Liang Feng

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1597565/publications.pdf

Version: 2024-02-01

48 papers	7,574 citations	172457 29 h-index	302126 39 g-index
48 all docs	48 docs citations	48 times ranked	5522 citing authors

#	Article	IF	Citations
1	Single-mode laser by parity-time symmetry breaking. Science, 2014, 346, 972-975.	12.6	1,306
2	Experimental demonstration of a unidirectional reflectionless parity-time metamaterial at opticalÂfrequencies. Nature Materials, 2013, 12, 108-113.	27.5	1,190
3	Non-Hermitian photonics based on parityâ€“time symmetry. Nature Photonics, 2017, 11, 752-762.	31.4	917
4	Orbital angular momentum microlaser. Science, 2016, 353, 464-467.	12.6	509
5	Room-temperature subwavelength metallo-dielectric lasers. Nature Photonics, 2010, 4, 395-399.	31.4	464
6	Topological hybrid silicon microlasers. Nature Communications, 2018, 9, 981.	12.8	345
7	Lattice strain effects on the optical properties of MoS2 nanosheets. Scientific Reports, 2014, 4, 5649.	3.3	297
8	Non-Hermitian topological light steering. Science, 2019, 365, 1163-1166.	12.6	288
9	Lasing and anti-lasing in a single cavity. Nature Photonics, 2016, 10, 796-801.	31.4	276
10	Photonic topological insulator with broken time-reversal symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4924-4928.	7.1	193
11	Photonic zero mode in a non-Hermitian photonic lattice. Nature Communications, 2018, 9, 1308.	12.8	191
12	Tunable topological charge vortex microlaser. Science, 2020, 368, 760-763.	12.6	180
13	Demonstration of a large-scale optical exceptional point structure. Optics Express, 2014, 22, 1760.	3.4	134
14	Non-Hermitian photonics promises exceptional topology of light. Nature Communications, 2018, 9, 2674.	12.8	127
15	Low threshold gain metal coated laser nanoresonators. Optics Letters, 2008, 33, 1261.	3.3	125
16	Photocurrent detection of the orbital angular momentum of light. Science, 2020, 368, 763-767.	12.6	113
17	Repeatable and Reprogrammable Shape Morphing from Photoresponsive Gold Nanorod/Liquid Crystal Elastomers. Advanced Materials, 2020, 32, e2004270.	21.0	109
18	Surface phononic graphene. Nature Materials, 2016, 15, 1243-1247.	27.5	89

#	Article	IF	Citations
19	Adiabatic elimination-based coupling control in densely packed subwavelength waveguides. Nature Communications, 2015, 6, 7565.	12.8	74
20	PT-symmetric microring laser-absorber. Optics Letters, 2014, 39, 5026.	3.3	69
21	Unidirectional lasing in semiconductor microring lasers at an exceptional point [Invited]. Photonics Research, 2017, 5, B1.	7.0	56
22	Robust Light State by Quantum Phase Transition in Non-Hermitian Optical Materials. Scientific Reports, 2015, 5, 17022.	3.3	53
23	Supersymmetric microring laser arrays. Photonics Research, 2019, 7, 363.	7.0	53
24	Higher-dimensional supersymmetric microlaser arrays. Science, 2021, 372, 403-408.	12.6	51
25	Metawaveguide for Asymmetric Interferometric Light-Light Switching. Physical Review Letters, 2016, 117, 193901.	7.8	49
26	Acoustic asymmetric transmission based on time-dependent dynamical scattering. Scientific Reports, 2015, 5, 10880.	3.3	47
27	Exceptional point engineered glass slide for microscopic thermal mapping. Nature Communications, 2018, 9, 1764.	12.8	37
28	Experimental Realization of Multiple Topological Edge States in a 1D Photonic Lattice. Laser and Photonics Reviews, 2019, 13, 1800202.	8.7	36
29	Ultrafast control of fractional orbital angular momentum of microlaser emissions. Light: Science and Applications, 2020, 9, 179.	16.6	34
30	Topological multiband photonic superlattices. Physical Review A, 2018, 98, .	2.5	27
31	Supersymmetry-guided method for mode selection and optimization in coupled systems. Optics Letters, 2018, 43, 3758.	3.3	25
32	Near-infrared to ultra-violet frequency conversion in chalcogenide metasurfaces. Nature Communications, 2021, 12, 5833.	12.8	25
33	Supercharge optical arrays. Optics Letters, 2018, 43, 4927.	3.3	21
34	Elimination of Spatial Hole Burning in Microlasers for Stability and Efficiency Enhancement. ACS Photonics, 2018, 5, 3016-3022.	6.6	15
35	Optogenomic Interfaces: Bridging Biological Networks With the Electronic Digital World. Proceedings of the IEEE, 2019, 107, 1387-1401.	21.3	13
36	Non-Hermiticity-Governed Active Photonic Resonances. Physical Review Letters, 2021, 126, 163901.	7.8	13

#	Article	IF	Citations
37	Unidirectional Transmission Based on a Passive PT Symmetric Grating With a Nonlinear Silicon Distributed Bragg Reflector Cavity. IEEE Photonics Journal, 2014, 6, 1-7.	2.0	11
38	Non-Hermitian heterostructure for two-parameter sensing. Optics Letters, 2019, 44, 1626.	3.3	9
39	Ultrafast heterodyne mode imaging and refractive index mapping of a femtosecond laser written multimode waveguide. Optics Letters, 2022, 47, 214.	3.3	2
40	Integrated Photonics at Exceptional Points. , 2016, , .		1
41	Parity-time optical metamaterials. , 2015, , .		0
42	Parity-time optical metamaterials. , 2015, , .		0
43	Integrated photonics engineered around exceptional points. , 2016, , .		0
44	Vortex microlaser with ultrafast tunability. , 2021, , .		0
45	Exploring Integrated Photonics with Symmetry and Topology. , 2020, , .		0
46	Supersymmetric Microlaser Arrays in Two Dimensions and Beyond. , 2021, , .		0
47	Orbital angular momentum microlaser: from the first demonstration to tunability. , 2020, , .		0
48	Symmetry-Enabled New Microlasers. , 2021, , .		0