

Observation of bulk Fermi arc and polarization half ch

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Fermi arcs connect topological degeneracies. <i>Science</i> , 2018, 359, 995-996. | 6.0 | 10 |
| 2 | Non-Hermitian Floquet topological phases with arbitrarily many real-quasienergy edge states. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 97 |
| 3 | Non-Hermitian Kondo Effect in Ultracold Alkaline-Earth Atoms. <i>Physical Review Letters</i> , 2018, 121, 203001. | 2.9 | 109 |
| 4 | Hall conductance of a non-Hermitian Chern insulator. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 92 |
| 5 | Locating Exceptional Points on Multidimensional Complex-Valued Potential Energy Surfaces. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 6978-6984. | 2.1 | 26 |
| 6 | Classification of magnetic frustration and metamaterials from topology. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 17 |
| 7 | Non-Hermitian Chern Bands. <i>Physical Review Letters</i> , 2018, 121, 136802. | 2.9 | 593 |
| 8 | Topological Phases of Non-Hermitian Systems. <i>Physical Review X</i> , 2018, 8, . | 2.8 | 792 |
| 9 | Exceptional links and twisted Fermi ribbons in non-Hermitian systems. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 120 |
| 10 | Topological states of non-Hermitian systems. <i>European Physical Journal: Special Topics</i> , 2018, 227, 1295-1308. | 1.2 | 210 |
| 11 | Anomalous helical edge states in a non-Hermitian Chern insulator. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 156 |
| 12 | Loss of Hall conductivity quantization in a non-Hermitian quantum anomalous Hall insulator. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 53 |
| 13 | Bulk and edge-state arcs in non-Hermitian coupled-resonator arrays. <i>Physical Review A</i> , 2018, 98, . | 1.0 | 34 |
| 14 | Topological symmetry classes for non-Hermitian models and connections to the bosonic Bogoliubov-de Gennes equation. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 85 |
| 15 | Simultaneous Observation of a Topological Edge State and Exceptional Point in an Open and Non-Hermitian Acoustic System. <i>Physical Review Letters</i> , 2018, 121, 124501. | 2.9 | 168 |
| 16 | Condition for the emergence of a bulk Fermi arc in disordered Dirac-fermion systems. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 14 |
| 17 | Discovery of coexisting Dirac and triply degenerate magnons in a three-dimensional antiferromagnet. <i>Nature Communications</i> , 2018, 9, 2591. | 5.8 | 62 |
| 18 | Non-Hermitian photonics promises exceptional topology of light. <i>Nature Communications</i> , 2018, 9, 2674. | 5.8 | 127 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Optomechanically Induced Transparency at Exceptional Points. <i>Physical Review Applied</i> , 2018, 10, . | 1.5 | 99 |
| 20 | Parity-time-symmetric topological superconductor. <i>Physical Review B</i> , 2018, 98, . | 1.1 | 132 |
| 21 | Experimental Demonstration of an Anisotropic Exceptional Point. <i>Physical Review Letters</i> , 2018, 121, 085702. | 2.9 | 80 |
| 22 | Edge States and Topological Invariants of Non-Hermitian Systems. <i>Physical Review Letters</i> , 2018, 121, 086803. | 2.9 | 1,148 |
| 23 | Exceptional points of resonant states on a periodic slab. <i>Physical Review A</i> , 2018, 97, . | 1.0 | 15 |
| 24 | Tuning Topology of Photonic Systems with Transparent Conducting Oxides. <i>ACS Photonics</i> , 2019, 6, 1922-1930. | 3.2 | 13 |
| 25 | Engineering tunable local loss in a synthetic lattice of momentum states. <i>New Journal of Physics</i> , 2019, 21, 045006. | 1.2 | 52 |
| 26 | Non-Bloch Band Theory of Non-Hermitian Systems. <i>Physical Review Letters</i> , 2019, 123, 066404. | 2.9 | 533 |
| 27 | Topology and observables of the non-Hermitian Chern insulator. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 43 |
| 28 | Classification of Exceptional Points and Non-Hermitian Topological Semimetals. <i>Physical Review Letters</i> , 2019, 123, 066405. | 2.9 | 244 |
| 29 | Higher-Order Topological Corner States Induced by Gain and Loss. <i>Physical Review Letters</i> , 2019, 123, 073601. | 2.9 | 197 |
| 30 | Non-Hermitian Majorana modes protect degenerate steady states. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 29 |
| 31 | Topological phase transition independent of system non-Hermiticity. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 42 |
| 32 | Topological band theory for non-Hermitian systems from the Dirac equation. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 50 |
| 33 | Non-Bloch topological invariants in a non-Hermitian domain wall system. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 123 |
| 34 | Bound States in the Continuum through Environmental Design. <i>Physical Review Letters</i> , 2019, 123, 023902. | 2.9 | 48 |
| 35 | Inversion symmetric non-Hermitian Chern insulator. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 29 |
| 36 | Topological phases of a non-Hermitian coupled SSH ladder*. <i>Chinese Physics B</i> , 2019, 28, 100304. | 0.7 | 9 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Sensitivity of parameter estimation near the exceptional point of a non-Hermitian system. <i>New Journal of Physics</i> , 2019, 21, 083002. | 1.2 | 84 |
| 38 | Generalized bulk-edge correspondence for non-Hermitian topological systems. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 96 |
| 39 | Topological Correspondence between Hermitian and Non-Hermitian Systems: Anomalous Dynamics. <i>Physical Review Letters</i> , 2019, 123, 206404. | 2.9 | 113 |
| 40 | Hidden Chern number in one-dimensional non-Hermitian chiral-symmetric systems. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 27 |
| 41 | Non-Hermitian Skin Effect and Chiral Damping in Open Quantum Systems. <i>Physical Review Letters</i> , 2019, 123, 170401. | 2.9 | 328 |
| 42 | Non-hermitian topology as a unifying framework for the Andreev versus Majorana states controversy. <i>Communications Physics</i> , 2019, 2, . | 2.0 | 96 |
| 43 | Chiral-symmetry protected exceptional torus in correlated nodal-line semimetals. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 48 |
| 44 | Exceptional concentric rings in a non-Hermitian bilayer photonic system. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 18 |
| 45 | Symmetry and Topology in Non-Hermitian Physics. <i>Physical Review X</i> , 2019, 9, . | 2.8 | 683 |
| 46 | Exceptional rings protected by emergent symmetry for mechanical systems. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 90 |
| 47 | Non-Hermitian Many-Body Localization. <i>Physical Review Letters</i> , 2019, 123, 090603. | 2.9 | 166 |
| 48 | Topological Phase Transition Driven by Infinitesimal Instability: Majorana Fermions in Non-Hermitian Spintronics. <i>Physical Review Letters</i> , 2019, 123, 097701. | 2.9 | 95 |
| 49 | Non-Hermitian topological light steering. <i>Science</i> , 2019, 365, 1163-1166. | 6.0 | 288 |
| 50 | Floquet Chern insulators of light. <i>Nature Communications</i> , 2019, 10, 4194. | 5.8 | 49 |
| 51 | Theory of Non-Hermitian Fermionic Superfluidity with a Complex-Valued Interaction. <i>Physical Review Letters</i> , 2019, 123, 123601. | 2.9 | 147 |
| 52 | Circularly Polarized States Spawning from Bound States in the Continuum. <i>Physical Review Letters</i> , 2019, 123, 116104. | 2.9 | 165 |
| 53 | Non-Hermitian topology of spontaneous magnon decay. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 61 |
| 54 | Controlling photonic spin Hall effect via exceptional points. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 55 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 55 | Disorder-driven exceptional lines and Fermi ribbons in tilted nodal-line semimetals. Physical Review B, 2019, 99, . | 1.1 | 80 |
| 56 | Bulk-boundary correspondence in a non-Hermitian system in one dimension with chiral inversion symmetry. Physical Review B, 2019, 99, . | 1.1 | 279 |
| 57 | Topological unification of time-reversal and particle-hole symmetries in non-Hermitian physics. Nature Communications, 2019, 10, 297. | 5.8 | 206 |
| 58 | Topological exceptional surfaces in non-Hermitian systems with parity-time and parity-particle-hole symmetries. Physical Review B, 2019, 99, . | 1.1 | 171 |
| 59 | Symmetry-protected nodal phases in non-Hermitian systems. Physical Review B, 2019, 99, . | 1.1 | 183 |
| 60 | Calculated magnetic exchange interactions in the Dirac magnon material $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{Cu} \langle \text{mml:mi} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mn} 13 \langle \text{mml:mn} 20 \rangle \rangle \rangle \rangle \rangle \rangle \rangle$ Physical Review B, 2019, 99, . | 1.1 | 22 |
| 61 | Experimental realization of a Weyl exceptional ring. Nature Photonics, 2019, 13, 623-628. | 15.6 | 234 |
| 62 | Topology and exceptional points of massive Dirac models with generic non-Hermitian perturbations. Physical Review B, 2019, 99, . | 1.1 | 38 |
| 63 | Non-Hermitian dynamics without dissipation in quantum systems. Physical Review A, 2019, 99, . | 1.0 | 49 |
| 64 | Periodic table for topological bands with non-Hermitian symmetries. Physical Review B, 2019, 99, . | 1.1 | 283 |
| 65 | Anisotropic exceptional points of arbitrary order. Physical Review B, 2019, 99, . | 1.1 | 32 |
| 66 | Borrmann effect in Laue diffraction in one-dimensional photonic crystals under a topological phase transition. Physical Review B, 2019, 99, . | 1.1 | 5 |
| 67 | Topological Phase Transition in non-Hermitian Quasicrystals. Physical Review Letters, 2019, 122, 237601. | 2.9 | 253 |
| 68 | Indirect link between resonant and guided modes on uniform and periodic slabs. Physical Review A, 2019, 99, . | 1.0 | 10 |
| 69 | Robust exceptional points in disordered systems. Europhysics Letters, 2019, 126, 17002. | 0.7 | 20 |
| 70 | Topological Axion States in the Magnetic Insulator $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mi} \text{MnBi} \langle \text{mml:mi} \rangle \rangle \langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mn} 2 \langle \text{mml:mn} 554 \rangle \rangle \rangle \rangle \rangle \rangle$ with the Quantized Magnetoelectric Effect. Physical Review Letters, 2019, 122, 206401. | 2.9 | 554 |
| 71 | Observing vortex polarization singularities at optical band degeneracies. Physical Review B, 2019, 99, . | 1.1 | 31 |
| 72 | Topological gapless matters in three-dimensional ultracold atomic gases. Frontiers of Physics, 2019, 14, 1. | 2.4 | 21 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Knotted non-Hermitian metals. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 93 |
| 74 | Disorder-induced exceptional points and nodal lines in Dirac superconductors. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 37 |
| 75 | Symmetry protected topological phases characterized by isolated exceptional points. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 45 |
| 76 | New topological invariants in non-Hermitian systems. <i>Journal of Physics Condensed Matter</i> , 2019, 31, 263001. | 0.7 | 241 |
| 77 | Topological photonics. <i>Reviews of Modern Physics</i> , 2019, 91, . | 16.4 | 2,190 |
| 78 | Perfectly Absorbing Exceptional Points and Chiral Absorbers. <i>Physical Review Letters</i> , 2019, 122, 093901. | 2.9 | 101 |
| 79 | Photonic topological phase transition on demand. <i>Nanophotonics</i> , 2019, 8, 1349-1356. | 2.9 | 17 |
| 80 | From Singleâ€Dimensional to Multidimensional Manipulation of Optical Waves with Metasurfaces. <i>Advanced Materials</i> , 2019, 31, e1802458. | 11.1 | 127 |
| 81 | The nontrivial topological phases of a one-dimensional non-Hermitian dimerized lattice with spin-orbit coupling and Zeeman field. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2019, 110, 68-73. | 1.3 | 4 |
| 82 | Non-Hermitian extensions of higher-order topological phases and their biorthogonal bulk-boundary correspondence. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 181 |
| 83 | Second-Order Topological Phases in Non-Hermitian Systems. <i>Physical Review Letters</i> , 2019, 122, 076801. | 2.9 | 332 |
| 84 | Non-Hermitian nodal-line semimetals with an anomalous bulk-boundary correspondence. <i>Physical Review B</i> , 2019, 99, . | 1.1 | 118 |
| 85 | Non-Hermitian defect states from lifetime differences. <i>Physical Review A</i> , 2019, 100, . | 1.0 | 8 |
| 86 | Photonic emulation of two-dimensional materials with antiferromagnetic order. <i>Physical Review B</i> , 2019, 100, . | 1.1 | 2 |
| 87 | Parityâ€Time Symmetry in Nonâ€Hermitian Complex Optical Media. <i>Advanced Materials</i> , 2020, 32, e1903639. | 11.1 | 68 |
| 88 | Topologically enabled ultrahigh-Q guided resonances robust to out-of-plane scattering. <i>Nature</i> , 2019, 574, 501-504. | 13.7 | 355 |
| 89 | Experimental Observation of an Exceptional Surface in Synthetic Dimensions with Magnon Polaritons. <i>Physical Review Letters</i> , 2019, 123, 237202. | 2.9 | 112 |
| 90 | Constraints on the energy spectrum of non-Hermitian models in open environments. <i>European Physical Journal B</i> , 2019, 92, 1. | 0.6 | 1 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 91 | Non-Hermitian Topological Invariants in Real Space. Physical Review Letters, 2019, 123, 246801. | 2.9 | 274 |
| 92 | $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric non-Hermitian Dirac semimetals. Physical Review B, 2019, 100, . | 1.1 | 44 |
| 93 | Perspective on topological states of non-Hermitian lattices. JPhys Materials, 2020, 3, 014002. | 1.8 | 101 |
| 94 | Lattice Resonances in Optical Metasurfaces With Gain and Loss. Proceedings of the IEEE, 2020, 108, 795-818. | 16.4 | 31 |
| 95 | Exceptional band touching for strongly correlated systems in equilibrium. Progress of Theoretical and Experimental Physics, 2020, 2020, . | 1.8 | 38 |
| 96 | Generalized Bloch band theory for non-Hermitian bulkâ€“boundary correspondence. Progress of Theoretical and Experimental Physics, 2020, 2020, . | 1.8 | 16 |
| 97 | Nanoscatteerer-mediated frequency combs in cavity optomagnonics. Physical Review A, 2020, 102, . | 1.0 | 15 |
| 98 | Recent advances in 2D, 3D and higher-order topological photonics. Light: Science and Applications, 2020, 9, 130. | 7.7 | 254 |
| 99 | Topological Insulator Antenna Arrays. ACS Photonics, 2020, 7, 2244-2251. | 3.2 | 19 |
| 100 | Topological charge of finite-size photonic crystal modes. Physical Review B, 2020, 102, . | 1.1 | 10 |
| 101 | Exceptional non-Hermitian topological edge mode and its application to active matter. Nature Communications, 2020, 11, 5745. | 5.8 | 37 |
| 102 | Exceptional nexus with a hybrid topological invariant. Science, 2020, 370, 1077-1080. | 6.0 | 104 |
| 103 | Generation and Annihilation of Topologically Protected Bound States in the Continuum and Circularly Polarized States by Symmetry Breaking. Physical Review Letters, 2020, 125, 053902. | 2.9 | 93 |
| 104 | One-dimensional one-band topologically nontrivial non-Hermitian system simulated in optical cavities. Physical Review A, 2020, 102, . | 1.0 | 3 |
| 105 | Double exceptional links in a three-dimensional dissipative cold atomic gas. Physical Review A, 2020, 102, . | 1.0 | 17 |
| 106 | Non-Hermitian Topological Sensors. Physical Review Letters, 2020, 125, 180403. | 2.9 | 157 |
| 107 | Non-Hermitian Skin Modes Induced by On-Site Dissipations and Chiral Tunneling Effect. Physical Review Letters, 2020, 125, 186802. | 2.9 | 163 |
| 108 | Energy Band Attraction Effect in Non-Hermitian Systems. Physical Review Letters, 2020, 125, 137703. | 2.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Maximal Shannon entropy in the vicinity of an exceptional point in an open microcavity. Scientific Reports, 2020, 10, 12551. | 1.6 | 6 |
| 110 | Exceptional points and dynamics of a non-Hermitian two-level system without PT symmetry. Europhysics Letters, 2020, 131, 34001. | 0.7 | 6 |
| 111 | Correspondence between Winding Numbers and Skin Modes in Non-Hermitian Systems. Physical Review Letters, 2020, 125, 126402. | 2.9 | 428 |
| 112 | Simultaneous Generation of Arbitrary Assembly of Polarization States with Geometrical-Scaling-Induced Phase Modulation. Physical Review X, 2020, 10, . | 2.8 | 27 |
| 113 | Renormalization group approach to non-Hermitian topological quantum criticality. Physical Review B, 2020, 102, . | 1.1 | 7 |
| 114 | Floquet engineering and simulating exceptional rings with a quantum spin system. Physical Review A, 2020, 102, . | 1.0 | 15 |
| 115 | Higher-order non-Hermitian skin effect. Physical Review B, 2020, 102, . | 1.1 | 161 |
| 116 | Theory of reflectionless scattering modes. Physical Review A, 2020, 102, . | 1.0 | 47 |
| 117 | Non-Abelian topology of nodal-line rings in PT -symmetric systems. Physical Review B, 2020, 101, . | 1.1 | 54 |
| 118 | Observation of topological edge states induced solely by non-Hermiticity in an acoustic crystal. Physical Review B, 2020, 101, . | 1.1 | 58 |
| 119 | Non-Hermitian linear response theory. Nature Physics, 2020, 16, 767-771. | 6.5 | 62 |
| 120 | Antichiral one-way edge states in a gyromagnetic photonic crystal. Physical Review B, 2020, 101, . | 1.1 | 36 |
| 121 | Homotopy characterization of non-Hermitian Hamiltonians. Physical Review B, 2020, 101, . | 1.1 | 86 |
| 122 | Non-Bloch band theory of non-Hermitian Hamiltonians in the symplectic class. Physical Review B, 2020, 101, . | 1.1 | 100 |
| 123 | Non-Hermitian Dirac Cones. Physical Review Letters, 2020, 124, 236403. | 2.9 | 61 |
| 124 | Skin superfluid, topological Mott insulators, and asymmetric dynamics in an interacting non-Hermitian Aubry-Andr -Harper model. Physical Review B, 2020, 101, . | 1.1 | 69 |
| 125 | Topological Field Theory Far from Equilibrium. Physical Review Letters, 2020, 124, 240404. | 2.9 | 27 |
| 126 | Topological Anderson insulators in two-dimensional non-Hermitian disordered systems. Physical Review A, 2020, 101, . | 1.0 | 41 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Non-Hermitian bulk–boundary correspondence in quantum dynamics. <i>Nature Physics</i> , 2020, 16, 761-766. | 6.5 | 491 |
| 128 | Many-body approach to non-Hermitian physics in fermionic systems. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 66 |
| 129 | Topological phases in one-dimensional nonreciprocal superlattices. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 32 |
| 130 | Photonic topological fermi nodal disk in non-Hermitian magnetic plasma. <i>Light: Science and Applications</i> , 2020, 9, 40. | 7.7 | 12 |
| 131 | Dynamics and topology of non-Hermitian elastic lattices with non-local feedback control interactions. <i>New Journal of Physics</i> , 2020, 22, 053004. | 1.2 | 65 |
| 132 | Defective edge states and number-anomalous bulk-boundary correspondence in non-Hermitian topological systems. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 65 |
| 133 | Symmetry-protected topological phase for spin-tensor-momentum-coupled ultracold atoms. <i>Physical Review A</i> , 2020, 102, . | 1.0 | 6 |
| 134 | Non-Hermitian scattering on a tight-binding lattice. <i>Physical Review A</i> , 2020, 102, . | 1.0 | 17 |
| 135 | Non-Hermitian Floquet topological phases: Exceptional points, coalescent edge modes, and the skin effect. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 67 |
| 136 | Non-Hermitian Boundary Modes and Topology. <i>Physical Review Letters</i> , 2020, 124, 056802. | 2.9 | 474 |
| 137 | Hybrid exceptional point created from type-III Dirac point. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 33 |
| 138 | Topological Origin of Non-Hermitian Skin Effects. <i>Physical Review Letters</i> , 2020, 124, 086801. | 2.9 | 597 |
| 139 | Vector Exceptional Points with Strong Superchiral Fields. <i>Physical Review Letters</i> , 2020, 124, 083901. | 2.9 | 32 |
| 140 | Angle-Resolved Thermal Emission Spectroscopy Characterization of Non-Hermitian Metacrystals. <i>Physical Review Applied</i> , 2020, 13, . | 1.5 | 19 |
| 141 | Fate of zero modes in a finite Su-Schrieffer-Heeger model with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetry. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 25 |
| 142 | Topological phases in non-Hermitian Aubry-Andr -Harper models. <i>Physical Review B</i> , 2020, 101, . | 1.1 | 127 |
| 143 | Non-Hermitian Exceptional Landau Quantization in Electric Circuits. <i>Physical Review Letters</i> , 2020, 124, 046401. | 2.9 | 63 |
| 144 | Non-Hermitian topological Anderson insulators. <i>Science China: Physics, Mechanics and Astronomy</i> , 2020, 63, 1. | 2.0 | 75 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 145 | Universal Design Platform for an Extended Class of Photonic Dirac Cones. <i>Physical Review Applied</i> , 2020, 13, . | 1.5 | 12 |
| 146 | Generalized Berry phase for a bosonic Bogoliubov system with exceptional points. <i>Physical Review A</i> , 2020, 101, . | 1.0 | 16 |
| 147 | Observation of topologically enabled unidirectional guided resonances. <i>Nature</i> , 2020, 580, 467-471. | 13.7 | 184 |
| 148 | Diffractional metalens: from fundamentals, practical applications to current trends. <i>Advances in Physics: X</i> , 2020, 5, 1742584. | 1.5 | 22 |
| 149 | Bulk-boundary correspondence in non-Hermitian systems: stability analysis for generalized boundary conditions. <i>European Physical Journal D</i> , 2020, 74, 1. | 0.6 | 49 |
| 150 | Momentum-space imaging spectroscopy for the study of nanophotonic materials. <i>Science Bulletin</i> , 2021, 66, 824-838. | 4.3 | 18 |
| 151 | Topological Phase Transition and Eigenstates Localization in a Generalized Non-Hermitian Su-Schrieffer-Heeger Model. <i>Annalen Der Physik</i> , 2021, 533, . | 0.9 | 12 |
| 152 | Knots and Non-Hermitian Bloch Bands. <i>Physical Review Letters</i> , 2021, 126, 010401. | 2.9 | 77 |
| 153 | Machine learning non-Hermitian topological phases. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 13 |
| 154 | Quantum Engineering With Hybrid Magnonic Systems and Materials (Invited Paper). <i>IEEE Transactions on Quantum Engineering</i> , 2021, 2, 1-36. | 2.9 | 69 |
| 155 | Boundary-dependent self-dualities, winding numbers, and asymmetrical localization in non-Hermitian aperiodic one-dimensional models. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 44 |
| 156 | Quantum anomaly, non-Hermitian skin effects, and entanglement entropy in open systems. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 54 |
| 157 | Polarization singularities in light scattering by small particles. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 8 |
| 158 | Exceptional Spin Liquids from Couplings to the Environment. <i>Physical Review Letters</i> , 2021, 126, 077201. | 2.9 | 30 |
| 159 | Topological polarization singularities in metaphotonics. <i>Nanophotonics</i> , 2021, 10, 1469-1486. | 2.9 | 42 |
| 161 | Exceptional topology of non-Hermitian systems. <i>Reviews of Modern Physics</i> , 2021, 93, . | 16.4 | 680 |
| 162 | Fermion Doubling Theorems in Two-Dimensional Non-Hermitian Systems for Fermi Points and Exceptional Points. <i>Physical Review Letters</i> , 2021, 126, 086401. | 2.9 | 68 |
| 163 | Real-space dynamical mean field theory study of non-Hermitian skin effect for correlated systems: Analysis based on pseudospectrum. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 164 | Two-dimensional non-Hermitian topological phases induced by asymmetric hopping in a one-dimensional superlattice. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 8 |
| 165 | Tidal surface states as fingerprints of non-Hermitian nodal knot metals. <i>Communications Physics</i> , 2021, 4, . | 2.0 | 39 |
| 166 | Practical lineshape of a laser operating near an exceptional point. <i>Scientific Reports</i> , 2021, 11, 6164. | 1.6 | 2 |
| 167 | Evolution and global charge conservation for polarization singularities emerging from non-Hermitian degeneracies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 17 |
| 168 | The topological criticality in disordered non-Hermitian system. <i>Journal of Physics Condensed Matter</i> , 2021, 33, 185401. | 0.7 | 6 |
| 169 | Nonunitary Scaling Theory of Non-Hermitian Localization. <i>Physical Review Letters</i> , 2021, 126, 166801. | 2.9 | 57 |
| 170 | Topological guided-mode resonances at non-Hermitian nanophotonic interfaces. <i>Nanophotonics</i> , 2021, 10, 1853-1860. | 2.9 | 13 |
| 171 | Non-Hermitian Skin Effects in Hermitian Correlated or Disordered Systems: Quantities Sensitive or Insensitive to Boundary Effects and Pseudo-Quantum-Number. <i>Physical Review Letters</i> , 2021, 126, 176601. | 2.9 | 55 |
| 172 | Geometry and superfluidity of the flat band in a non-Hermitian optical lattice. <i>Physical Review A</i> , 2021, 103, . | 1.0 | 8 |
| 173 | Non-Hermitian band topology with generalized inversion symmetry. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 33 |
| 174 | Symmetry Classes of Open Fermionic Quantum Matter. <i>Physical Review X</i> , 2021, 11, . | 2.8 | 38 |
| 175 | Topological phase transitions driven by non-Hermiticity in quantum spin Hall insulators. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 9 |
| 176 | Topological Field Theory of Non-Hermitian Systems. <i>Physical Review Letters</i> , 2021, 126, 216405. | 2.9 | 52 |
| 177 | Machine Learning of Mirror Skin Effects in the Presence of Disorder. <i>Journal of the Physical Society of Japan</i> , 2021, 90, 053703. | 0.7 | 4 |
| 178 | Unsupervised Learning of Non-Hermitian Topological Phases. <i>Physical Review Letters</i> , 2021, 126, 240402. | 2.9 | 22 |
| 179 | Emergence of exceptional points and their spectroscopic signature in a Dirac semimetalâ€“dirty superconductor heterojunction. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 5 |
| 180 | Pseudochirality at exceptional rings of optical metasurfaces. <i>Physical Review Research</i> , 2021, 3, . | 1.3 | 10 |
| 181 | Localization and topological phase transitions in non-Hermitian Aubry-Andr -Harper models with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -wave pairing. <i>Physical Review B</i> , 2021, 103, . | 1.1 | 21 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 182 | $\hat{\Gamma}$ -pairing ground states in the non-Hermitian Hubbard model. Physical Review B, 2021, 103, . | 1.1 | 13 |
| 183 | Non-Hermitian disorder-driven topological transition in a dimerized Kitaev superconductor chain. Physical Review B, 2021, 103, . | 1.1 | 6 |
| 184 | Simulating Exceptional Non-Hermitian Metals with Single-Photon Interferometry. Physical Review Letters, 2021, 127, 026404. | 2.9 | 40 |
| 185 | Entanglement spectrum crossings reveal non-Hermitian dynamical topology. Physical Review Research, 2021, 3, . | 1.3 | 21 |
| 186 | Polarization Singularities of Photonic Quasicrystals in Momentum Space. Physical Review Letters, 2021, 127, 043901. | 2.9 | 22 |
| 187 | Direct Measurement of Topological Properties of an Exceptional Parabola. Physical Review Letters, 2021, 127, 034301. | 2.9 | 22 |
| 188 | Exceptional non-Hermitian phases in disordered quantum wires. Physical Review B, 2021, 104, . | 1.1 | 6 |
| 189 | Exceptional topology in ordinary soft matter. Physical Review E, 2021, 104, 025002. | 0.8 | 3 |
| 190 | Correlation effects on non-Hermitian point-gap topology in zero dimension: Reduction of topological classification. Physical Review B, 2021, 104, . | 1.1 | 10 |
| 191 | Compatibility of transport effects in non-Hermitian nonreciprocal systems. Physical Review A, 2021, 104, . | 1.0 | 16 |
| 192 | Geometric Response and Disclination-Induced Skin Effects in Non-Hermitian Systems. Physical Review Letters, 2021, 127, 066401. | 2.9 | 47 |
| 193 | Observation of Non-Hermitian Topology with Nonunitary Dynamics of Solid-State Spins. Physical Review Letters, 2021, 127, 090501. | 2.9 | 37 |
| 194 | Comparative study of Hermitian and non-Hermitian topological dielectric photonic crystals. Physical Review A, 2021, 104, . | 1.0 | 18 |
| 195 | Transfer matrix study of the Anderson transition in non-Hermitian systems. Physical Review B, 2021, 104, . | 1.1 | 19 |
| 196 | Coherent perfect absorption at an exceptional point. Science, 2021, 373, 1261-1265. | 6.0 | 150 |
| 197 | Dynamically Induced Exceptional Phases in Quenched Interacting Semimetals. Physical Review Letters, 2021, 127, 106601. | 2.9 | 5 |
| 198 | Classification of topological phases in one dimensional interacting non-Hermitian systems and emergent unitarity. Science Bulletin, 2021, 66, 1731-1739. | 4.3 | 17 |
| 199 | Observation of higher-order non-Hermitian skin effect. Nature Communications, 2021, 12, 5377. | 5.8 | 128 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 200 | Two-dimensional anisotropic non-Hermitian Lieb lattice. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 10 |
| 201 | Fourth-order exceptional points in correlated quantum many-body systems. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 17 |
| 202 | Protected quantum coherence by gain and loss in a noisy quantum kicked rotor. <i>Journal of Physics Condensed Matter</i> , 2021, 34, . | 0.7 | 1 |
| 203 | Boundary condition independence of non-Hermitian Hamiltonian dynamics. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 17 |
| 204 | Pseudomagnetic Fields Enabled Manipulation of On-Chip Elastic Waves. <i>Physical Review Letters</i> , 2021, 127, 136401. | 2.9 | 19 |
| 205 | Strongly Enhanced Raman Optical Activity of Chiral Molecules by Vector Exceptional Points. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24970-24977. | 1.5 | 3 |
| 206 | Non-Hermitian physics. <i>Advances in Physics</i> , 2020, 69, 249-435. | 35.9 | 695 |
| 207 | State-Dependent Topological Invariants and Anomalous Bulk-Boundary Correspondence in Non-Hermitian Topological Systems with Generalized Inversion Symmetry. <i>Chinese Physics Letters</i> , 2020, 37, 117303. | 1.3 | 11 |
| 208 | Visualizing one-dimensional non-hermitian topological phases. <i>Journal of Physics Communications</i> , 2020, 4, 095005. | 0.5 | 5 |
| 209 | Non-Hermitian topological Mott insulators in one-dimensional fermionic superlattices. <i>Physical Review B</i> , 2020, 102, . | 1.1 | 47 |
| 210 | Non-Hermitian Weyl physics in topological insulator ferromagnet junctions. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 76 |
| 211 | Transition from Dirac points to exceptional points in anisotropic waveguides. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 7 |
| 212 | Exceptional points and the topology of quantum many-body spectra. <i>Physical Review Research</i> , 2019, 1, . | 1.3 | 37 |
| 213 | Correlations in non-Hermitian systems and diagram techniques for the steady state. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 7 |
| 214 | Photonic non-Hermitian skin effect and non-Bloch bulk-boundary correspondence. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 116 |
| 215 | Non-Hermitian topological end-mode lasing in polariton systems. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 38 |
| 216 | Dynamic winding number for exploring band topology. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 36 |
| 217 | Non-Hermitian topological metamaterials with odd elasticity. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 218 | Alice strings in non-Hermitian systems. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 9 |
| 219 | Reciprocal skin effect and its realization in a topoelectrical circuit. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 230 |
| 220 | Dissipative analog of four-dimensional quantum Hall physics. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 22 |
| 221 | Protection of parity-time symmetry in topological many-body systems: Non-Hermitian toric code and fracton models. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 23 |
| 222 | Winding numbers and generalized mobility edges in non-Hermitian systems. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 89 |
| 223 | Dissipation-induced topological transitions in continuous Weyl materials. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 16 |
| 224 | Fate of fractional quantum Hall states in open quantum systems: Characterization of correlated topological states for the full Liouvillian. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 39 |
| 225 | Topological semimetal phase with exceptional points in one-dimensional non-Hermitian systems. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 38 |
| 226 | Phase transitions and generalized biorthogonal polarization in non-Hermitian systems. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 29 |
| 227 | Exceptional points for resonant states on parallel circular dielectric cylinders. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2019, 36, 1659. | 0.9 | 15 |
| 228 | Exceptional cones in 4D parameter space. <i>Optics Express</i> , 2020, 28, 1758. | 1.7 | 16 |
| 229 | Exceptional surfaces in PT-symmetric non-Hermitian photonic systems. <i>Optica</i> , 2019, 6, 190. | 4.8 | 129 |
| 230 | Manipulating light radiation from a topological perspective. <i>Photonics Research</i> , 2020, 8, B25. | 3.4 | 21 |
| 231 | Active topological photonics. <i>Nanophotonics</i> , 2020, 9, 547-567. | 2.9 | 170 |
| 232 | Gain-induced scattering anomalies of diffractive metasurfaces. <i>Nanophotonics</i> , 2020, 9, 4273-4285. | 2.9 | 9 |
| 233 | Non-Hermitian and topological photonics: optics at an exceptional point. <i>Nanophotonics</i> , 2020, 10, 403-423. | 2.9 | 135 |
| 234 | Dynamical signatures of topological order in the driven-dissipative Kitaev chain. <i>SciPost Physics</i> , 2019, 6, . | 1.5 | 46 |
| 235 | Hyperbolic nodal band structures and knot invariants. <i>SciPost Physics</i> , 2019, 7, . | 1.5 | 15 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 236 | Topological wave insulators: a review. <i>Comptes Rendus Physique</i> , 2020, 21, 467-499. | 0.3 | 18 |
| 237 | Dislocation non-Hermitian skin effect. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 36 |
| 238 | Topological complex-energy braiding of non-Hermitian bands. <i>Nature</i> , 2021, 598, 59-64. | 13.7 | 132 |
| 239 | Symmetry-Protected Multifold Exceptional Points and Their Topological Characterization. <i>Physical Review Letters</i> , 2021, 127, 186602. | 2.9 | 82 |
| 240 | Topological physics of non-Hermitian optics and photonics: a review. <i>Journal of Optics (United Kingdom)</i> , 2021, 10, 101501. | 1.0 | 38 |
| 241 | Supermetal-insulator transition in a non-Hermitian network model. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 9 |
| 242 | Symmetry and Higher-Order Exceptional Points. <i>Physical Review Letters</i> , 2021, 127, 186601. | 2.9 | 85 |
| 243 | Topological states in electric circuit. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2019, 68, 220305. | 0.2 | 4 |
| 244 | Non-Hermitian higher-order Dirac semimetals. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 32 |
| 245 | Exceptional points in a topological waveguide-cavity coupled system. <i>New Journal of Physics</i> , 2021, 23, 113025. | 1.2 | 7 |
| 246 | Coherent transfer of topological interface states. <i>Optics Express</i> , 2020, 28, 38698. | 1.7 | 2 |
| 247 | Topological Bloch-Zener oscillations in non-Hermitian graphene plasmonic waveguide arrays. <i>Optics Communications</i> , 2022, 505, 127530. | 1.0 | 1 |
| 248 | Observation of the anisotropic exceptional point in cavity magnonics system. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2020, 69, 047103. | 0.2 | 0 |
| 249 | Generalized Brillouin zone and non-Hermitian band theory. <i>Wuli Xuebao/Acta Physica Sinica</i> , 2021, 70, 230307. | 0.2 | 4 |
| 250 | Dynamics of Topological Polarization Singularity in Momentum Space. <i>Physical Review Letters</i> , 2021, 127, 176101. | 2.9 | 50 |
| 251 | Non-Hermitian Weyl semimetals: Non-Hermitian skin effect and non-Bloch bulk-boundary correspondence. <i>Chinese Physics B</i> , 2022, 31, 010308. | 0.7 | 12 |
| 252 | Direct measurement of a non-Hermitian topological invariant in a hybrid light-matter system. <i>Science Advances</i> , 2021, 7, eabj8905. | 4.7 | 48 |
| 253 | Higher-Order Weyl-Exceptional-Ring Semimetals. <i>Physical Review Letters</i> , 2021, 127, 196801. | 2.9 | 32 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 254 | Exceptional points of Bloch eigenmodes on a dielectric slab with a periodic array of cylinders. <i>Physica Scripta</i> , 2020, 95, 095507. | 1.2 | 6 |
| 255 | Weyl points and exceptional rings with polaritons in bulk semiconductors. <i>Physical Review Research</i> , 2020, 2, . | 1.3 | 4 |
| 256 | Non-Hermitian band topology from momentum-dependent relaxation in two-dimensional metals with spiral magnetism. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 7 |
| 257 | Defective Majorana zero modes in a non-Hermitian Kitaev chain. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 19 |
| 258 | Biorthogonal quantum criticality in non-Hermitian many-body systems. <i>Frontiers of Physics</i> , 2022, 17, 1. | 2.4 | 18 |
| 259 | Classification of exceptional nodal topologies protected by $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetry. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 24 |
| 260 | Optical evidence for non-Hermitian topological phases of two-dimensional Dirac fermions. <i>Physical Review B</i> , 2021, 104, . | 1.1 | 1 |
| 261 | Roadmap on topological photonics. <i>JPhys Photonics</i> , 2022, 4, 032501. | 2.2 | 56 |
| 262 | Imaginary couplings in non-Hermitian coupled-mode theory: Effects on exceptional points of optical resonators. <i>Physical Review A</i> , 2022, 105, . | 1.0 | 14 |
| 263 | Anomalous Transport Induced by Non-Hermitian Anomalous Berry Connection in Non-Hermitian Systems. <i>Chinese Physics Letters</i> , 2022, 39, 010301. | 1.3 | 6 |
| 264 | Connections between the open-boundary spectrum and the generalized Brillouin zone in non-Hermitian systems. <i>Physical Review B</i> , 2022, 105, . | 1.1 | 18 |
| 265 | Non-Hermitian topology in rock-paper scissors games. <i>Scientific Reports</i> , 2022, 12, 560. | 1.6 | 10 |
| 266 | Low-Symmetry Nanophotonics. <i>ACS Photonics</i> , 2022, 9, 2-24. | 3.2 | 13 |
| 267 | Exceptional points and enhanced nanoscale sensing with a plasmon-exciton hybrid system. <i>Photonics Research</i> , 2022, 10, 557. | 3.4 | 11 |
| 268 | Edge states in a non-Hermitian topological crystalline insulator. <i>Physical Review B</i> , 2022, 105, . | 1.1 | 3 |
| 269 | Damping transition in an open generalized Aubry-Andr -Harper model. <i>Physical Review A</i> , 2022, 105, . | 1.0 | 10 |
| 270 | Dynamical scaling of Loschmidt echo in non-Hermitian systems. <i>Europhysics Letters</i> , 0, , . | 0.7 | 4 |
| 271 | Discriminant indicators with generalized inversion symmetry. <i>Physical Review B</i> , 2022, 105, . | 1.1 | 5 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 272 | Progress in Topological Mechanics. Applied Sciences (Switzerland), 2022, 12, 1987. | 1.3 | 8 |
| 273 | Non-Hermitian metasurface with non-trivial topology. Nanophotonics, 2022, 11, 1159-1165. | 2.9 | 13 |
| 274 | Topological Photonic Crystals: Physics, Designs, and Applications. Laser and Photonics Reviews, 2022, 16, . | 4.4 | 110 |
| 275 | Real spectra, Anderson localization, and topological phases in one-dimensional quasireciprocal systems. New Journal of Physics, 2022, 24, 043023. | 1.2 | 8 |
| 276 | Imaging lattice switching with Talbot effect in reconfigurable non-Hermitian photonic graphene. Photonics Research, 2022, 10, 958. | 3.4 | 12 |
| 277 | Fundamentals and Applications of Topological Polarization Singularities. Frontiers in Physics, 2022, 10, . | 1.0 | 4 |
| 278 | Topological transition and Majorana zero modes in 2D non-Hermitian chiral superconductor with anisotropy. Journal of Physics Condensed Matter, 2022, 34, 195401. | 0.7 | 6 |
| 279 | Observation of Weyl exceptional rings in thermal diffusion. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2110018119. | 3.3 | 21 |
| 280 | Non-Hermitian topological coupler for elastic waves. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1. | 2.0 | 7 |
| 281 | Anomalous non-Abelian statistics for non-Hermitian generalization of Majorana zero modes. Physical Review B, 2021, 104, . | 1.1 | 13 |
| 282 | Non-Hermitian Aubry-Andr  model with power-law hopping. Physical Review B, 2021, 104, . | 1.1 | 11 |
| 283 | Bound Topological Edge State in the Continuum for All-Dielectric Photonic Crystals. Physical Review Applied, 2021, 16, . | 1.5 | 18 |
| 284 | Exact mobility edges and topological phase transition in two-dimensional non-Hermitian quasicrystals. Science China: Physics, Mechanics and Astronomy, 2022, 65, 1. | 2.0 | 16 |
| 285 | Surface exceptional points in a topological Kondo insulator. Physical Review B, 2021, 104, . | 1.1 | 2 |
| 286 | Non-Hermitian topological states in 2D line-graph lattices: evolving triple exceptional points on reciprocal line graphs. New Journal of Physics, 2021, 23, 123038. | 1.2 | 1 |
| 287 | Non-Hermitian bulk-boundary correspondence and singular behaviors of generalized Brillouin zone. New Journal of Physics, 2021, 23, 123007. | 1.2 | 12 |
| 288 | Spin-Orbit Interaction of Light Enabled by Negative Coupling in High-Quality-Factor Optical Metasurfaces. Physical Review Applied, 2022, 17, . | 1.5 | 1 |
| 289 | Many-body topology of non-Hermitian systems. Physical Review B, 2022, 105, . | 1.1 | 43 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 290 | Topological band structure via twisted photons in a degenerate cavity. Nature Communications, 2022, 13, 2040. | 5.8 | 10 |
| 292 | Non-Hermitian waves in a continuous periodic model and application to photonic crystals. Physical Review Research, 2022, 4, . | 1.3 | 14 |
| 293 | Unconventional steady states and topological phases in an open two-level non-Hermitian system. New Journal of Physics, 2022, 24, 053028. | 1.2 | 0 |
| 294 | Universal non-Hermitian skin effect in two and higher dimensions. Nature Communications, 2022, 13, 2496. | 5.8 | 133 |
| 295 | Topology of multipartite non-Hermitian one-dimensional systems. Physical Review B, 2022, 105, . | 1.1 | 11 |
| 296 | Topological phase transitions and Weyl semimetal phases in chiral photonic metamaterials. New Journal of Physics, 2022, 24, 053052. | 1.2 | 5 |
| 297 | Thermalization Dynamics of Nonlinear Non-Hermitian Optical Lattices. Physical Review Letters, 2022, 128, . | 2.9 | 13 |
| 298 | Non-Hermitian second-order topology induced by resistances in electric circuits. Physical Review B, 2022, 105, . | 1.1 | 16 |
| 300 | Non-Hermitian Spatial Symmetries and Their Stabilized Normal and Exceptional Topological Semimetals. Physical Review Letters, 2022, 128, . | 2.9 | 12 |
| 301 | Exceptional mode topological surface laser. Physical Review B, 2022, 105, . | 1.1 | 1 |
| 302 | Light dynamics around an exceptional point in a 1D photonic bandgap waveguide. Physica Scripta, 2022, 97, 085501. | 1.2 | 3 |
| 303 | Geometry-dependent skin effects in reciprocal photonic crystals. Nanophotonics, 2022, 11, 3447-3456. | 2.9 | 14 |
| 304 | Observation of Topological Edge States in Thermal Diffusion. Advanced Materials, 2022, 34, . | 11.1 | 22 |
| 305 | Mesoscopic transport signatures of disorder-induced non-Hermitian phases. Physical Review Research, 2022, 4, . | 1.3 | 3 |
| 306 | Knot topology of exceptional point and non-Hermitian no-go theorem. Physical Review Research, 2022, 4, . | 1.3 | 26 |
| 307 | Non-Hermitian dislocation modes: Stability and melting across exceptional points. Physical Review B, 2022, 106, . | 1.1 | 16 |
| 308 | Generalized fermion doubling theorems: Classification of two-dimensional nodal systems in terms of wallpaper groups. Physical Review B, 2022, 106, . | 1.1 | 5 |
| 309 | Fate of the non-Hermitian skin effect in many-body fermionic systems. Physical Review Research, 2022, 4, . | 1.3 | 35 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 310 | A non-Hermitian optical atomic mirror. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 15 |
| 311 | Unveiling the Enhancement of Spontaneous Emission at Exceptional Points. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 14 |
| 312 | Non-Hermitian Absorption Spectroscopy. <i>Physical Review Letters</i> , 2022, 129, . | 2.9 | 6 |
| 313 | A review on non-Hermitian skin effect. <i>Advances in Physics: X</i> , 2022, 7, . | 1.5 | 46 |
| 314 | Momentum-space polarization fields in two-dimensional photonic-crystal slabs: Physics and applications. <i>Chinese Physics B</i> , 2022, 31, 104211. | 0.7 | 2 |
| 316 | Symmetry breaking and spectral structure of the interacting Hatano-Nelson model. <i>Physical Review B</i> , 2022, 106, . | 1.1 | 39 |
| 317 | Hall conductance of a non-Hermitian two-band system with k-dependent decay rates. <i>Chinese Physics B</i> , 2023, 32, 020305. | 0.7 | 2 |
| 318 | Topological phases induced by the Aubry-Andr -Harper potential in the longer-range Kitaev superconducting chain. <i>Physical Review B</i> , 2022, 106, . | 1.1 | 0 |
| 319 | Experimental unsupervised learning of non-Hermitian knotted phases with solid-state spins. <i>Npj Quantum Information</i> , 2022, 8, . | 2.8 | 17 |
| 320 | Annihilation of exceptional points from different Dirac valleys in a 2D photonic system. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 21 |
| 321 | Dynamical signatures of point-gap Weyl semimetal. <i>Physical Review B</i> , 2022, 106, . | 1.1 | 5 |
| 322 | Distance between exceptional points and diabolic points and its implication for the response strength of non-Hermitian systems. <i>Physical Review Research</i> , 2022, 4, . | 1.3 | 11 |
| 323 | Topological near fields generated by topological structures. <i>Science Advances</i> , 2022, 8, . | 4.7 | 5 |
| 324 | Non-Hermitian topology and exceptional-point geometries. <i>Nature Reviews Physics</i> , 2022, 4, 745-760. | 11.9 | 98 |
| 325 | Non-Hermitian Topological Phenomena: A Review. <i>Annual Review of Condensed Matter Physics</i> , 2023, 14, 83-107. | 5.2 | 59 |
| 326 | Metamaterial-enabled asymmetric negative refraction of GHz mechanical waves. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 6 |
| 327 | Floquet Scattering Through a Parity-Time Symmetric Oscillating Potential. <i>Chinese Physics B</i> , 0, , . | 0.7 | 0 |
| 328 | Interconversion of exceptional points between different orders in non-Hermitian systems. <i>New Journal of Physics</i> , 0, , . | 1.2 | 0 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 329 | Nonlinearity-enabled higher-order exceptional singularities with ultra-enhanced signal-to-noise ratio. National Science Review, 2023, 10, . | 4.6 | 5 |
| 330 | Experimental Identification of the Second-Order Non-Hermitian Skin Effect with Physics-Informed Machine Learning. Advanced Science, 2022, 9, . | 5.6 | 27 |
| 331 | Simulating topological materials with photonic synthetic dimensions in cavities. , 2022, 1, . | | 1 |
| 332 | Band structure of the one-dimensional spin-orbit-coupled Su-Schrieffer-Heeger lattice with $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e619" altimg="si3.svg" \rangle \langle \text{mml:mi mathvariant="script" \rangle PT \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -symmetric onsite imaginary potentials. Annals of Physics, 2022, ., 169165. | 1.0 | 0 |
| 333 | Photonic quantum Hall effects. , 2024, , 575-586. | | 0 |
| 334 | Reduction of one-dimensional non-Hermitian point-gap topology by interactions. Physical Review B, 2022, 106, . | 1.1 | 11 |
| 335 | Bound states and photon emission in non-Hermitian nanophotonics. Physical Review A, 2022, 106, . | 1.0 | 10 |
| 336 | Topological energy braiding of non-Bloch bands. Physical Review B, 2022, 106, . | 1.1 | 6 |
| 337 | Topological beaming of light. Science Advances, 2022, 8, . | 4.7 | 5 |
| 338 | Localization transitions and winding numbers for non-Hermitian Aubry-Andr -Harper models with off-diagonal modulations. Physical Review B, 2022, 106, . | 1.1 | 7 |
| 339 | Realization of Qi-Wu-Zhang model in spin-orbit-coupled ultracold fermions. Physical Review Research, 2023, 5, . | 1.3 | 8 |
| 340 | Inner skin effects on non-Hermitian topological fractals. Communications Physics, 2023, 6, . | 2.0 | 6 |
| 341 | Resonant leaky modes in all-dielectric metasystems: Fundamentals and applications. Physics Reports, 2023, 1008, 1-66. | 10.3 | 54 |
| 342 | Deterministic bulk-boundary correspondences for skin and edge modes in a general two-band non-Hermitian system. Physical Review Research, 2022, 4, . | 1.3 | 2 |
| 343 | Non-Hermitian squeezed polarons. Physical Review A, 2023, 107, . | 1.0 | 12 |
| 344 | Non-Hermitian topological photonics. Optical Materials Express, 2023, 13, 870. | 1.6 | 7 |
| 345 | Realization of exceptional points along a synthetic orbital angular momentum dimension. Science Advances, 2023, 9, . | 4.7 | 7 |
| 346 | General properties of fidelity in non-Hermitian quantum systems with PT symmetry. Quantum - the Open Journal for Quantum Science, 0, 7, 960. | 0.0 | 6 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 347 | Topological Unidirectional Guided Resonances Emerged from Interband Coupling. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 9 |
| 348 | Simultaneous Manipulation of Lineâ€Gap and Pointâ€Gap Topologies in Nonâ€Hermitian Lattices. <i>Laser and Photonics Reviews</i> , 2023, 17, . | 4.4 | 1 |
| 349 | Fate of exceptional points under interactions: Reduction of topological classifications. <i>Physical Review B</i> , 2023, 107, . | 1.1 | 11 |
| 350 | Various topological phases and their abnormal effects of topological acoustic metamaterials. , 2023, 2, 179-230. | | 3 |
| 351 | Topological phases and non-Hermitian topology in photonic artificial microstructures. <i>Nanophotonics</i> , 2023, 12, 2273-2294. | 2.9 | 3 |
| 352 | Switchable Unidirectional Radiation from Huygens Dipole Formed at an Exceptional Point in Non-Hermitian Plasmonic Systems. <i>ACS Photonics</i> , 2023, 10, 667-672. | 3.2 | 7 |
| 353 | Non-Abelian effects in dissipative photonic topological lattices. <i>Nature Communications</i> , 2023, 14, . | 5.8 | 9 |
| 354 | Spin vertical-cavity surface-emitting lasers with linear gain anisotropy: Prediction of exceptional points and nontrivial dynamical regimes. <i>Physical Review A</i> , 2023, 107, . | 1.0 | 0 |
| 355 | PT symmetry-protected exceptional cones and analogue Hawking radiation. <i>New Journal of Physics</i> , 2023, 25, 043012. | 1.2 | 3 |
| 356 | Bulk Bogoliubov Fermi arcs in non-Hermitian superconducting systems. <i>Physical Review B</i> , 2023, 107, . | 1.1 | 2 |
| 357 | Multiple phase transitions and anomalous non-Hermitian skin effect. <i>Physical Review B</i> , 2023, 107, . | 1.1 | 2 |
| 358 | Non-Hermitian chiral degeneracy of gated graphene metasurfaces. <i>Light: Science and Applications</i> , 2023, 12, . | 7.7 | 17 |
| 359 | Exceptional degeneracies in non-Hermitian Rashba semiconductors. <i>Journal of Physics Condensed Matter</i> , 2023, 35, 254002. | 0.7 | 2 |
| 360 | Visualization of photonic band structures via far-field measurements in SiN_{<i>x</i>} photonic crystal slabs. <i>Applied Physics Letters</i> , 2023, 122, 151102. | 1.5 | 0 |
| 361 | Emergent conservation in the Floquet dynamics of integrable non-Hermitian models. <i>Physical Review B</i> , 2023, 107, . | 1.1 | 3 |
| 362 | Non-Hermitian higher-order Weyl semimetal with surface diabolic points. <i>Physical Review B</i> , 2023, 107, . | 1.1 | 3 |
| 363 | Exceptional Non-Abelian Topology in Multiband Non-Hermitian Systems. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 13 |
| 364 | Topological Atomic Spin Wave Lattices by Dissipative Couplings. <i>Physical Review Letters</i> , 2023, 130, . | 2.9 | 3 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 365 | Non-Hermitian photonic lattices: tutorial. Journal of the Optical Society of America B: Optical Physics, 2023, 40, 1443. | 0.9 | 11 |
| 366 | Nonlinear nonlocal metasurfaces. Applied Physics Letters, 2023, 122, . | 1.5 | 6 |
| 367 | Exceptional points in cylindrical elastic media with radiation loss. Physical Review B, 2023, 107, . | 1.1 | 1 |
| 368 | Eigenvalue knots and their isotopic equivalence in three-state non-Hermitian systems. Physical Review Research, 2023, 5, . | 1.3 | 6 |
| 369 | Probing Complex-Energy Topology via Non-Hermitian Absorption Spectroscopy in a Trapped Ion Simulator. Physical Review Letters, 2023, 130, . | 2.9 | 7 |
| 380 | A second wave of topological phenomena in photonics and acoustics. Nature, 2023, 618, 687-697. | 13.7 | 26 |
| 395 | Applications of bound states in the continuum in photonics. Nature Reviews Physics, 2023, 5, 659-678. | 11.9 | 6 |
| 423 | Exploring new avenues for the manifestation of reciprocal phenomena. , 2024, , 343-396. | | 0 |