivity at higher-order exceptional points. Nature, 2017, 548, 187-191.	27.8	1,115
20	Non-Hermitian photonics based on parityâ€“time symmetry. Nature Photonics, 2017, 11, 752-762.	31.4	917
21	Non-Hermitian engineering of single mode two dimensional laser arrays. Scientific Reports, 2016, 6, 33253.	3.3	45
22	Nonlinear modal interactions in parity-time (PT) symmetric lasers. Scientific Reports, 2016, 6, 24889.	3.3	81
23	Optical isolation in topological-edge-state photonic arrays. Optics Letters, 2015, 40, 5275.	3.3	32
24	Enhancing optical isolator performance in nonreciprocal waveguide arrays. Optics Letters, 2015, 40, 111.	3.3	5
25	Supersymmetric Laser Arrays. , 2015, , .		0
26	Observation of supersymmetric dynamics in photonic lattices. , 2014, , .		0
27	On-Chip Multi 4-Port Optical Circulators. IEEE Photonics Journal, 2014, 6, 1-8.	2.0	7
28	Supersymmetric mode converters. Nature Communications, 2014, 5, 3698.	12.8	143
29	Observation of accelerating Wannierâ€“Stark beams in optically induced photonic lattices. Optics Letters, 2014, 39, 1065.	3.3	12
30	Supersymmetric mode converters. , 2014, , .		2
31	Supersymmetric Optical Structures. Physical Review Letters, 2013, 110, 233902.	7.8	154
32	Shockwave based nonlinear optical manipulation in densely scattering opaque suspensions. Optics Express, 2013, 21, 23785.	3.4	27
33	Resonant dipoleâ€“dipole interaction in confined and strong-coupling dielectric geometries. New Journal of Physics, 2013, 15, 083033.	2.9	33
34	SUSY fibers for integrated optical angular momentum multiplexing. , 2013, , .		0
35	1D optical SUSY structures for selective mode filtering. , 2013, , .		0
36	Local<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="script">PT</mml:mi></mml:math>invariance and supersymmetric parametric oscillators. Physical Review A, 2012, 86, .	2.5	34

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37	Sculpturing of photonic crystals by ion beam lithography: towards complete photonic bandgap at visible wavelengths. Optics Express, 2011, 19, 5802.	3.4	45
38	Light-induced self-synchronizing flow patterns. New Journal of Physics, 2011, 13, 053021.	2.9	9
39	Discrete beam acceleration in uniform waveguide arrays. Physical Review A, 2011, 84, .	2.5	30
40	Observation of parityâ€“time symmetry in optics. Nature Physics, 2010, 6, 192-195.	16.7	2,860
41	Unidirectional nonlinear<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-symmetric optical structures. Physical Review A, 2010, 82, .	2.5	571
42	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="script">PT</mml:mi></mml:mrow></mml:math>-symmetric optical lattices. Physical Review A, 2010, 81, .	2.5	276
43	Nonlinear PT-Symmetric Optical Diode. , 2010, , .		1
44	Optical Control of Thermocapillary Effects in Complex Nanofluids. Physical Review Letters, 2009, 103, 264503.	7.8	24
45	Analytical solutions to a class of nonlinear SchrÃ¶dinger equations with {cal PT} -like potentials. Journal of Physics A: Mathematical and Theoretical, 2008, 41, 244019.	2.1	130