Kun Ding

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2483430/publications.pdf

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43	1,385	567144 15	330025 37
papers	citations	h-index	g-index

43	43	43	1440
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Emergence, Coalescence, and Topological Properties of Multiple Exceptional Points and Their Experimental Realization. Physical Review X, 2016, 6, .	2.8	263
2	Widely Tunable Terahertz Phase Modulation with Gate-Controlled Graphene Metasurfaces. Physical Review X, 2015, 5, .	2.8	173
3	Coalescence of exceptional points and phase diagrams for one-dimensional<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="script">P</mml:mi><mml:mi mathvariant="script">T</mml:mi></mml:mrow></mml:math>-symmetric photonic crystals. Physical Review B, 2015, 92, .	1.1	125
4	Experimental Observation of an Exceptional Surface in Synthetic Dimensions with Magnon Polaritons. Physical Review Letters, 2019, 123, 237202.	2.9	112
5	Exceptional nexus with a hybrid topological invariant. Science, 2020, 370, 1077-1080.	6.0	104
6	Realization of optical pulling forces using chirality. Physical Review A, 2014, 89, .	1.0	91
7	Experimental Demonstration of an Anisotropic Exceptional Point. Physical Review Letters, 2018, 121, 085702.	2.9	80
8	Negative Optical Torque. Scientific Reports, 2014, 4, 6386.	1.6	51
9	Simultaneous realization of a coherent perfect absorber and laser by zero-index media with both gain and loss. Physical Review A, 2016, 94, .	1.0	51
10	Tailoring Optical Gradient Force and Optical Scattering and Absorption Force. Scientific Reports, 2017, 7, 18042.	1.6	51
11	Direct Measurement of Topological Properties of an Exceptional Parabola. Physical Review Letters, 2021, 127, 034301.	2.9	22
12	Exceptional points make an astroid in non-Hermitian Lieb lattice: Evolution and topological protection. Physical Review B, 2020, 102, .	1.1	22
13	Angle-Resolved Thermal Emission Spectroscopy Characterization of Non-Hermitian Metacrystals. Physical Review Applied, 2020, 13, .	1.5	19
14	Plasmonic modes of polygonal rods calculated using a quantum hydrodynamics method. Physical Review B, 2017, 96, .	1.1	17
15	Machine Prediction of Topological Transitions in Photonic Crystals. Physical Review Applied, 2020, 14, .	1.5	17
16	Effect of graphene on photoluminescence properties of graphene/GeSi quantum dot hybrid structures. Applied Physics Letters, 2014, 105, 021104.	1.5	16
17	Exceptional cones in 4D parameter space. Optics Express, 2020, 28, 1758.	1.7	16
18	Experimental realization of non-Abelian permutations in a three-state non-Hermitian system. National Science Review, 2022, 9, .	4.6	15

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19	Geometry-dependent skin effects in reciprocal photonic crystals. Nanophotonics, 2022, 11, 3447-3456.	2.9	14
20	Realization of complex conjugate media using non-PT-symmetric photonic crystals. Nanophotonics, 2020, 9, 195-203.	2.9	13
21	Realization of photonic charge-2 Dirac point by engineering super-modes in topological superlattices. Communications Physics, 2020, 3, .	2.0	13
22	Exceptional points and their coalescence of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="script">PT</mml:mi></mml:math>-symmetric interface states in photonic crystals. Physical Review B, 2019, 100, .	1.1	12
23	Equivalent-medium theory for metamaterials made by planar electronic materials. Europhysics Letters, 2013, 102, 28005.	0.7	11
24	Optical forces, torques, and force densities calculated at a microscopic level using a self-consistent hydrodynamics method. Physical Review B, 2018, 97, .	1.1	8
25	Computing one-dimensional metasurfaces. Physical Review B, 2019, 99, .	1.1	8
26	Continuous topological transition from metal to dielectric. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 16739-16742.	3.3	8
27	A chirality switching device designed with transformation optics. Optics Express, 2010, 18, 21419.	1.7	7
28	New frontiers in metamaterials research: Novel electronic materials and inhomogeneous metasurfaces. Frontiers of Physics, 2013, 8, 386-393.	2.4	7
29	An eigenvalue approach to quantum plasmonics based on a self-consistent hydrodynamics method. Journal of Physics Condensed Matter, 2018, 30, 084007.	0.7	7
30	ÄŒerenkov radiation in vacuum from a superluminal grating. Physical Review Research, 2022, 4, .	1.3	7
31	Calculating spatiotemporally modulated surfaces: A dynamical differential formalism. Physical Review A, 2021, 104, .	1.0	6
32	Plasmon Localization Assisted by Conformal Symmetry. ACS Photonics, 2020, 7, 951-958.	3.2	3
33	Revealing topology with transformation optics. Nature Communications, 2021, 12, 6887.	5.8	3
34	Transformation optics approach to mesoscopic plasmonics. Physical Review B, 2022, 105, .	1.1	3
35	Nanocorrugation-Induced Forces between Electrically Neutral Metallic Objects. ACS Nano, 2018, 12, 804-812.	7.3	2
36	Prediction of Topological Invariants in Photonic Crystals Using Machine Learning. , 2019, , .		2

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37	Shrinking the surface plasmon. Nanophotonics, 2020, 10, 545-548.	2.9	2
38	Bifurcations in the optimal elastic foundation for a buckling column. Physics Letters, Section A: General, Atomic and Solid State Physics, 2010, 375, 67-72.	0.9	1
39	Repulsive forces between neutral surfaces induced by adatoms. Physical Review B, 2018, 98, .	1.1	1
40	Casimir-Induced Instabilities at Metallic Surfaces and Interfaces. Physical Review Letters, 2021, 126, 046802.	2.9	1
41	Electron Spill-Out Effect in Singular Metasurfaces. Photonics, 2021, 8, 154.	0.9	1
42	Directional emissions achieved with anomalous reflection phases of metamaterials. Journal of Applied Physics, 2010, 107, 023109.	1.1	0
43	A theoretical study on graphene-based metamaterials. , 2012, , .		0