

# CITATION REPORT

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## Topological photonics

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2142	Asymmetric band diagrams in photonic crystals with a spontaneous nonreciprocal response. <b>2015</b> , 91,		13
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2126	Spin Textures of Exciton-Polaritons in a Tunable Microcavity with Large TE-TM Splitting. <b>2015</b> , 115, 246401	54
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2121	Robust light transport in non-Hermitian photonic lattices. <b>2015</b> , 5, 13376	122
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2111	Scheme for Achieving a Topological Photonic Crystal by Using Dielectric Material. <b>2015</b> , 114, 223901	660
2110	Topologically protected elastic waves in phononic metamaterials. <b>2015</b> , 6, 8682	404
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2108	Topological Phases of Sound and Light. <b>2015</b> , 5,	177
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2106	Entering an acoustic phase. <b>2015</b> , 11, 215-216	5
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2103	Deterministic photon-emitter coupling in chiral photonic circuits. <b>2015</b> , 10, 775-8	334
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2101	Phonons and elasticity in critically coordinated lattices. <b>2015</b> , 78, 073901	117
2100	Quantum simulation of 2D topological physics in a 1D array of optical cavities. <b>2015</b> , 6, 7704	81

2099	TOPOLOGICAL MATTER. Experimental observation of Weyl points. <b>2015</b> , 349, 622-4	609
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2097	Subwavelength topological edge States in optically resonant dielectric structures. <b>2015</b> , 114, 123901	106
2096	Time-Reversal-Violating Photonic Topological Insulators with Helical Edge States. <b>2015</b> , 84, 054401	6
2095	Topological acoustics. <b>2015</b> , 114, 114301	668
2094	Selective enhancement of topologically induced interface states in a dielectric resonator chain. <b>2015</b> , 6, 6710	299
2093	Topological edge plasmon modes between diatomic chains of plasmonic nanoparticles. <b>2015</b> , 23, 2021-31	80
2092	Observation of broadband unidirectional transmission by fusing the one-way edge states of gyromagnetic photonic crystals. <b>2015</b> , 23, 9658-63	9
2091	Topological edge modes in multilayer graphene systems. <b>2015</b> , 23, 21585-95	33
2090	Efficient excitation and tuning of toroidal dipoles within individual homogenous nanoparticles. <b>2015</b> , 23, 24738-47	29
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2088	Topological Insulators in PT-Symmetric Lattices. <b>2015</b> ,	3
2087	Chiral Mott insulators, Meissner effect, and Laughlin states in quantum ladders. <b>2015</b> , 91,	53
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2083	Analysis of a photonic crystal band-edge resonator embedded in a negative electric permittivity medium. <b>2015</b> , 32, 2068	
2082	Synthetic gauge fields for light beams in optical resonators. <b>2015</b> , 40, 2941-4	14

2081	Weyl points in photonic-crystal superlattices. <b>2015</b> , 2, 034013		27
2080	Spawning rings of exceptional points out of Dirac cones. <b>2015</b> , 525, 354-8		392
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2078	Spin-orbit interactions of light. <i>Nature Photonics</i> , <b>2015</b> , 9, 796-808	33.9	1011
2077	Spin-orbit photonics. <i>Nature Photonics</i> , <b>2015</b> , 9, 776-778	33.9	166
2076	Topologically robust transport of entangled photons in a 2D photonic system. <b>2016</b> , 24, 15631-41		29
2075	Modulational instability and solitary waves in polariton topological insulators. <b>2016</b> , 3, 1228		81
2074	Multipolar nonlinear nanophotonics. <b>2016</b> , 3, 1241		199
2073	Topological surface plasmons in superlattices with changing sign of the average permittivity. <b>2016</b> , 41, 4281-4		29
2072	Enhanced photonic spin Hall effect with subwavelength topological edge states. <b>2016</b> , 10, 656-664		25
2071	Haldane quantum Hall effect for light in a dynamically modulated array of resonators. <b>2016</b> , 3, 200		27
2070	Nonreciprocal Phase Shift and Mode Modulation in Dynamic Graphene Waveguides. <b>2016</b> , 1-1		13
2069	Classical dynamical gauge fields in optomechanics. <b>2016</b> , 18, 113029		21
2068	Synthetic-gauge-field-induced Dirac semimetal state in an acoustic resonator system. <b>2016</b> , 18, 125003		3
2067	Detecting topological phases of microwave photons in a circuit quantum electrodynamics lattice. <b>2016</b> , 2,		23
2066	Edge States in Honeycomb Structures. <b>2016</b> , 2, 1		29
2065	The existence of topological edge states in honeycomb plasmonic lattices. <b>2016</b> , 18, 103029		25
2064	Two-dimensionally confined topological edge states in photonic crystals. <b>2016</b> , 18, 113013		143

2063	Realization of uniform synthetic magnetic fields by periodically shaking an optical square lattice. <b>2016</b> , 18, 093013	18
2062	Experimental demonstration of broadband reflectionless diffraction-free electromagnetic wave routing. <b>2016</b> , 94,	2
2061	Helical edge states and topological phase transitions in phononic systems using bi-layered lattices. <b>2016</b> , 119, 084305	88
2060	Guiding, bending, and splitting of coupled defect surface modes in a surface-wave photonic crystal. <b>2016</b> , 108, 041105	24
2059	Topological Nonsymmorphic Metals from Band Inversion. <b>2016</b> , 6,	48
2058	Topological magnetoplasmon. <b>2016</b> , 7, 13486	68
2057	Three-dimensional Majorana fermions in chiral superconductors. <b>2016</b> , 2, e1601835	29
2056	Realization of Zero-Refractive-Index Lens with Ultralow Spherical Aberration. <b>2016</b> , 3, 2262-2267	23
2055	Photonic Weyl point in a two-dimensional resonator lattice with a synthetic frequency dimension. <b>2016</b> , 7, 13731	114
2054	Robust unidirectional transport in a one-dimensional metacrystal with long-range hopping. <b>2016</b> , 116, 30005	5
2053	Topological phononic states of underwater sound based on coupled ring resonators. <b>2016</b> , 108, 031904	57
2052	One-way helical electromagnetic wave propagation supported by magnetized plasma. <b>2016</b> , 6, 21461	26
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2050	Tunable optical bound states in the continuum beyond in-plane symmetry protection. <b>2016</b> , 94,	41
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2048	Statistical moments of quantum-walk dynamics reveal topological quantum transitions. <b>2016</b> , 7, 11439	96
2047	Surface plasmon polaritons one-way mode converter based on parity-time symmetry broken system. <b>2016</b> , 30, 1650154	1
2046	Simultaneous multi-frequency topological edge modes between one-dimensional photonic crystals. <b>2016</b> , 41, 1644-7	42

2045	Quantum transport in coupled resonators enclosed synthetic magnetic flux. <b>2016</b> , 370, 1-11	1
2044	Measuring the Aharonov-Anandan phase in multiport photonic systems. <b>2016</b> , 41, 1889-92	9
2043	Photonic topological insulator with broken time-reversal symmetry. <b>2016</b> , 113, 4924-8	139
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2041	Electromagnetic pathway: Flexible yet robust. <b>2016</b> , 15, 494-5	1
2040	Topological polaritons with squeezed photons. <b>2016</b> , 33, 1128	3
2039	Many-body quantum electrodynamics networks: Non-equilibrium condensed matter physics with light. <b>2016</b> , 17, 808-835	68
2038	Kagome lattice from an exciton-polariton perspective. <b>2016</b> , 94,	26
2037	Edge Solitons in Nonlinear-Photonic Topological Insulators. <b>2016</b> , 117, 143901	145
2036	Supersymmetry protected topological phases of isostatic lattices and kagome antiferromagnets. <b>2016</b> , 94,	9
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2034	Dynamics of Weyl quasiparticles in an optical lattice. <b>2016</b> , 94,	17
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2030	Tight-binding lattices with an oscillating imaginary gauge field. <b>2016</b> , 94,	15
2029	Non-Abelian Braiding of Light. <b>2016</b> , 117, 073901	26
2028	Topological description for gaps of one-dimensional symmetric all-dielectric photonic crystals. <b>2016</b> , 24, 18580-91	20



2027	Boundary-induced dynamics in one-dimensional topological systems and memory effects of edge modes. <b>2016</b> , 94,	6
2026	Accidental degeneracy in photonic bands and topological phase transitions in two-dimensional core-shell dielectric photonic crystals. <b>2016</b> , 24, 18059-71	105
2025	Acoustic topological insulator and robust one-way sound transport. <b>2016</b> , 12, 1124-1129	576
2024	Floquet-Weyl and Floquet-topological-insulator phases in a stacked two-dimensional ring-network lattice. <b>2016</b> , 28, 425501	5
2023	Instability of bosonic topological edge states in the presence of interactions. <b>2016</b> , 94,	40
2022	Experimental realization of optomechanically induced non-reciprocity. <i>Nature Photonics</i> , <b>2016</b> , 10, 657-661,9	271
2021	Chirality in photonic systems. <b>2016</b> , 17, 920-933	12
2020	Circuit-based magnetless floquet topological insulator. <b>2016</b> ,	3
2019	Acoustic Type-II Weyl Nodes from Stacking Dimerized Chains. <b>2016</b> , 117, 224301	89
2018	The role of charge conjugation symmetry in topological photonics. <b>2016</b> ,	
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2016	Photonic realization of topologically protected bound states in domain-wall waveguide arrays. <b>2016</b> , 93,	13
2015	Quantum simulation of exotic PT-invariant topological nodal loop bands with ultracold atoms in an optical lattice. <b>2016</b> , 93,	40
2014	Optical isolation of circularly polarized light with a spontaneous magnetoelectric effect. <b>2016</b> , 93,	18
2013	Tunable Topological Phononic Crystals. <b>2016</b> , 5,	140
2012	Chiral Bogoliubov excitations in nonlinear bosonic systems. <b>2016</b> , 93,	84
2011	Z2 topological index for continuous photonic materials. <b>2016</b> , 93,	33
2010	Geometric phase induced interface states in mutually inverted two-dimensional photonic crystals. <b>2016</b> , 93,	17

2009	Interacting quantum fluid in a polariton Chern insulator. <b>2016</b> , 93,	45
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2007	Normal and superfluid fractions of inhomogeneous nonequilibrium quantum fluids. <b>2016</b> , 93,	5
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2004	Three-dimensional photonic Dirac points stabilized by point group symmetry. <b>2016</b> , 93,	45
2003	Kibble-Zurek Mechanism in Topologically Nontrivial Zigzag Chains of Polariton Micropillars. <b>2016</b> , 116, 046402	55
2002	Valley Vortex States in Sonic Crystals. <b>2016</b> , 116, 093901	233
2001	Tunable Bloch Wave Resonances and Bloch Gaps in Uniform Materials with Reconfigurable Boundary Profiles. <b>2016</b> , 116, 206802	5
2000	Anomalous Topological Phases and Unpaired Dirac Cones in Photonic Floquet Topological Insulators. <b>2016</b> , 117, 013902	83
1999	Measurement of the Zak phase of photonic bands through the interface states of a metasurface/photonic crystal. <b>2016</b> , 93,	54
1998	Collective modes in nodal line semimetals. <b>2016</b> , 93,	41
1997	Topological polaritons from photonic Dirac cones coupled to excitons in a magnetic field. <b>2016</b> , 93,	13
1996	Topological Optical Waveguiding in Silicon and the Transition between Topological and Trivial Defect States. <b>2016</b> , 116, 163901	122
1995	Polaritons in van der Waals materials. <b>2016</b> , 354,	514
1994	The effects of three-dimensional defects on one-way surface plasmon propagation for photonic topological insulators comprised of continuum media. <b>2016</b> , 6, 30055	29
1993	Pseudo-time-reversal symmetry and topological edge states in two-dimensional acoustic crystals. <b>2016</b> , 6, 32752	90
1992	Exciting reflectionless unidirectional edge modes in a reciprocal photonic topological insulator medium. <b>2016</b> , 94,	17

1991	Experimental demonstration of anomalous Floquet topological insulator for sound. <b>2016</b> , 7, 13368	244
1990	Floquet topological insulators for sound. <b>2016</b> , 7, 11744	327
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1988	Acoustic metamaterials: From local resonances to broad horizons. <b>2016</b> , 2, e1501595	662
1987	Topological phase transitions and chiral inelastic transport induced by the squeezing of light. <b>2016</b> , 7, 10779	59
1986	Geometry-invariant resonant cavities. <b>2016</b> , 7, 10989	52
1985	Probing topological protection using a designer surface plasmon structure. <b>2016</b> , 7, 11619	150
1984	Plexciton Dirac points and topological modes. <b>2016</b> , 7, 11783	52
1983	Single-electron induced surface plasmons on a topological nanoparticle. <b>2016</b> , 7, 12375	29
1982	Experimental demonstration of topological effects in bianisotropic metamaterials. <b>2016</b> , 6, 22270	66
1981	Controlling sound with acoustic metamaterials. <b>2016</b> , 1,	867
1980	Topological phase transitions and Thouless pumping of light in photonic waveguide arrays. <b>2016</b> , 10, 995-1001	38
1979	Signatures of topological quantum phase transitions in driven and dissipative qubit arrays. <b>2016</b> , 94,	3
1978	Nonreciprocal diffraction of light based on double-transition-assisted photonic Aharonov-Bohm effect. <b>2016</b> , 94,	4
1977	Photonic crystals possessing multiple Weyl points and the experimental observation of robust surface states. <b>2016</b> , 7, 13038	148
1976	Bulk-edge correspondence for topological photonic continua. <b>2016</b> , 94,	54
1975	Topological Quantum Fluctuations and Traveling Wave Amplifiers. <b>2016</b> , 6,	56
1974	Anomalous topological phases, unpaired dirac cones, and weak antilocalization in helical photonic lattices. <b>2016</b> ,	

1973	Acceleration toward polarization singularity inspired by relativistic EB drift. <b>2016</b> , 6, 37754	11
1972	Experimental Realization of a Reflections-Free Compact Delay Line Based on a Photonic Topological Insulator. <b>2016</b> , 6, 28453	47
1971	Anomalous Light Scattering by Topological PT-symmetric Particle Arrays. <b>2016</b> , 6, 38049	23
1970	Invited Article: Topological crystalline protection in a photonic system. <b>2016</b> , 1, 050803	5
1969	Towards four-dimensional photonics. <b>2016</b> ,	1
1968	Conical intersections for light and matter waves. <b>2016</b> , 1, 101-113	14
1967	Topological states in photonic systems. <b>2016</b> , 12, 626-629	199
1966	Angle-Resolved Cathodoluminescence Imaging Polarimetry. <b>2016</b> , 3, 147-154	55
1965	Photonic gauge potential in a system with a synthetic frequency dimension. <b>2016</b> , 41, 741-4	119
1964	Robust reconfigurable electromagnetic pathways within a photonic topological insulator. <b>2016</b> , 15, 542-8	304
1963	Measurement of topological invariants in a 2D photonic system. <i>Nature Photonics</i> , <b>2016</b> , 10, 180-183	33.9 110
1962	Universal spin-momentum locking of evanescent waves. <b>2016</b> , 3, 118	178
1961	Effective medium theory for subwavelength cylinder arrays. <b>2016</b> , 113, 48002	
1960	Topological Photonic Quasicrystals: Fractal Topological Spectrum and Protected Transport. <b>2016</b> , 6,	91
1959	Symmetry-protected topological photonic crystal in three dimensions. <b>2016</b> , 12, 337-340	182
1958	Realization of unidirectional transmission under accidental degenerated Dirac point. <b>2017</b> , 389, 58-62	3
1957	Edge States and Topological Phase Transitions in Chains of Dielectric Nanoparticles. <b>2017</b> , 13, 1603190	56
1956	Chirality of Topological Gap Solitons in Bosonic Dimer Chains. <b>2017</b> , 118, 023901	33

1955	Generalized non-reciprocity in an optomechanical circuit via synthetic magnetism and reservoir engineering. <b>2017</b> , 13, 465-471	227
1954	Berry Phase, Berry Connection, and Chern Number for a Continuum Bianisotropic Material From a Classical Electromagnetics Perspective. <b>2017</b> , 2, 3-17	55
1953	Symmetry-protected collisions between strongly interacting photons. <b>2017</b> , 542, 206-209	49
1952	Chiral quantum optics. <b>2017</b> , 541, 473-480	595
1951	Unidirectional transmission in 1D nonlinear photonic crystal based on topological phase reversal by optical nonlinearity. <b>2017</b> , 7, 025203	16
1950	Topological phase transition of two-dimensional topological polaritons. <b>2017</b> , 31, 1750070	0
1949	One-way light transport controlled by synthetic magnetic fluxes and $\mathcal{PT}$ -symmetric resonators. <b>2017</b> , 19, 015010	15
1948	Multipolar interference effects in nanophotonics. <b>2017</b> , 375,	65
1947	Optoelectronic devices, plasmonics, and photonics with topological insulators. <b>2017</b> , 5, 035504	69
1946	Experimental measurement of the Berry curvature from anomalous transport. <b>2017</b> , 13, 545-550	75
1945	Dynamically Manipulating Topological Physics and Edge Modes in a Single Degenerate Optical Cavity. <b>2017</b> , 118, 083603	33
1944	Near-zero refractive index photonics. <i>Nature Photonics</i> , <b>2017</b> , 11, 149-158	33-9 43 <sup>o</sup>
1943	Symmetry-protected zero-mode laser with a tunable spatial profile. <b>2017</b> , 95,	42
1942	Disorder-induced topological transitions in multichannel Majorana wires. <b>2017</b> , 95,	8
1941	Floquet engineering of Haldane Chern insulators and chiral bosonic phase transitions. <b>2017</b> , 95,	29
1940	Edge Modes, Degeneracies, and Topological Numbers in Non-Hermitian Systems. <b>2017</b> , 118, 040401	378
1939	Singular optics and topological photonics. <b>2017</b> , 19, 010401	54
1938	Metamaterial, plasmonic and nanophotonic devices. <b>2017</b> , 80, 036401	100

1937	P $\mathcal{C}$ T $\mathcal{D}$ symmetry-protected scattering anomaly in optics. <b>2017</b> , 95,	36
1936	Synthetic gauge potential and effective magnetic field in a Raman medium undergoing molecular modulation. <b>2017</b> , 95,	6
1935	Engineering topological edge states in two dimensional magnetic photonic crystal. <b>2017</b> , 110, 021109	14
1934	Pseudomagnetic fields for sound at the nanoscale. <b>2017</b> , 114, E3390-E3395	69
1933	Discrete soliton diode induced by synthetic gauge phase. <b>2017</b> , 26, 1750012	1
1932	Frequency-axis light transport and topological effects in dynamic photonic structures. <b>2017</b> ,	
1931	Topological triplon modes and bound states in a ShastrySutherland magnet. <b>2017</b> , 13, 736-741	38
1930	Magnetization dynamics in magnonic structures with different geometries: interfaces, notches and waveguides. <b>2017</b> , 29, 214001	7
1929	Dispersion Topological Darkness at Multiple Wavelengths and Polarization States. <b>2017</b> , 5, 1700166	7
1928	Topologically protected bound states in photonic parity-time-symmetric crystals. <b>2017</b> , 16, 433-438	414
1927	Simultaneous topological Bragg and locally resonant edge modes of shear horizontal guided wave in one-dimensional structure. <b>2017</b> , 50, 275102	22
1926	Efficient computation of theW3topological invariant and application to FloquetBloch systems. <b>2017</b> , 50, 295301	11
1925	Topological phase transition and interface states in hybrid plasmonic-photonic systems. <b>2017</b> , 19, 06LT02	12
1924	RelativisticZitterbewegungin non-Hermitian photonic waveguide systems. <b>2017</b> , 19, 013017	
1923	Plasmonic Edge States: An Electrostatic Eigenmode Description. <b>2017</b> , 4, 1607-1614	17
1922	Multivalley engineering in semiconductor microcavities. <b>2017</b> , 7, 45243	10
1921	Interaction-induced two-photon edge states in an extended Hubbard model realized in a cavity array. <b>2017</b> , 95,	19
1920	Topology-driven nonlinear switching in MBius discrete arrays. <b>2017</b> , 95,	4

1919	Edge waves in plates with resonators: an elastic analogue of the quantum valley Hall effect. <b>2017</b> , 19, 025001		192
1918	Loading ultracold gases in topological Floquet bands: the fate of current and center-of-mass responses. <b>2017</b> , 4, 024010		12
1917	Waveguide photonic limiters based on topologically protected resonant modes. <b>2017</b> , 95,		11
1916	Photonic versus electronic quantum anomalous Hall effect. <b>2017</b> , 95,		16
1915	Experimental demonstration of topologically protected efficient sound propagation in an acoustic waveguide network. <b>2017</b> , 95,		51
1914	Topological collective plasmons in bipartite chains of metallic nanoparticles. <b>2017</b> , 95,		68
1913	Materials science: Chain mail reverses the Hall effect. <b>2017</b> , 544, 44-45		1
1912	Three-dimensional all-dielectric photonic topological insulator. <i>Nature Photonics</i> , <b>2017</b> , 11, 130-136	33.9	186
1911	A photonic analog of Möbius strips using coupled optical ring resonators. <b>2017</b> , 19, 025101		3
1910	A personal view on the origins and developments of the metamaterial concept. <b>2017</b> , 19, 013002		28
1909	Synthetic gauge field and pseudospin-orbit interaction in a stacked two-dimensional ring-network lattice. <b>2017</b> , 29, 045501		
1908	Non-Hermitian bidirectional robust transport. <b>2017</b> , 95,		12
1907	Observation of photonic anomalous Floquet topological insulators. <b>2017</b> , 8, 13756		226
1906	Type-II Dirac photons. <b>2017</b> , 2,		44
1905	Lasing in topological edge states of a one-dimensional lattice. <i>Nature Photonics</i> , <b>2017</b> , 11, 651-656	33.9	390
1904	Photonic Chern insulator through homogenization of an array of particles. <b>2017</b> , 96,		20
1903	Sticky fingers. <b>2017</b> , 13, 1039-1039		
1902	Disorder-Induced Topological State Transition in Photonic Metamaterials. <b>2017</b> , 119, 183901		36

1901	Topological origin of equatorial waves. <b>2017</b> , 358, 1075-1077	82
1900	Spontaneous and superfluid chiral edge states in exciton-polariton condensates. <b>2017</b> , 96,	19
1899	Scattering Invisibility With Free-Space Field Enhancement of All-Dielectric Nanoparticles. <b>2017</b> , 11, 1700103	12
1898	Nonlinear Dirac cones. <b>2017</b> , 96,	10
1897	Detecting Topological Invariants in Nonunitary Discrete-Time Quantum Walks. <b>2017</b> , 119, 130501	96
1896	Optical Force Enhancement Using an Imaginary Vector Potential for Photons. <b>2017</b> , 119, 137402	3
1895	Realizing type-II Weyl points in an optical lattice. <b>2017</b> , 95,	10
1894	Observation of topological valley modes in an elastic hexagonal lattice. <b>2017</b> , 96,	153
1893	Functional Meta-Optics and Nanophotonics Governed by Mie Resonances. <b>2017</b> , 4, 2638-2649	310
1892	Topological Aharonov-Bohm suppression of optical tunneling in twisted nonlinear multicore fibers. <b>2017</b> , 96,	3
1891	Topological Andreev bands in three-terminal Josephson junctions. <b>2017</b> , 96,	28
1890	Topologically Protected Complete Polarization Conversion. <b>2017</b> , 119, 167401	50
1889	Towards properties on demand in quantum materials. <b>2017</b> , 16, 1077-1088	308
1888	Optical properties of magnetic photonic crystals with an arbitrary magnetization orientation. <b>2017</b> , 125, 22-34	7
1887	Fano resonances in photonics. <i>Nature Photonics</i> , <b>2017</b> , 11, 543-554	33.9 759
1886	Topological phononic insulator with robust pseudospin-dependent transport. <b>2017</b> , 96,	97
1885	Emergence of Type-II Dirac Points in Graphynelike Photonic Lattices. <b>2017</b> , 119, 113901	32
1884	Waves in Slowly Varying Band-Gap Media. <b>2017</b> , 77, 1516-1535	4



1883	Multiple topological phase transitions in a gyromagnetic photonic crystal. <b>2017</b> , 95,	16
1882	Guiding Waves Along an Infinitesimal Line between Impedance Surfaces. <b>2017</b> , 119, 106802	29
1881	Lattice topology dictates photon statistics. <b>2017</b> , 7, 8948	7
1880	Topological edge modes with PT symmetry in a quasiperiodic structure. <b>2017</b> , 96,	22
1879	Topological phases and edge states in a non-Hermitian trimerized optical lattice. <b>2017</b> , 96,	63
1878	Simultaneous multi-band valley-protected topological edge states of shear vertical wave in two-dimensional phononic crystals with veins. <b>2017</b> , 7, 10335	54
1877	Topological order gets active. <b>2017</b> , 13, 1038-1039	3
1876	Synthetic-lattice enabled all-optical devices based on orbital angular momentum of light. <b>2017</b> , 8, 16097	30
1875	Floquet multi-Weyl points in crossing-nodal-line semimetals. <b>2017</b> , 96,	36
1874	Two-dimensional topological photonic systems. <b>2017</b> , 55, 52-73	48
1873	Scattering-free edge states between heterogeneous photonic topological insulators. <b>2017</b> , 95,	56
1872	Synthetic dimensions for cold atoms from shaking a harmonic trap. <b>2017</b> , 95,	55
1871	Linear and nonlinear photonic Jackiw-Rebbi states in interfaced binary waveguide arrays. <b>2017</b> , 96,	12
1870	Spectral imaging of topological edge states in plasmonic waveguide arrays. <b>2017</b> , 96,	29
1869	Topological tight-binding models from nontrivial square roots. <b>2017</b> , 95,	41
1868	Frequency comb generation using plasmonic resonances in a time-dependent graphene ribbon array. <b>2017</b> , 95,	7
1867	Applications of Topological Photonics in Integrated Photonic Devices. <b>2017</b> , 5, 1700357	63
1866	Observation of topological edge states in parity-time-symmetric quantum walks. <b>2017</b> , 13, 1117-1123	267

1865	Exploring nonlinear topological states of matter with exciton-polaritons: Edge solitons in kagome lattice. <b>2017</b> , 7, 1780	60
1864	Topological Heat Transport and Symmetry-Protected Boson Currents. <b>2017</b> , 7, 6350	25
1863	Unveiling the Link Between Fractional Schrödinger Equation and Light Propagation in Honeycomb Lattice. <b>2017</b> , 529, 1700149	37
1862	Chiral Edge Mode in the Coupled Dynamics of Magnetic Solitons in a Honeycomb Lattice. <b>2017</b> , 119, 077204	21
1861	Model for topological phononics and phonon diode. <b>2017</b> , 96,	63
1860	Partial chiral symmetry-breaking as a route to spectrally isolated topological defect states in two-dimensional artificial materials. <b>2017</b> , 4, 025008	31
1859	Quantum cascade driving: Dissipatively mediated coherences. <b>2017</b> , 96,	4
1858	Exceptional points in a non-Hermitian topological pump. <b>2017</b> , 95,	59
1857	Photonic surface waves on metamaterial interfaces. <b>2017</b> , 29, 463001	56
1856	Dirac and Nodal Line Magnons in Three-Dimensional Antiferromagnets. <b>2017</b> , 119, 247202	66
1855	Photonic Nambu-Goldstone bosons. <b>2017</b> , 96,	2
1854	Parametric Instability Rates in Periodically Driven Band Systems. <b>2017</b> , 7,	34
1853	Bloch Waves in an Arbitrary Two-Dimensional Lattice of Subwavelength Dirichlet Scatterers. <b>2017</b> , 77, 2119-2135	8
1852	Topological networks for quantum communication between distant qubits. <b>2017</b> , 3,	19
1851	Non-Hermitian photonics based on parity-time symmetry. <i>Nature Photonics</i> , <b>2017</b> , 11, 752-762	33-9 509
1850	Two-dimensional topological photonics. <i>Nature Photonics</i> , <b>2017</b> , 11, 763-773	33-9 405
1849	Non-reciprocal photonics based on time modulation. <i>Nature Photonics</i> , <b>2017</b> , 11, 774-783	33-9 348
1848	Group Theoretical Route to Deterministic Weyl Points in Chiral Photonic Lattices. <b>2017</b> , 119, 227401	17

1847	Topological Edge-State Manifestation of Interacting 2D Condensed Boson-Lattice Systems in a Harmonic Trap. <b>2017</b> , 119, 203204	8
1846	Modulation of the electromagnetic local density of states in graphene-based hyperbolic metamaterials. <b>2017</b> , 122, 193101	5
1845	Statistical parity-time-symmetric lasing in an optical fibre network. <b>2017</b> , 8, 1359	20
1844	Acoustic frequency filter based on anisotropic topological phononic crystals. <b>2017</b> , 7, 15005	15
1843	Directional mechanical response in the bulk of topological metamaterials. <b>2017</b> , 19, 065004	17
1842	Topological edge-state engineering with high-frequency electromagnetic radiation. <b>2017</b> , 96,	6
1841	Generation and spectroscopic signatures of a fractional quantum Hall liquid of photons in an incoherently pumped optical cavity. <b>2017</b> , 96,	12
1840	Valley surface-wave photonic crystal and its bulk/edge transport. <b>2017</b> , 96,	79
1839	Detecting Topological Transitions in Two Dimensions by Hamiltonian Evolution. <b>2017</b> , 119, 197401	4
1838	Acoustic Metamaterials with Conical Dispersions. <b>2017</b> , 553-597	1
1837	Majorana spin liquids, topology, and superconductivity in ladders. <b>2017</b> , 96,	11
1836	Sonic Landau Levels and Synthetic Gauge Fields in Mechanical Metamaterials. <b>2017</b> , 119, 195502	34
1835	Optical isolation with nonlinear topological photonics. <b>2017</b> , 19, 095002	51
1834	Topologically protected Dirac plasmons in a graphene superlattice. <b>2017</b> , 8, 1243	43
1833	Topological Subspace-Induced Bound State in the Continuum. <b>2017</b> , 118, 166803	87
1832	Nonreciprocal quantum-state conversion between microwave and optical photons. <b>2017</b> , 96,	45
1831	Generation of Weyl points in coupled optical microdisk-resonator arrays via external modulation. <b>2017</b> , 96,	13
1830	Topological angular momentum and radiative heat transport in closed orbits. <b>2017</b> , 95,	27

1829	Artificial gauge field for a light ray. <b>2017</b> , 95,	2
1828	Composite Weyl nodes stabilized by screw symmetry with and without time-reversal invariance. <b>2017</b> , 96,	53
1827	Robust entanglement with three-dimensional nonreciprocal photonic topological insulators. <b>2017</b> , 95,	21
1826	Geometry dependence of surface lattice resonances in plasmonic nanoparticle arrays. <b>2017</b> , 95,	82
1825	Topologically enabled optical nanomotors. <b>2017</b> , 3, e1602738	15
1824	Topological Bound States in the Continuum in Arrays of Dielectric Spheres. <b>2017</b> , 118, 267401	95
1823	Topological edge states of bound photon pairs. <b>2017</b> , 95,	36
1822	Hofstadter butterfly evolution in the space of two-dimensional Bravais lattices. <b>2017</b> , 95,	6
1821	Chiral ground-state currents of interacting photons in a synthetic magnetic field. <b>2017</b> , 13, 146-151	189
1820	Topologically Protected Unidirectional Surface States in Biased Ferrites: Duality and Application to Directional Couplers. <b>2017</b> , 16, 449-452	18
1819	Valley photonic crystals for control of spin and topology. <b>2017</b> , 16, 298-302	273
1818	Diffraction properties of Floquet topological states in photonic lattices. <b>2017</b> ,	
1817	Topologically induced optical limiter. <b>2017</b> ,	
1816	Topological heat current in a thermal equilibrium. <b>2017</b> ,	
1815	Topological spoof plasmon polaritons based on C6-symmetric crystalline metasurfaces. <b>2017</b> ,	0
1814	Effect of PT symmetry in a parallel double-quantum-dot structure. <b>2017</b> , 96,	7
1813	Stability of fractional quantum Hall states in disordered photonic systems. <b>2017</b> , 19, 115004	
1812	Topological quantum paramagnet in a quantum spin ladder. <b>2017</b> , 96,	15

1811	Observation of valley-selective microwave transport in photonic crystals. <b>2017</b> , 111, 251107	30
1810	Valley-protected backscattering suppression of elastic wave in two-dimensional solid phononic crystals. <b>2017</b> ,	
1809	Topological edge solitons in polaritonic lattice. <b>2017</b> ,	
1808	Controlling Flexural Waves in Semi-Infinite Platonic Crystals with Resonator-Type Scatterers. <b>2017</b> , 70, 216-247	26
1807	Observation of edge states at telecom wavelengths in a nanoscale topological photonic crystal. <b>2017</b> ,	
1806	Parity-time symmetry meets photonics: A new twist in non-Hermitian optics. <b>2017</b> , 120, 64001	137
1805	Imaging of topologically protected elastic mode in silica 1D phononic crystal via photoelastic effect. <b>2017</b> ,	
1804	. <b>2017</b> ,	
1803	Time reflection and refraction of graphene plasmons at a temporal discontinuity. <b>2017</b> , 42, 5006-5009	6
1802	Editorial: Guided-Wave Optics. <b>2017</b> , 7, 962	2
1801	Manipulating surface plasmon polaritons with infinitely anisotropic metamaterials. <b>2017</b> , 25, 10515-10526	11
1800	Efficient finite element resolution of gyromagnetic and gyroelectric nonreciprocal electromagnetic problems. <b>2017</b> , 25, 11088-11102	2
1799	Topological edge modes in non-Hermitian plasmonic waveguide arrays. <b>2017</b> , 25, 11132-11143	34
1798	Chiral surface waves on hyperbolic-gyromagnetic metamaterials. <b>2017</b> , 25, 11801-11812	17
1797	Weyl points in a magnetic tetrahedral photonic crystal. <b>2017</b> , 25, 15772-15777	16
1796	Unidirectional edge states in topological honeycomb-lattice membrane photonic crystals. <b>2017</b> , 25, 23293-23307	7
1795	Topological properties of nearly flat bands in two-dimensional photonic crystals. <b>2017</b> , 34, 831	4
1794	Plasmonic topological insulators for topological nanophotonics. <b>2017</b> , 42, 4063-4066	15

1793 Dispersion topological darkness. **2017**,

1792 Stencil Lithography for Scalable Micro- and Nanomanufacturing. **2017**, 8, 131

28

1791 Topological photonic structures for nanophotonics. **2017**,

1790 L lines, C points and Chern numbers: understanding band structure topology using polarization fields. **2017**, 19, 115013

18

1789 Coupled topologically protected metawaveguides. **2017**,

0

1788 Light-sound interconversion in optomechanical Dirac materials. **2017**, 7, 9811

4

1787 Topological cascade laser for frequency comb generation in PT-symmetric structures. **2017**, 42, 5174-5177

21

1786 Topological interface modes in graphene multilayer arrays. **2018**, 103, 272-278

28

1785 Unidirectional wave propagation in media with complex principal axes. **2018**, 97,

3

1784 Quasitopological rotational waves in mechanical granular graphene. **2018**, 97,

25

1783 Topology-optimized dual-polarization Dirac cones. **2018**, 97,

13

1782 Fluctuation-induced forces on an atom near a photonic topological material. **2018**, 97,

29

1781 Simulating quantum spin Hall effect in the topological Lieb lattice of a linear circuit network. **2018**, 97,

21

1780 Fermi arcs connect topological degeneracies. **2018**, 359, 995-996

6

1779 Topologically protected bound states in one-dimensional Floquet acoustic waveguide systems. **2018**, 123, 091716

21

1778 Far-field probing of leaky topological states in all-dielectric metasurfaces. **2018**, 9, 909

79

1777 Topological edge states for disordered bosonic systems. **2018**, 59, 031901

15

1776 Topological transitions in continuously deformed photonic crystals. **2018**, 97,

53

1775	Topological photonic orbital-angular-momentum switch. <b>2018</b> , 97,	10
1774	Topological Magnon Modes in Patterned Ferrimagnetic Insulator Thin Films. <b>2018</b> , 18, 3032-3037	20
1773	Importance of Topology in Materials Science. <b>2018</b> , 3-33	1
1772	Nonsymmorphic symmetry-protected topological modes in plasmonic nanoribbon lattices. <b>2018</b> , 97,	12
1771	Nonreciprocal signal routing in an active quantum network. <b>2018</b> , 97,	13
1770	Link between the photonic and electronic topological phases in artificial graphene. <b>2018</b> , 97,	9
1769	Light, the universe and everything ¶ 2 Herculean tasks for quantum cowboys and black diamond skiers. <b>2018</b> , 65, 1261-1308	5
1768	Surface-Wave Pulse Routing around Sharp Right Angles. <b>2018</b> , 9,	7
1767	Topological edge states and impurities: Manifestation in the local static and dynamical characteristics of dimerized quantum chains. <b>2018</b> , 97,	2
1766	Quantum-metric contribution to the pair mass in spin-orbit-coupled Fermi superfluids. <b>2018</b> , 97,	12
1765	Emergent Chiral Spin State in the Mott Phase of a Bosonic Kane-Mele-Hubbard Model. <b>2018</b> , 120, 157201	6
1764	Topological transport of sound mediated by spin-redirected geometric phase. <b>2018</b> , 4, eaaq1475	32
1763	Reconfigurable topological photonic crystal. <b>2018</b> , 20, 023040	56
1762	Acoustic valley edge states in a graphene-like resonator system. <b>2018</b> , 123, 091713	30
1761	Observation of Photonic Topological Valley Hall Edge States. <b>2018</b> , 120, 063902	168
1760	Subwavelength and directional control of flexural waves in zone-folding induced topological plates. <b>2018</b> , 97,	93
1759	Lieb polariton topological insulators. <b>2018</b> , 97,	41
1758	Bulk and edge spin transport in topological magnon insulators. <b>2018</b> , 97,	31

1757	Electrically tunable robust edge states in graphene-based topological photonic crystal slabs. <b>2018</b> , 51, 095108	13
1756	All-dielectric meta-optics and non-linear nanophotonics. <b>2018</b> , 5, 144-158	106
1755	Topological Valley Transport in Two-dimensional Honeycomb Photonic Crystals. <b>2018</b> , 8, 1588	45
1754	An eigenvalue approach to quantum plasmonics based on a self-consistent hydrodynamics method. <b>2018</b> , 30, 084007	3
1753	Topologically-protected one-way leaky waves in nonreciprocal plasmonic structures. <b>2018</b> , 30, 104002	19
1752	Topological photonic crystals with zero Berry curvature. <b>2018</b> , 97,	49
1751	Topological insulator laser: Experiments. <b>2018</b> , 359,	558
1750	High transmission in a metal-based photonic crystal. <b>2018</b> , 112, 013504	8
1749	Steady-state Hall response and quantum geometry of driven-dissipative lattices. <b>2018</b> , 97,	22
1748	A topological quantum optics interface. <b>2018</b> , 359, 666-668	293
1747	When quantum optics meets topology. <b>2018</b> , 359, 638-639	3
1746	Edge states in self-complementary checkerboard photonic crystals: Zak phase, surface impedance, and experimental verification. <b>2018</b> , 97,	5
1745	Topological optical isolator based on polariton graphene. <b>2018</b> , 112, 031106	21
1744	Tunable axial gauge fields in engineered Weyl semimetals: semiclassical analysis and optical lattice implementations. <b>2018</b> , 5, 024001	24
1743	Parity-time symmetric photonics. <b>2018</b> , 5, 183-199	39
1742	Topological invariants for Floquet-Bloch systems with chiral, time-reversal, or particle-hole symmetry. <b>2018</b> , 97,	13
1741	Tuning topological phase transitions in hexagonal photonic lattices made of triangular rods. <b>2018</b> , 97,	19
1740	Weyl and Dirac semimetals in three-dimensional solids. <b>2018</b> , 90,	1759



1739	Unidirectional flow of lossless exciton-polariton signals. <b>2018</b> , 20, 025503	1
1738	Maxwell Lattices and Topological Mechanics. <b>2018</b> , 9, 413-433	58
1737	Localizing softness and stress along loops in 3D topological metamaterials. <b>2018</b> , 115, 489-494	17
1736	Topologically protected elastic waves in one-dimensional phononic crystals of continuous media. <b>2018</b> , 11, 017201	19
1735	Observation of Type I Photonic Weyl Points in Optical Frequencies. <b>2018</b> , 12, 1700271	25
1734	Observation of bulk Fermi arc and polarization half charge from paired exceptional points. <b>2018</b> , 359, 1009-1012	276
1733	Dial-in Topological Metamaterials Based on Bistable Stewart Platform. <b>2018</b> , 8, 112	28
1732	Topological Zak phase in strongly coupled LC circuits. <b>2018</b> , 97,	28
1731	Exploring 4D quantum Hall physics with a 2D topological charge pump. <b>2018</b> , 553, 55-58	181
1730	Breaking the barriers: advances in acoustic functional materials. <b>2018</b> , 5, 159-182	102
1729	Double-Weyl Phonons in Transition-Metal Monosilicides. <b>2018</b> , 120, 016401	124
1728	Valley-controlled propagation of pseudospin states in bulk metacrystal waveguides. <b>2018</b> , 97,	18
1727	Reflective limiters based on self-induced violation of CT symmetry. <b>2018</b> , 97,	4
1726	Chiral magnetic effect of light. <b>2018</b> , 97,	4
1725	Observation of Polarization Vortices in Momentum Space. <b>2018</b> , 120, 186103	92
1724	Topological Plasmonic Chain with Retardation and Radiative Effects. <b>2018</b> , 5, 2271-2279	62
1723	Photonic realization of a transition to a strongly driven Floquet topological phase. <b>2018</b> , 97,	6
1722	Brillouin Light Scattering by Magnetic Quasivortices in Cavity Optomagnonics. <b>2018</b> , 120, 133602	60

1721	Photoinduced Topological Phase Transitions in Topological Magnon Insulators. <b>2018</b> , 8, 4431	18
1720	Coherent generation of photonic fractional quantum Hall states in a cavity and the search for anyonic quasiparticles. <b>2018</b> , 97,	13
1719	Edge-Mode Lasing in 1D Topological Active Arrays. <b>2018</b> , 120, 113901	257
1718	Valley Topological Phases in Bilayer Sonic Crystals. <b>2018</b> , 120, 116802	111
1717	Topological classification of Chern-type insulators by means of the photonic Green function. <b>2018</b> , 97,	16
1716	Spectrum Control through Discrete Frequency Diffraction in the Presence of Photonic Gauge Potentials. <b>2018</b> , 120, 133901	56
1715	Topological Acoustic Delay Line. <b>2018</b> , 9,	97
1714	Topological quantization of energy transport in micro- and nano-mechanical lattices. <b>2018</b> , 97,	13
1713	Topological phases in a Kitaev chain with imbalanced pairing. <b>2018</b> , 97,	44
1712	Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. <b>2018</b> , 4, eaap9861	39
1711	Topological hybrid silicon microlasers. <b>2018</b> , 9, 981	210
1710	Observation of Dirac bands in artificial graphene in small-period nanopatterned GaAs quantum wells. <b>2018</b> , 13, 29-33	31
1709	Topological helical edge states in water waves over a topographical bottom. <b>2018</b> , 20, 023051	10
1708	Multipole plasmons in graphene nanoellipses. <b>2018</b> , 530, 142-146	15
1707	Forward and Backward Waves in Nonlinear Discrete Photonics. <b>2018</b> , 82, 1487-1491	
1706	Topological interface states due to spontaneous symmetry breaking in a chain of anharmonic oscillators. <b>2018</b> , 1092, 012128	
1705	Extended SSH Model: Non-Local Couplings and Non-Monotonous Edge States. <b>2018</b> , 1, 2-16	10
1704	Joint entanglement of topology and polarization enables error-protected quantum registers. <b>2018</b> , 20, 093032	7

1703	A Photonic Topological Insulator Based on a Coupled Plasmonic Nanoparticle Array. <b>2018,</b>	
1702	Experimental Realization of Three-Dimensional All-Dielectric Photonic Topological Insulators. <b>2018,</b>	1
1701	Realization of a magneto-optical near-zero index medium by an unpaired Dirac point. <b>2018, 98,</b>	7
1700	Orbital angular momentum conservation in Brillouin light scattering within a ferromagnetic sphere. <b>2018, 20, 103018</b>	21
1699	Piezoelectric Topological Insulators for Acoustic Waves. <b>2018,</b>	
1698	Group theoretical route to weakly and strongly protected surface states in 2D and 3D photonic crystals. <b>2018,</b>	
1697	No-go theorem for topological insulators and high-throughput identification of Chern insulators. <b>2018, 98,</b>	18
1696	Second-order photonic topological insulator with corner states. <b>2018, 98,</b>	167
1695	Microwave edge modes on a metasurface with glide symmetry. <b>2018, 98,</b>	8
1694	Topological photonic crystal nanocavity laser. <b>2018, 1,</b>	85
1693	Photonic Topological Insulating Phase Induced Solely by Gain and Loss. <b>2018, 121, 213902</b>	104
1692	Edge states in a two-dimensional honeycomb lattice of massive magnetic skyrmions. <b>2018, 98,</b>	21
1691	Fano Resonances in Topological Photonic Systems. <b>2018, 425-443</b>	1
1690	Fano-resonant Excitations of Generalized Optical Spin Waves. <b>2018, 33-55</b>	1
1689	Ring modes supported by concentrated cubic nonlinearity. <b>2018, 98,</b>	3
1688	Higher winding number in a nonunitary photonic quantum walk. <b>2018, 98,</b>	27
1687	Topological interface modes in photonic superlattices containing negative-index materials. <b>2018, 124, 64001</b>	3
1686	Circularly Polarized Topological Edge States Derived From Optical Weyl Points in Semiconductor-Based Chiral Woodpile Photonic Crystals. <b>2018, 87, 123401</b>	8

1685	State-recycling and time-resolved imaging in topological photonic lattices. <b>2018</b> , 9, 4209	27
1684	Real-space probe for lattice quasiholes. <b>2018</b> , 98,	2
1683	Photonic topological phases in dispersive metamaterials. <b>2018</b> , 8, 17881	5
1682	Acoustic Weyl points in a square lattice. <b>2018</b> , 98,	13
1681	Topological one-way fiber of second Chern number. <b>2018</b> , 9, 5384	49
1680	Correlated electrons in a zig-zag chain with the spin-orbit interaction: Exact solution. <b>2018</b> , 44, 1237-1244	1
1679	Floquet topological insulator phase in a Weyl semimetal thin film with disorder. <b>2018</b> , 98,	9
1678	Supersymmetric Polarization Anomaly in Photonic Discrete-Time Quantum Walks. <b>2018</b> , 121, 260501	13
1677	Space Group Theory of Photonic Bands. <b>2018</b> , 121, 263903	18
1676	Simulation of two-boson bound states using arrays of driven-dissipative coupled linear optical resonators. <b>2018</b> , 98,	11
1675	Photonic crystals for nano-light in moiré-graphene superlattices. <b>2018</b> , 362, 1153-1156	164
1674	Topological edge states in Rashba-Dresselhaus spin-orbit-coupled atoms in a Zeeman lattice. <b>2018</b> , 98,	6
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1431	Observation of Edge Waves in a Two-Dimensional Su-Schrieffer-Heeger Acoustic Network. <b>2019</b> , 12,		25
1430	Floquet Chern insulators of light. <b>2019</b> , 10, 4194		20
1429	Few-Mode Geometric Description of a Driven-Dissipative Phase Transition in an Open Quantum System. <b>2019</b> , 123, 110604		7
1428	Corner states of light in photonic waveguides. <i>Nature Photonics</i> , <b>2019</b> , 13, 697-700	33.9	163
1427	Non-Hermitian topology of spontaneous magnon decay. <b>2019</b> , 100,		32
1426	Bulk-edge correspondence and long-range hopping in the topological plasmonic chain. <b>2019</b> , 8, 1337-1347		24
1425	Topologically protected broadband rerouting of propagating waves around complex objects. <b>2019</b> , 8, 1371-1378		7
1424	Nanosystems, Edge Computing, and the Next Generation Computing Systems. <b>2019</b> , 19,		15
1423	Tunable interface state in one dimensional composite photonic structure. <b>2019</b> , 453, 124324		6
1422	Tamm plasmon photonic crystals: From bandgap engineering to defect cavity. <b>2019</b> , 4, 106101		19
1421	Topological Edge State in the Two-Dimensional Stampfli-Triangle Photonic Crystals. <b>2019</b> , 12,		30
1420	Topological lattices lit at the corners. <i>Nature Photonics</i> , <b>2019</b> , 13, 660-662	33.9	3
1419	Topological strong-field physics on sub-laser-cycle timescale. <i>Nature Photonics</i> , <b>2019</b> , 13, 849-854	33.9	64
1418	Violation of bilocality in quantum networks. <i>Nature Photonics</i> , <b>2019</b> , 13, 662-663	33.9	2
1417	Quantized angular momentum in topological optical systems. <b>2019</b> , 10, 349		9
1416	Topological states in amorphous magnetic photonic lattices. <b>2019</b> , 99,		19

1415	Integrating microsystems with metamaterials towards metadevices. <b>2019</b> , 5, 5	26
1414	Bulk-boundary correspondence in a non-Hermitian system in one dimension with chiral inversion symmetry. <b>2019</b> , 99,	174
1413	On-Chip Detection of Optical Spin-Orbit Interactions in Plasmonic Nanocircuits. <b>2019</b> , 19, 1166-1171	34
1412	Topological unification of time-reversal and particle-hole symmetries in non-Hermitian physics. <b>2019</b> , 10, 297	129
1411	Symmetry-protected nodal phases in non-Hermitian systems. <b>2019</b> , 99,	126
1410	Experimental demonstration of angular momentum-dependent topological transport using a transmission line network. <b>2019</b> , 10, 434	8
1409	Near-field imaging of spin-locked edge states in all-dielectric topological metasurfaces. <b>2019</b> , 114, 031103	29
1408	Intelligent nanophotonics: merging photonics and artificial intelligence at the nanoscale. <b>2019</b> , 8, 339-366	138
1407	Calculated magnetic exchange interactions in the Dirac magnon material Cu <sub>3</sub> TeO <sub>6</sub> . <b>2019</b> , 99,	7
1406	Twist-projected two-dimensional acoustic topological insulators. <b>2019</b> , 99,	5
1405	Photonic quadrupole topological phases. <i>Nature Photonics</i> , <b>2019</b> , 13, 692-696	33.9 180
1404	Unidirectional and diffractionless surface plasmon polaritons on three-dimensional nonreciprocal plasmonic platforms. <b>2019</b> , 99,	22
1403	Subwavelength multiple topological interface states in one-dimensional labyrinthine acoustic metamaterials. <b>2019</b> , 99,	24
1402	Edge solitons in a nonlinear mechanical topological insulator. <b>2019</b> , 30, 100487	10
1401	Geometric Phases for Classical and Quantum Dynamics: Hannay Angle and Berry Phase for Loops on a Torus. <b>2019</b> , 58, 2859-2871	1
1400	Chern insulators for electromagnetic waves in electrical circuit networks. <b>2019</b> , 99,	15
1399	Non-Hermitian systems and topology: A transfer-matrix perspective. <b>2019</b> , 99,	80
1398	Topological Insulator: Surface Localized States. <b>2019</b> , 32, 1327-1331	

1397	Zone folding induced tunable topological interface states in one-dimensional phononic crystal plates. <b>2019</b> , 383, 2797-2801	14
1396	Universal driving protocol for symmetry-protected Floquet topological phases. <b>2019</b> , 99,	11
1395	Ultra-narrow unidirectional transmission filter assisted by topological interface state in one-dimensional photonic crystal heterostructure. <b>2019</b> , 48, 393-399	5
1394	Topological Phase Transition in non-Hermitian Quasicrystals. <b>2019</b> , 122, 237601	112
1393	Visualization of Higher-Order Topological Insulating Phases in Two-Dimensional Dielectric Photonic Crystals. <b>2019</b> , 122, 233903	165
1392	Topological Insulators by Topology Optimization. <b>2019</b> , 122, 234502	47
1391	Two-dimensional photonic crystals for engineering atom-light interactions. <b>2019</b> , 116, 12743-12751	27
1390	Non-Hermitian higher-order topological states in nonreciprocal and reciprocal systems with their electric-circuit realization. <b>2019</b> , 99,	70
1389	Defining a bulk-edge correspondence for non-Hermitian Hamiltonians via singular-value decomposition. <b>2019</b> , 99,	85
1388	Floquet topological phase transition in the $\mathbb{Z}_3$ lattice. <b>2019</b> , 99,	22
1387	Observation of a Topological Edge State in the X-ray Band. <b>2019</b> , 13, 1800339	19
1386	Bloch oscillations of topological edge modes. <b>2019</b> , 99,	3
1385	Switchable and unidirectional plasmonic beacons in hyperbolic two-dimensional materials. <b>2019</b> , 99,	15
1384	Peculiar electronic states, symmetries, and Berry phases in irradiated $\mathbb{Z}_3$ materials. <b>2019</b> , 99,	23
1383	Topological Axion States in the Magnetic Insulator $\text{MnBi}_{2}\text{Te}_{4}$ with the Quantized Magnetoelectric Effect. <b>2019</b> , 122, 206401	277
1382	Observing vortex polarization singularities at optical band degeneracies. <b>2019</b> , 99,	14
1381	Topological plasmonic modes in graphene-coated nanowire arrays. <b>2019</b> , 51, 1	16
1380	Backscattering-Immune Computing of Spatial Differentiation by Nonreciprocal Plasmonics. <b>2019</b> , 11,	16

1379	Photonic Jackiw-Rebbi states in all-dielectric structures controlled by bianisotropy. <b>2019</b> , 99,	14
1378	Non-Hermitian Sonic Second-Order Topological Insulator. <b>2019</b> , 122, 195501	81
1377	Topological edge modeling and localization of protected interface modes in 1D phononic crystals for longitudinal and bending elastic waves. <b>2019</b> , 159, 359-372	49
1376	Photonic spin-controlled generation and transformation of 3D optical polarization topologies enabled by all-dielectric metasurfaces. <b>2019</b> , 11, 10646-10654	14
1375	Inverse design of photonic topological state via machine learning. <b>2019</b> , 114, 181105	58
1374	Topological plasmonic edge states in a planar array of metallic nanoparticles. <b>2019</b> , 8, 799-806	18
1373	GaAs valley photonic crystal waveguide with light-emitting InAs quantum dots. <b>2019</b> , 12, 062005	18
1372	Topologically protected edge states in mechanical metamaterials. <b>2019</b> , 52, 147-181	3
1371	Phononic Weyl points and one-way topologically protected nontrivial phononic surface arc states in noncentrosymmetric WC-type materials. <b>2019</b> , 99,	22
1370	Direct Observation of Topology from Single-Photon Dynamics. <b>2019</b> , 122, 193903	45
1369	Designing photonic topological insulators with quantum-spin-Hall edge states using topology optimization. <b>2019</b> , 8, 1363-1369	23
1368	Nonreciprocal acoustic transmission in cascaded resonators via spatiotemporal modulation. <b>2019</b> , 99,	17
1367	Band structure engineering and reconstruction in electric circuit networks. <b>2019</b> , 99,	58
1366	Knotted non-Hermitian metals. <b>2019</b> , 99,	58
1365	Proceedings of the 5th International Conference on Applications in Nonlinear Dynamics. <b>2019</b> ,	
1364	Pseudospin-1 Systems as a New Frontier for Research on Relativistic Quantum Chaos. <b>2019</b> , 119-131	
1363	Singularities and Poincaré Indices of Electromagnetic Multipoles. <b>2019</b> , 122, 153907	40
1362	Observation of Anomalous $\Gamma$ Modes in Photonic Floquet Engineering. <b>2019</b> , 122, 173901	39

1361	Inverse Design of Photonic Topological Insulators with Extra-Wide Bandgaps. <b>2019</b> , 13, 1900175	13
1360	Tunable Weyl fermions and Fermi arcs in magnetized topological crystalline insulators. <b>2019</b> , 28, 047301	4
1359	Pseudo-topological property of Julia fractal vector optical fields. <b>2019</b> , 27, 13263-13279	2
1358	Light-Directed Soft Mass Migration for Micro/Nanophotonics. <b>2019</b> , 7, 1900074	22
1357	Synthetic spin-orbit coupling and topological polaritons in Janey's Cummings lattices. <b>2019</b> , 5,	4
1356	Symmetry protected topological phases characterized by isolated exceptional points. <b>2019</b> , 99,	32
1355	Nonreciprocal sound propagation in space-time modulated media. <b>2019</b> , 99,	28
1354	Lasing at topological edge states in a photonic crystal L3 nanocavity dimer array. <b>2019</b> , 8, 40	48
1353	Topological band evolution between Lieb and kagome lattices. <b>2019</b> , 99,	36
1352	Probing the Band Structure of Topological Silicon Photonic Lattices in the Visible Spectrum. <b>2019</b> , 122, 117401	56
1351	Topological Protection Can Arise from Thermal Fluctuations and Interactions. <b>2019</b> , 122, 118001	4
1350	Analytic theory of an edge mode between impedance surfaces. <b>2019</b> , 99,	10
1349	Photonic Floquet topological insulators with fluctuations and disorders. <b>2019</b> , 99,	1
1348	Topological photonics. <b>2019</b> , 91,	1070
1347	Second-order topology and multidimensional topological transitions in sonic crystals. <b>2019</b> , 15, 582-588	170
1346	Programmable elastic valley Hall insulator with tunable interface propagation routes. <b>2019</b> , 28, 76-80	36
1345	Antichiral edge states in an exciton polariton strip. <b>2019</b> , 99,	23
1344	PC-symmetry-protected edge states in interacting driven-dissipative bosonic systems. <b>2019</b> , 99,	6

1343	Surface states ensured by a synthetic Weyl point in one-dimensional plasmonic dielectric crystals with broken inversion symmetry. <b>2019</b> , 99,	5
1342	Photonic Gauge Potential in One Cavity with Synthetic Frequency and Orbital Angular Momentum Dimensions. <b>2019</b> , 122, 083903	27
1341	Proof of the Bulk-Edge Correspondence through a Link between Topological Photonics and Fluctuation-Electrodynamics. <b>2019</b> , 9,	22
1340	A perspective on topological nanophotonics: Current status and future challenges. <b>2019</b> , 125, 120901	58
1339	Topologically Protected Twist Edge States for a Resonant Mechanical Laser-Beam Scanner. <b>2019</b> , 11,	11
1338	Interactions, topology and photonic properties of liquid crystal colloids and dispersions. <b>2019</b> , 227, 2455-2485	9
1337	Design of GaAs-based valley phononic crystals with multiple complete phononic bandgaps at ultra-high frequency. <b>2019</b> , 12, 047001	5
1336	Topological insulators in longitudinally driven waveguides: Lieb and kagome lattices. <b>2019</b> , 99,	16
1335	Quantum valley Hall effects and spin-valley locking in topological Kane-Mele circuit networks. <b>2019</b> , 99,	22
1334	Topologically enhanced harmonic generation in a nonlinear transmission line metamaterial. <b>2019</b> , 10, 1102	59
1333	Spectrotemporal shaping of itinerant photons via distributed nanomechanics. <i>Nature Photonics</i> , <b>2019</b> , 13, 323-327	33-9 14
1332	Parity-time symmetry and exceptional points in photonics. <b>2019</b> , 18, 783-798	414
1331	All-dielectric metasurfaces with trapped modes: Group-theoretical description. <b>2019</b> , 125, 143101	27
1330	Hidden order in quantum many-body dynamics of driven-dissipative nonlinear photonic lattices. <b>2019</b> , 99,	7
1329	Photonic topological phase transition on demand. <b>2019</b> , 8, 1349-1356	11
1328	Vortex index identification and unidirectional propagation in Kagome photonic crystals. <b>2019</b> , 8, 833-840	10
1327	Topological theory of non-Hermitian photonic systems. <b>2019</b> , 99,	19
1326	Transport tuning of photonic topological edge states by optical cavities. <b>2019</b> , 99,	14

1325	Topological quantum matter in synthetic dimensions. <b>2019</b> , 1, 349-357	100
1324	Fabrication of chiral channel in three-dimensional photonic crystal using projection microstereolithography. <b>2019</b> , 185, 1045-1050	1
1323	A silicon-on-insulator slab for topological valley transport. <b>2019</b> , 10, 872	171
1322	The nontrivial topological phases of a one-dimensional non-Hermitian dimerized lattice with spin-orbit coupling and Zeeman field. <b>2019</b> , 110, 68-73	2
1321	Topological thermal Hall effect driven by spin-chirality fluctuations in frustrated antiferromagnets. <b>2019</b> , 99,	9
1320	Topological phases in acoustic and mechanical systems. <b>2019</b> , 1, 281-294	219
1319	Second-Order Topological Phases in Non-Hermitian Systems. <b>2019</b> , 122, 076801	186
1318	Singularity induced topological transition of different dimensions in one synthetic photonic system. <b>2019</b> , 440, 32-40	2
1317	Phononic topological insulators based on six-petal holey silicon structures. <b>2019</b> , 9, 1805	8
1316	. <b>2019</b> ,	
1315	Peculiarities of Wave Surface of a SemiconductorDielectric Metamaterial. <b>2019</b> ,	
1314	Future of Electromagnetic Education. <b>2019</b> ,	
1313	Drift-induced Nonreciprocal Graphene Plasmonics. <b>2019</b> ,	
1312	External Magnetic Field Induced Conical Singularities in the Isofrequency Surface of a Ferrite-semiconductor Metamaterial. <b>2019</b> ,	
1311	Efficient Characterization of Topological Photonics Using the Broadband Green's Function. <b>2019</b> ,	0
1310	Robust and High-Capacity Phononic Communications through Topological Edge States by Discrete Degree-of-Freedom Multiplexing. <b>2019</b> , 12,	17
1309	Anomalous Topological Active Matter. <b>2019</b> , 123, 205502	18
1308	Supersymmetric Transformations of Photonic Topological Systems. <b>2019</b> ,	



1307	Bulk Mode Resonances in Floquet Topological Insulators Based on Coupled Microring Resonator Lattices. <b>2019,</b>	
1306	Quantum Interference of Topologically Protected Photonic States in a Laser-Written Waveguide Array. <b>2019,</b>	
1305	Nonlinear topological transitions over a metasurface. <b>2019, 100,</b>	2
1304	Coupling of Edge States and Topological Bragg Solitons. <b>2019, 123, 254103</b>	19
1303	Underwater acoustic metamaterial based on double Dirac cone characteristics in rectangular phononic crystals. <b>2019, 28, 124301</b>	3
1302	Voigt Exceptional Points in an Anisotropic ZnO-Based Planar Microcavity: Square-Root Topology, Polarization Vortices, and Circularity. <b>2019, 123, 227401</b>	16
1301	Synthetic Weyl points with various planar symmetries in phononic crystals. <b>2019, 126, 205107</b>	
1300	Topological order in densely packed anisotropic colloids. <b>2019, 100, 032608</b>	2
1299	One-Way Reflection-Free Exciton-Polariton Spin-Filtering Channel. <b>2019, 12,</b>	4
1298	Dimensional hierarchy of higher-order topology in three-dimensional sonic crystals. <b>2019, 10, 5331</b>	48
1297	Double Dirac cones in two-dimensional photonic crystals with C6 symmetry. <b>2019, 66, 2119-2130</b>	2
1296	Topoelectrical circuit octupole insulator with topologically protected corner states. <b>2019, 100,</b>	48
1295	Topological Phases of Polaritons in a Cavity Waveguide. <b>2019, 123, 217401</b>	20
1294	Defect-position-dependent $\mathcal{PT}$ -symmetry breaking in coupled Su-Schrieffer-Beecher chains. <b>2019, 16, 125203</b>	0
1293	Multiple One-Way Edge States From Reciprocal Continuous Media. <b>2019, 12,</b>	1
1292	Suppression of Coherence Collapse in Semiconductor Fano Lasers. <b>2019, 123, 233904</b>	9
1291	Localization, Topology, and Quantized Transport in Disordered Floquet Systems. <b>2019, 123, 266601</b>	6
1290	Enhanced Transmission in Non-Hermitian One-Dimensional Photonic Crystals Under the Band Inversion. <b>2019,</b>	

- 1289 From transformation optics to topology: local and global methods for material design. **2019**,
- 1288 Floquet topological insulator laser. **2019**, 4, 126101 11
- 1287 Photonic emulation of two-dimensional materials with antiferromagnetic order. **2019**, 100, 2
- 1286 Parity-Time Symmetry in Non-Hermitian Complex Optical Media. **2020**, 32, e1903639 29
- 1285 Topologically enabled ultrahigh-Q guided resonances robust to out-of-plane scattering. **2019**, 574, 501-504 149
- 1284 Photonic topological semimetals in bianisotropic metamaterials. **2019**, 9, 18312 5
- 1283 Overcoming the efficiency-bandwidth tradeoff for optical harmonics generation using nonlinear time-variant resonators. **2019**, 100, 6
- 1282 Bound states, reflection, and topology. **2019**,
- 1281 Towards Vibrational Waves Via High-order Topological Invariants in Mechanical Structures. **2019**,
- 1280 Topological phase transition in mechanical honeycomb lattice. **2019**, 122, 54-68 56
- 1279 Sharp Fano Resonance and Spectral Collapse in Stimuli-Responsive Photonic Structures. **2019**, 7, 1801206 4
- 1278 Bloch theory-based gradient recovery method for computing topological edge modes in photonic graphene. **2019**, 379, 403-420 7
- 1277 Observation of higher-order topological acoustic states protected by generalized chiral symmetry. **2019**, 18, 113-120 264
- 1276 Lasing at K Points of a Honeycomb Plasmonic Lattice. **2019**, 122, 013901 41
- 1275 Robust and compact waveguides. **2019**, 14, 8-9 5
- 1274 Subwavelength Artificial Structures: Opening a New Era for Engineering Optics. **2019**, 31, e1804680 110
- 1273 Experimental Demonstration of Acoustic Chern Insulators. **2019**, 122, 014302 113
- 1272 Observation of chiral zero mode in inhomogeneous three-dimensional Weyl metamaterials. **2019**, 363, 148-151 71

1271	Flexible Multifunctional Sensors for Wearable and Robotic Applications. <b>2019</b> , 4, 1800626	122
1270	Strong coupling of topological edge states enabling group-dispersionless slow light in magneto-optical photonic crystals. <b>2019</b> , 99,	18
1269	Topological Fano Resonances. <b>2019</b> , 122, 014301	77
1268	Observation of twist-induced geometric phases and inhibition of optical tunneling via Aharonov-Bohm effects. <b>2019</b> , 5, eaau8135	4
1267	Irreversible Hysteresis of Internal Structure of Tangle Dissipative Optical Solitons. <b>2019</b> , 122, 023903	16
1266	Multipolar edge states in the anisotropic kagome antiferromagnet. <b>2019</b> , 99,	2
1265	Topological marker currents in Chern insulators. <b>2019</b> , 15, 257-261	19
1264	Realization of a three-dimensional photonic topological insulator. <b>2019</b> , 565, 622-626	148
1263	From graphene to fullerene: experiments with microwave photonic crystals. <b>2019</b> , 94, 014002	13
1262	Electronically programmable photonic molecule. <i>Nature Photonics</i> , <b>2019</b> , 13, 36-40	33.9 77
1261	Topological Nanophotonics: Toward Robust Quantum Circuits. <b>2020</b> , 108, 837-849	6
1260	Topological edge states in phononic plates with embedded acoustic black holes. <b>2020</b> , 466, 115060	22
1259	Holographic fabrication of octagon graded photonic supercrystal and potential applications in topological photonics. <b>2020</b> , 13, 12-17	5
1258	Ultra-subwavelength focusing and giant magnetic-field enhancement in a low-loss one-way waveguide based on remanence. <b>2020</b> , 22, 025003	4
1257	Acoustic topological devices based on emulating and multiplexing of pseudospin and valley indices. <b>2020</b> , 22, 013016	6
1256	Voltage-controlled quantum valley Hall effect in dielectric membrane-type acoustic metamaterials. <b>2020</b> , 172, 105368	32
1255	Chiral Coupling of Valley Excitons and Light through Photonic SpinOrbit Interactions. <b>2020</b> , 8, 1901233	24
1254	A high-performance topological bulk laser based on band-inversion-induced reflection. <b>2020</b> , 15, 67-72	94

1253	Equivariant PT-symmetric real Chern insulators. <b>2020</b> , 15, 1	4
1252	One-way rotating state of multi-periodicity frequency bands in circular photonic crystal. <b>2020</b> , 53, 075104	15
1251	Hermitian formulation of multiple scattering induced topological phases in metamaterial crystals. <b>2020</b> , 102,	0
1250	APS Medal for Exceptional Achievement in Research: Topology and other tools in condensed matter physics*. <b>2020</b> , 92,	0
1249	Nonreciprocal photonic topological order driven by uniform optical pumping. <b>2020</b> , 102,	5
1248	Corner states and topological transitions in two-dimensional higher-order topological sonic crystals with inversion symmetry. <b>2020</b> , 102,	9
1247	Dirac-vortex topological cavities. <b>2020</b> , 15, 1012-1018	33
1246	Topological states in arrays of optical waveguides engineered via mode interference. <b>2020</b> , 102,	3
1245	Moiré pattern of a spin liquid and a Nèl magnet in the Kitaev model. <b>2020</b> , 102,	0
1244	Propagation of light through an amplifying honeycomb photonic lattice. <b>2020</b> , 102,	
1243	Topological mechanical metamaterials: A brief review. <b>2020</b> , 24, 100853	14
1242	Recent advances in 2D, 3D and higher-order topological photonics. <b>2020</b> , 9, 130	82
1241	Topological Insulator Antenna Arrays. <b>2020</b> , 7, 2244-2251	7
1240	Continuous topological transition from metal to dielectric. <b>2020</b> , 117, 16739-16742	2
1239	Nontrivial topological phase with a zero Chern number. <b>2020</b> , 102,	1
1238	Plasmons in two-dimensional lattices of near-field coupled nanoparticles. <b>2020</b> , 102,	6
1237	Tuning the chiral edge states and unidirectional transmission by surface morphology of gyromagnetic photonic crystal. <b>2020</b> , 22, 095101	0
1236	PT-Symmetric Topological Edge-Gain Effect. <b>2020</b> , 125, 033603	14

1235	Interaction-induced topological states of photon pairs. <b>2020</b> , 102,	6
1234	Information-Efficient Metagrating for Transverse-Position Metrology. <b>2020</b> , 14,	3
1233	Vector Topological Edge Solitons in Floquet Insulators. <b>2020</b> , 7, 735-745	18
1232	High-degeneracy points protected by site-permutation symmetries. <b>2020</b> , 101,	9
1231	Topological charge of finite-size photonic crystal modes. <b>2020</b> , 102,	3
1230	Reconfigurable Floquet elastodynamic topological insulator based on synthetic angular momentum bias. <b>2020</b> , 6, eaba8656	22
1229	Topoelectrical circuit realization of a Weyl semimetal heterojunction. <b>2020</b> , 3,	10
1228	Topology-Controlled Photonic Cavity Based on the Near-Conservation of the Valley Degree of Freedom. <b>2020</b> , 125, 213902	8
1227	Trends in Quantum Optics. <b>2020</b> , 25, 1559-1577	
1226	Indium antimonide Constraints on practicality as a magneto-optical platform for topological surface plasmon polaritons. <b>2020</b> , 128, 183101	4
1225	Quantum Electrodynamical Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. <b>2020</b> , 10,	29
1224	Nonlinear edge modes in a honeycomb electrical lattice near the Dirac points. <b>2020</b> , 384, 126664	1
1223	Plasmonic Nonreciprocity Driven by Band Hybridization in Moiré Materials. <b>2020</b> , 125, 066801	8
1222	Non-Abelian braiding of Majorana-like edge states and topological quantum computations in electric circuits. <b>2020</b> , 102,	8
1221	Achieving asymmetry and trapping in diffusion with spatiotemporal metamaterials. <b>2020</b> , 11, 3733	22
1220	Edge modes in two-dimensional electromagnetic slab waveguides: Analogs of acoustic plasmons. <b>2020</b> , 102,	10
1219	Advances on topological materials. <b>2020</b> , 15, 1	4
1218	Photonic amorphous topological insulator. <b>2020</b> , 9, 133	20

1217	Topological Insulator Laser Using Valley-Hall Photonic Crystals. <b>2020</b> , 7, 2089-2097	35
1216	In-Plane Second-Order Topologically Protected States in Elastic Kagome Lattices. <b>2020</b> , 14,	13
1215	Higher-order quantum spin Hall effect in a photonic crystal. <b>2020</b> , 11, 3768	50
1214	Generation and Annihilation of Topologically Protected Bound States in the Continuum and Circularly Polarized States by Symmetry Breaking. <b>2020</b> , 125, 053902	22
1213	Nonlocal effects and enhanced nonreciprocity in current-driven graphene systems. <b>2020</b> , 102,	15
1212	Diagnosis of bulk phase diagram of nonreciprocal topological lattices by impurity modes. <b>2020</b> , 102,	2
1211	Non-Hermitian tuned topological band gap. <b>2020</b> , 421, 168280	2
1210	Multidimensional synthetic chiral-tube lattices via nonlinear frequency conversion. <b>2020</b> , 9, 132	14
1209	Topological Bose-Mott insulators in one-dimensional non-Hermitian superlattices. <b>2020</b> , 102,	14
1208	Topological Edge Modes in Non-Hermitian Photonic Aharonov-Bohm Cages. <b>2020</b> , 26, 1-8	19
1207	Chiral Symmetry Breaking of Tight-Binding Models in Coupled Acoustic-Cavity Systems. <b>2020</b> , 14,	9
1206	Nonlinear states and dynamics in a synthetic frequency dimension. <b>2020</b> , 102,	6
1205	Nonconservation of Topological Charge and Cusps in a One-Dimensional Laser Scheme. <b>2020</b> , 125, 193901	2
1204	Viscous Maxwell-Chern-Simons theory for topological electromagnetic phases of matter. <b>2020</b> , 102,	1
1203	Great chiral fluorescence from the optical duality of silver nanostructures enabled by 3D laser printing. <b>2020</b> , 7, 3201-3208	3
1202	Z <sub>2</sub> -projective translational symmetry protected topological phases. <b>2020</b> , 102,	6
1201	Transport study of the wormhole effect in three-dimensional topological insulators. <b>2020</b> , 102,	1
1200	Reliable and Tunable Elastic Interface States in Soft Metamaterials. <b>2020</b> , 14, 2000338	5

1199	Energy Band Attraction Effect in Non-Hermitian Systems. <b>2020</b> , 125, 137703	3
1198	Vectorial light-matter interaction: Exploring spatially structured complex light fields. <b>2020</b> , 2, 031702	32
1197	Editorial: Topological Soft Matter. <b>2020</b> , 8,	
1196	Experimental observation of the acoustic Z2 Weyl semimetallic phase in synthetic dimensions. <b>2020</b> , 102,	4
1195	Unveiling Chiral Phase Evolution in Rabi Oscillations from a Photonic Setting. <b>2020</b> , 125, 123201	0
1194	Boundary-dependent corner states in topological acoustic resonator array. <b>2020</b> , 117, 113501	2
1193	Nonreciprocal Transport of Exciton Polaritons in a Non-Hermitian Chain. <b>2020</b> , 125, 123902	14
1192	Non-Hermitian CT-Symmetric Spectral Protection of Nonlinear Defect Modes. <b>2020</b> , 125, 113901	5
1191	A nonsymmorphic-symmetry-protected hourglass Weyl node, hybrid Weyl node, nodal surface, and Dirac nodal line in PdX (X = S, Se) compounds. <b>2020</b> , 22, 22399-22407	7
1190	Topoelectrical-circuit realization of a four-dimensional hexadecapole insulator. <b>2020</b> , 102,	14
1189	Nontrivial coupling of light into a defect: the interplay of nonlinearity and topology. <b>2020</b> , 9, 147	29
1188	Topological split-ring resonator based metamaterials with PT symmetry relying on gain and loss. <b>2020</b> , 102,	
1187	First principles calculation of topological invariants of non-Hermitian photonic crystals. <b>2020</b> , 3,	6
1186	Frequency range dependent topological phases and photonic detouring in valley photonic crystals. <b>2020</b> , 102,	7
1185	Special Issue on "Topological photonics and beyond: novel concepts and recent advances". <b>2020</b> , 9, 203	4
1184	Current Modulation of Plasmonic Nanolasers by Breaking Reciprocity on Hybrid Graphene-Insulator-Metal Platforms. <b>2020</b> , 7, 2001823	8
1183	Topologically Protected Strong Coupling and Entanglement Between Distant Quantum Emitters. <b>2020</b> , 14,	2
1182	Helical Higher-Order Topological States in an Acoustic Crystalline Insulator. <b>2020</b> , 125, 255502	7

1181	Microstructure and domain engineering of lithium niobate crystal films for integrated photonic applications. <b>2020</b> , 9, 197	25
1180	Topological materials by molecular beam epitaxy. <b>2020</b> , 128, 210902	12
1179	Phase-Transition Optical Activity in Chiral Metamaterials. <b>2020</b> , 125, 237401	3
1178	Ultrasensitive Surface Refractive Index Imaging Based on Quasi-Bound States in the Continuum. <b>2020</b> , 14, 15417-15427	29
1177	Nonlinearity-induced photonic topological insulator. <b>2020</b> , 370, 701-704	57
1176	Coherent Interactions in One-Dimensional Topological Photonic Systems and Their Applications in All-Optical Logic Operation. <b>2020</b> , 20, 8796-8802	4
1175	Wireless power transfer through asymmetric topological edge states in diatomic chains of coupled meta-atoms. <b>2020</b> , 117, 134106	8
1174	Continuum Schroedinger Operators for Sharply Terminated Graphene-Like Structures. <b>2020</b> , 380, 853-945	2
1173	Double Gyroids for Frequency-Isolated Weyl Points in the Visible Regime and Interference Lithographic Design. <b>2020</b> , 7, 1577-1585	7
1172	Quantum Hall phase and chiral edge states simulated by a coupled dipole method. <b>2020</b> , 101,	3
1171	Dirac Operators and Domain Walls. <b>2020</b> , 52, 1115-1145	3
1170	Acoustic Realization of Quadrupole Topological Insulators. <b>2020</b> , 124, 206601	45
1169	4D spinless topological insulator in a periodic electric circuit. <b>2020</b> , 7, 1288-1295	24
1168	Topological Gaseous Plasmon Polariton in Realistic Plasma. <b>2020</b> , 124, 195001	14
1167	Antichiral one-way edge states in a gyromagnetic photonic crystal. <b>2020</b> , 101,	12
1166	Pseudospin induced topological corner state at intersecting sonic lattices. <b>2020</b> , 101,	12
1165	Correlated plasmons in the topological insulator Bi <sub>2</sub> Se <sub>3</sub> induced by long-range electron correlations. <b>2020</b> , 12,	4
1164	Structured Light: Ideas and Concepts. <b>2020</b> , 8,	20



1163	Near-field mapping of the edge mode of a topological valley slab waveguide at $\epsilon = 1.55$ . <b>2020</b> , 116, 191105	6
1162	Robust high-Q filter with complete transmission by conjugated topological photonic crystals. <b>2020</b> , 10, 7040	9
1161	Engineering coupling in electromagnetic topological models via staggered bianisotropy. <b>2020</b> , 1461, 012053	
1160	Observation of Floquet solitons in a topological bandgap. <b>2020</b> , 368, 856-859	82
1159	Robust Multiplexing with Topoelectrical Higher-Order Chern Insulators. <b>2020</b> , 13,	6
1158	Cavity Quantum Electrodynamics with Second-Order Topological Corner State. <b>2020</b> , 14, 1900425	31
1157	Robust waveguiding in substrate-integrated topological photonic crystals. <b>2020</b> , 116, 231106	7
1156	Dynamically tunable angular optical transparency induced by photonic topological transition in graphene-based hyperbolic metamaterials. <b>2020</b> , 107, 110074	1
1155	Probing chiral edge dynamics and bulk topology of a synthetic Hall system. <b>2020</b> , 16, 1017-1021	20
1154	Topological Valley Hall Edge State Lasing. <b>2020</b> , 14, 2000001	25
1153	Metamaterial topological insulator in visible light band. <b>2020</b> , 593, 412334	
1152	Optical Fourier surfaces. <b>2020</b> , 582, 506-510	36
1151	Extended SSH Model in Non-Hermitian Waveguides with Alternating Real and Imaginary Couplings. <b>2020</b> , 10, 3425	14
1150	Symmetry-controlled edge states in graphene-like topological sonic crystal. <b>2020</b> , 29, 104302	0
1149	Origin of robust exceptional points: Restricted bulk zero mode. <b>2020</b> , 101,	2
1148	Variation of Topological Edge States of 2D Honeycomb Lattice Photonic Crystals. <b>2020</b> , 14, 2000202	12
1147	Topological Field Theory Far from Equilibrium. <b>2020</b> , 124, 240404	7
1146	Line Singularities and Hopf Indices of Electromagnetic Multipoles. <b>2020</b> , 14, 2000049	11

1145	Global Mie Scattering: Polarization Morphologies and the Underlying Topological Invariant. <b>2020</b> , 5, 14157-14163	63
1144	Nonlinear topological photonics. <b>2020</b> , 7, 021306	147
1143	Topological Anderson insulators in two-dimensional non-Hermitian disordered systems. <b>2020</b> , 101,	18
1142	Frame-indifference of cross products, rotations, and the permutation tensor. <b>2020</b> , 10, 116-119	1
1141	Weyl points and topological surface states in a three-dimensional sandwich-type elastic lattice. <b>2020</b> , 22, 083001	5
1140	Topological state engineering via supersymmetric transformations. <b>2020</b> , 3,	11
1139	Many-body approach to non-Hermitian physics in fermionic systems. <b>2020</b> , 101,	25
1138	Microwave Realization of the Chiral Orthogonal, Unitary, and Symplectic Ensembles. <b>2020</b> , 124, 116801	7
1137	Topological edge states of interacting photon pairs emulated in a topoelectrical circuit. <b>2020</b> , 11, 1436	37
1136	Topological magnon bands in a room-temperature kagome magnet. <b>2020</b> , 101,	14
1135	High-frequency exciton-polariton clock generator. <b>2020</b> , 101,	2
1134	Metamaterials for Enhanced Optical Responses and their Application to Active Control of Terahertz Waves. <b>2020</b> , 32, e2000250	23
1133	Diffractive dipolar coupling in non-Bravais plasmonic lattices. <b>2020</b> , 2, 1261-1268	10
1132	Dirac Magnons in a Honeycomb Lattice Quantum XY Magnet CoTiO <sub>3</sub> . <b>2020</b> , 10,	18
1131	Nature of topological protection in photonic spin and valley Hall insulators. <b>2020</b> , 101,	18
1130	Scattering of electromagnetic waves by an aggregate of gyromagnetic and dielectric spheres: Magnetic tuning of Fano resonances. <b>2020</b> , 101,	1
1129	Direct observation of topological edge states in silicon photonic crystals: Spin, dispersion, and chiral routing. <b>2020</b> , 6, eaaw4137	51
1128	Dynamics and transport properties of Floquet topological edge modes in coupled photonic waveguides. <b>2020</b> , 101,	3

1127	Fermionic time-reversal symmetry in a photonic topological insulator. <b>2020</b> , 19, 855-860	10
1126	Dynamics and topology of non-Hermitian elastic lattices with non-local feedback control interactions. <b>2020</b> , 22, 053004	24
1125	Edge states and topological pumping in stiffness-modulated elastic plates. <b>2020</b> , 101,	19
1124	Topological theory for perfect metasurface isolators. <b>2020</b> , 101,	2
1123	Engineering Metal-sp Dirac Bands on the Oxidized SiC Surface. <b>2020</b> , 20, 3956-3962	4
1122	Wideband tunable infrared topological plasmon polaritons in dimerized chains of doped-silicon nanoparticles. <b>2020</b> , 127, 073106	8
1121	Dissipative time crystal in an asymmetric nonlinear photonic dimer. <b>2020</b> , 101,	17
1120	Valley-Hall Topological Plasmons in a Graphene Nanohole Plasmonic Crystal Waveguide. <b>2020</b> , 26, 1-8	13
1119	Bosonic Dirac materials on a honeycomb antiferromagnetic Ising model. <b>2020</b> , 505, 166743	1
1118	Experimental demonstration of acoustic semimetal with topologically charged nodal surface. <b>2020</b> , 6, eaav2360	24
1117	Conical dispersions induced interface states in two-dimensional photonic crystals. <b>2020</b> , 129, 34001	
1116	Twisted Quadrupole Topological Photonic Crystals. <b>2020</b> , 14, 2000010	16
1115	Low-threshold topological nanolasers based on the second-order corner state. <b>2020</b> , 9, 109	69
1114	Experimental realization of a reconfigurable electroacoustic topological insulator. <b>2020</b> , 117, 16138-16142	20
1113	Topological Phase Transition in the Non-Hermitian Coupled Resonator Array. <b>2020</b> , 125, 013902	10
1112	Spin-Momentum-Locked Edge Mode for Topological Vortex Lasing. <b>2020</b> , 125, 013903	40
1111	Topological Corner Modes in Graphene-Coated Nanowire Waveguide. <b>2020</b> , 10, 4027	
1110	Edge-following topological states. <b>2020</b> , 156, 103796	5

1109	Anomalous quadrupole topological insulators in two-dimensional nonsymmorphic sonic crystals. <b>2020</b> , 102,	6
1108	Lasing at Multidimensional Topological States in a Two-Dimensional Photonic Crystal Structure. <b>2020</b> , 7, 2027-2036	21
1107	Adiabatic pumping via avoided crossings in stiffness-modulated quasiperiodic beams. <b>2020</b> , 102,	13
1106	Metal doping in topological insulators- a key for tunable generation of terahertz. <b>2020</b> , 319, 114005	9
1105	Second-Order Topological Photonic Modes in Dipolar Arrays. <b>2020</b> , 7, 2002-2009	4
1104	Topologically Protected and Highly Localized Surface Waves in Gyro-Electromagnetic Metamaterials. <b>2020</b> , 532, 2000022	1
1103	Topologically switchable behavior induced by an elastic instability in a phononic waveguide. <b>2020</b> , 127, 245109	5
1102	Plasmonic resonators: fundamental properties and applications. <b>2020</b> , 53, 443002	8
1101	Quantum Simulation for Three-Dimensional Chiral Topological Insulator. <b>2020</b> , 125, 020504	19
1100	Nonreciprocal Transport Based on Cavity Floquet Modes in Optomechanics. <b>2020</b> , 125, 023603	4
1099	Realization of hierarchical topological transitions and high-Q-response corner states in second-order topological photonic crystals. <b>2020</b> , 53, 435104	3
1098	Nonreciprocity in acoustic and elastic materials. <b>2020</b> , 5, 667-685	92
1097	Non-Reciprocal, Robust Surface Plasmon Polaritons on Gyrotropic Interfaces. <b>2020</b> , 68, 3718-3729	16
1096	Hybrid exceptional point created from type-III Dirac point. <b>2020</b> , 101,	17
1095	Crystal Chemistry and Bonding Patterns of Bismuth-Based Topological Insulators. <b>2020</b> , 59, 3437-3451	10
1094	Topological Quantum Optics Using Atomlike Emitter Arrays Coupled to Photonic Crystals. <b>2020</b> , 124, 083603	27
1093	Quantum Antennas. <b>2020</b> , 3, 1900120	7
1092	Nanoscale magnetophotonics. <b>2020</b> , 127, 080903	52

1091	A semiconductor topological photonic ring resonator. <b>2020</b> , 116, 061102	15
1090	Plasmon-polaritonic quadrupole topological insulators. <b>2020</b> , 101,	18
1089	Topological phonons in graphene. <b>2020</b> , 101,	21
1088	Measurement of the quantum geometric tensor and of the anomalous Hall drift. <b>2020</b> , 578, 381-385	59
1087	Topological Bands and Triply Degenerate Points in Non-Hermitian Hyperbolic Metamaterials. <b>2020</b> , 124, 073603	13
1086	Deterministic Scheme for Two-Dimensional Type-II Dirac Points and Experimental Realization in Acoustics. <b>2020</b> , 124, 075501	8
1085	Broadband non-reciprocity with robust signal integrity in a triangle-shaped nonlinear 1D metamaterial. <b>2020</b> , 100, 1-13	24
1084	Reflection-less width-modulated magnonic crystal. <b>2020</b> , 3,	19
1083	Discrete approximation of topologically protected modes in magneto-optical media. <b>2020</b> , 101,	1
1082	Accelerating Polaritons with External Electric and Magnetic Fields. <b>2020</b> , 10,	6
1081	Robust temporal pumping in a magneto-mechanical topological insulator. <b>2020</b> , 11, 974	25
1080	One-way transmission in topological mechanical metamaterials based on self-locking. <b>2020</b> , 175, 105555	4
1079	Controllable unidirectional transport and light trapping using a one-dimensional lattice with non-Hermitian coupling. <b>2020</b> , 10, 1113	5
1078	Topological Protection and Control of Quantum Markovianity. <b>2020</b> , 7, 18	4
1077	Topological phases of a dimerized Fermi-Hubbard model for semiconductor nano-lattices. <b>2020</b> , 6,	8
1076	Trends in Quantum Nanophotonics. <b>2020</b> , 3, 1900126	14
1075	Simulating bosonic Chern insulators in one-dimensional optical superlattices. <b>2020</b> , 101,	6
1074	Z Photonic Topological Insulators in the Visible Wavelength Range for Robust Nanoscale Photonics. <b>2020</b> , 20, 1329-1335	20

1073	Topological Edge States in Quasiperiodic Locally Resonant Metastructures. <b>2020</b> , 13,		24
1072	Universal numerical calculation method for the Berry curvature and Chern numbers of typical topological photonic crystals. <b>2020</b> , 13, 73-88		8
1071	Topological bound modes in optical waveguide arrays with alternating positive and negative couplings. <b>2020</b> , 52, 1		19
1070	Robust and Broadband Optical Coupling by Topological Waveguide Arrays. <b>2020</b> , 14, 1900193		16
1069	Symmetry-controlled edge states in the type-II phase of Dirac photonic lattices. <b>2020</b> , 11, 2074		5
1068	Non-Hermitian topological Anderson insulators. <b>2020</b> , 63, 1		31
1067	Demonstration of a quantized acoustic octupole topological insulator. <b>2020</b> , 11, 2108		43
1066	Valley-dependent topologically protected elastic waves using continuous graphene membranes on patterned substrates. <b>2020</b> , 12, 8997-9004		4
1065	Universal momentum-to-real-space mapping of topological singularities. <b>2020</b> , 11, 1586		10
1064	Terahertz topological photonics for on-chip communication. <i>Nature Photonics</i> , <b>2020</b> , 14, 446-451	33.9	174
1063	Physical Violations of the Bulk-Edge Correspondence in Topological Electromagnetics. <b>2020</b> , 124, 153901		15
1062	Four-wave mixing of topological edge plasmons in graphene metasurfaces. <b>2020</b> , 6, eaaz3910		38
1061	Observation of edge solitons in photonic graphene. <b>2020</b> , 11, 1902		34
1060	Seeing topological winding number and band inversion in photonic dimer chain of split-ring resonators. <b>2020</b> , 101,		9
1059	. <b>2020</b> , 108, 628-654		18
1058	Level statistics of extended states in random non-Hermitian Hamiltonians. <b>2020</b> , 101,		8
1057	Observation of an unpaired photonic Dirac point. <b>2020</b> , 11, 1873		15
1056	Elastic Hamiltonians for quantum analog applications. <b>2020</b> , 101,		0

1055	Observation of quadratic Weyl points and double-helicoid arcs. <b>2020</b> , 11, 1820	10
1054	Observation of topologically enabled unidirectional guided resonances. <b>2020</b> , 580, 467-471	74
1053	Probe of topological invariants using quantum walks of a trapped ion in coherent state space. <b>2020</b> , 29, 070501	
1052	Electronic transport in one-dimensional Floquet topological insulators via topological and nontopological edge states. <b>2020</b> , 101,	4
1051	Nonlinear one-way edge-mode interactions for frequency mixing in topological photonic crystals. <b>2020</b> , 101,	25
1050	Excited-state dynamics of structurally characterized crystal of $\text{SnxSb}_{1-x}$ . <b>2021</b> , 56, 1527-1536	2
1049	Embedded topological edge states from reversed two-dimensional photonic crystals. <b>2021</b> , 127, 114517	1
1048	Topological phases of quantized light. <b>2021</b> , 8, nwa196	6
1047	Analysis of Unidirectional Coupling in Topological Valley Photonic Crystal Waveguides. <b>2021</b> , 39, 889-895	7
1046	Unilateral and nonreciprocal transmission through bilinear spring systems. <b>2021</b> , 42, 101087	5
1045	Topology and broken Hermiticity. <b>2021</b> , 17, 9-13	8
1044	Self-Assembly of Plasmonic Nanoantenna-Waveguide Structures for Subdiffractional Chiral Sensing. <b>2021</b> , 15, 351-361	8
1043	Up-And-Coming Advances in Optical and Microwave Nonreciprocity: From Classical to Quantum Realm. <b>2021</b> , 2, 2000104	6
1042	Engineered disorder in photonics. <b>2021</b> , 6, 226-243	41
1041	Highly confined topological edge states from two simple triangular lattices with reversed materials. <b>2021</b> , 479, 126451	3
1040	Inverse design of topological metaplates for flexural waves with machine learning. <b>2021</b> , 199, 109390	21
1039	Momentum-space imaging spectroscopy for the study of nanophotonic materials. <b>2021</b> , 66, 824-838	5
1038	Asymmetric Electron Energy Loss in Drift-Current Biased Graphene. <b>2021</b> , 16, 19-26	3

1037	Multidimensional topological strings by curved potentials: Simultaneous realization of a mobility edge and topological protection. <b>2021</b> , 4, 315	
1036	Phase change materials in photonic devices. <b>2021</b> , 129, 030902	13
1035	Dispersion properties of artificial topological insulators based on an infinite double-periodic array of elliptical quartz elements. <b>2021</b> , 26, 11-17	
1034	Existence, symmetry breaking bifurcation and stability of two-dimensional optical solitons supported by fractional diffraction. <b>2021</b> , 29, 3193-3210	34
1033	Non-Hermitian Physics and Engineering in Silicon Photonics. <b>2021</b> , 323-364	1
1032	Topological Photonics with Microring Lattices. <b>2021</b> , 365-397	1
1031	Quantum Electrodynamics in a Topological Waveguide. <b>2021</b> , 11,	21
1030	A tunable narrow-band plasma photonic crystal filter based on bound state. <b>2021</b> , 0-0	
1029	Global phase diagram of Coulomb-interacting anisotropic Weyl semimetal with disorder. <b>2020</b> ,	0
1028	Topological quantum optical states in quasiperiodic cold atomic chains. <b>2021</b> , 103,	2
1027	Nontrivial band geometry in an optically active system. <b>2021</b> , 12, 689	14
1026	Liquid-crystal-based topological photonics. <b>2021</b> , 118,	6
1025	Absorption Reduction of Large Purcell Enhancement Enabled by Topological State-Led Mode Coupling. <b>2021</b> , 126, 023901	8
1024	Broadside Radiation from Chern Photonic Topological Insulators. <b>2021</b> , 1-1	2
1023	Tunable 3D Dirac-semimetals supported mid-IR hybrid plasmonic waveguides. <b>2021</b> , 46, 472-475	29
1022	Faithful simulation and detection of quantum spin Hall effect on superconducting circuits. <b>2021</b> , 3,	2
1021	Dynamical robustness of topological end states in nonreciprocal Su-Schrieffer-Heeger models with open boundary conditions. <b>2021</b> , 103,	6
1020	Topological electromagnetic and elastic states in photonic crystal cavity arrays. <b>2021</b> , 20, e202000247	0



1019	Robust tunable plasmon induced transparency in coupled-resonance finite array of metasurface nanostructure. <b>2021</b> , 11, 1221	1
1018	Generic optical singularities in Brewster-reflected postparaxial beam fields. <b>2021</b> , 103,	0
1017	Dynamic band structure measurement in the synthetic space. <b>2021</b> , 7,	9
1016	Nonlinear effects on topologically protected linear modes of Su-Schrieffer-Heeger photonic lattices. <b>2021</b> ,	
1015	Metasurfaces with Bound States in the Continuum Enabled by Eliminating First Fourier Harmonic Component in Lattice Parameters. <b>2021</b> , 126, 013601	5
1014	Recent advances in nanocavities and their applications. <b>2021</b> , 57, 4875-4885	4
1013	Chiral symmetry in non-Hermitian systems: Product rule and Clifford algebra. <b>2021</b> , 103,	1
1012	Valley photonic crystals. <b>2021</b> , 6, 1905546	6
1011	Observation of nonlinear corner states in a higher-order photonic topological insulator. <b>2021</b> ,	1
1010	Experimental topological photonic superlattice. <b>2021</b> , 103,	5
1009	Interacting stochastic topology and Mott transition from light response. <b>2021</b> , 103,	2
1008	Topological Dislocations for Plasmonic Mode Localization in Arrays of Nanoscale Rectangular Au Apertures: Implications for Optical Communications. <b>2021</b> , 4, 1202-1208	1
1007	Photonic topological Weyl degeneracies and ideal type-I Weyl points in the gyromagnetic metamaterials. <b>2021</b> , 103,	4
1006	Recent progress in topological waveguides and nanocavities in a semiconductor photonic crystal platform [Invited]. <b>2021</b> , 11, 319	15
1005	Spectral Reflectometry in Biomedical Imaging and Sensing. <b>2021</b> , 1310, 367-383	
1004	Maximal transmission of acoustic energy flux in inhomogeneous waveguides and robustness analyses. <b>2021</b> , 0-0	
1003	Topological One-Way Large-Area Waveguide States in Magnetic Photonic Crystals. <b>2021</b> , 126, 067401	8
1002	Photonic Berry curvature in double liquid crystal microcavities with broken inversion symmetry. <b>2021</b> , 103,	6

1001	Microwave resonator lattices for topological photonics [Invited]. <b>2021</b> , 11, 629	3
1000	Topological modes in relativistic hydrodynamics. <b>2021</b> , 103,	0
999	Robust Fano resonance in the photonic valley Hall states. <b>2021</b> , 103,	9
998	Emulating spin transport with nonlinear optics, from high-order skyrmions to the topological Hall effect. <b>2021</b> , 12, 1092	11
997	Giant synthetic gauge field for spinless microcavity polaritons in crossed electric and magnetic fields. <b>2021</b> , 23, 023024	1
996	Actively controlled asymmetric edge states for directional wireless power transfer. <b>2021</b> , 29, 7844-7857	5
995	Observation of topological bound states in a double Su-Schrieffer-Heeger chain composed of split ring resonators. <b>2021</b> , 3,	5
994	Landau-Zener Transition in the Dynamic Transfer of Acoustic Topological States. <b>2021</b> , 126, 054301	11
993	Reduced sensitivity to disorder in a coupled-resonator waveguide with disordered coupling coefficients. <b>2021</b> , 103,	
992	Distortionless Pulse Transmission in Valley Photonic Crystal Slab Waveguide. <b>2021</b> , 15,	4
991	Analog time machine in a photonic system. <b>2021</b> , 103,	3
990	Topological beam splitter via defect-induced edge channel in the Rice-Mele model. <b>2021</b> , 103,	2
989	Intensity tuning of the edge states in the imperfect topological waveguides based on the photonic crystals with the $(C_3)$ point group symmetry. <b>2021</b> , 53, 1	1
988	Multiband Photonic Topological Valley-Hall Edge Modes and Second-Order Corner States in Square Lattices. <b>2021</b> , 9, 2001865	7
987	Soft topological modes protected by symmetry in rigid mechanical metamaterials. <b>2021</b> , 103,	3
986	Topological slow light via coupling chiral edge modes with flatbands. <b>2021</b> , 118, 071102	4
985	Room-temperature active modulation of plasmonic nanolasers by current injection on hybrid graphene-insulator-metal platforms. <b>2021</b> , 129, 053307	3
984	Coupled topological interface states. <b>2021</b> , 103,	5

983	Topologically protected plasmon mode with ultrastrong field localization in a graphene-based metasurface. <b>2021</b> , 29, 6188-6198	1
982	Experimental Observation of Temporal Pumping in Electromechanical Waveguides. <b>2021</b> , 126, 095501	12
981	Light-matter interactions near photonic Weyl points. <b>2021</b> , 103,	6
980	Real-time observation of frequency Bloch oscillations with fibre loop modulation. <b>2021</b> , 10, 48	5
979	Microcavity polaritons for topological photonics [Invited]. <b>2021</b> , 11, 1119	14
978	Floquet Topological Phases in One-Dimensional Nonlinear Photonic Crystals. <b>2021</b> , 126, 113901	2
977	Nonlinear Bloch wave dynamics in photonic Aharonov-Bohm cages. <b>2021</b> , 6, 030801	1
976	Square-root non-Bloch topological insulators in non-Hermitian ring resonators. <b>2021</b> , 29, 8462-8476	23
975	Transforming heat transfer with thermal metamaterials and devices. <b>2021</b> , 6, 488-507	68
974	Photonic Chern insulators from two-dimensional atomic lattices interacting with a single surface plasmon polariton. <b>2021</b> , 103,	0
973	Non-Hermitian topological phases and exceptional lines in topoelectrical circuits. <b>2021</b> , 23, 033014	1
972	Topological effects in integrated photonic waveguide structures [Invited]. <b>2021</b> , 11, 1014	5
971	Topological phenomena demonstrated in photorefractive photonic lattices [Invited]. <b>2021</b> , 11, 1292	8
970	Two-dimensional non-Hermitian topological phases induced by asymmetric hopping in a one-dimensional superlattice. <b>2021</b> , 103,	4
969	Topological input-output theory for directional amplification. <b>2021</b> , 103,	1
968	Zak-phase-inspired acoustic topological edge states on the honeycomb lattice. <b>2021</b> , 103,	0
967	Observation of antichiral edge states in a circuit lattice. <b>2021</b> , 64, 1	9
966	Tidal surface states as fingerprints of non-Hermitian nodal knot metals. <b>2021</b> , 4,	11

965	Fractal topological band-gap structure induced by singularities in the one-dimensional ThueMorse system. <b>2021</b> , 9, 622	0
964	Topologically protecting quantum resources with sawtooth lattices. <b>2021</b> , 46, 1584-1587	0
963	Broadband Field Localization, Density of States, and Nonlinearity Enhancement in Nonreciprocal and Topological Hotspots. <b>2021</b> , 15,	1
962	Topological rainbow based on graded topological photonic crystals. <b>2021</b> , 46, 1237-1240	15
961	Topological Edge States and Solitons on a Dynamically Tunable Domain Wall of Two Opposing Helical Waveguide Arrays. <b>2021</b> , 8, 1077-1084	3
960	Ion-cut lithium niobate on insulator technology: Recent advances and perspectives. <b>2021</b> , 8, 011307	51
959	Tunable terahertz Dirac semimetal metamaterials. <b>2021</b> , 54, 235103	31
958	Dual modulation of topological edge states from two-dimensional photonic crystals with lattice shrink. <b>2021</b> , 35, 2150236	1
957	Measuring Topological Invariants in a Polaritonic Analog of Graphene. <b>2021</b> , 126, 127403	4
956	Recent Advances in Terahertz Photonic Technologies Based on Graphene and Their Applications. <b>2021</b> , 2, 2000168	4
955	Self-Isolated Raman Lasing with a Chiral Dielectric Metasurface. <b>2021</b> , 126, 123201	10
954	Evolution and global charge conservation for polarization singularities emerging from non-Hermitian degeneracies. <b>2021</b> , 118,	5
953	Sensitivity of topological edge states in a non-Hermitian dimer chain. <b>2021</b> , 9, 574	9
952	Coexistence of topological edge states and skin effects in the non-Hermitian Su-Schrieffer-Heeger model with long-range nonreciprocal hopping in topoelectric realizations. <b>2021</b> , 103,	4
951	Engineering of multiple bound states in the continuum by latent representation of freeform structures. <b>2021</b> , 9, B96	4
950	Topological phase in plasma physics. <b>2021</b> , 87,	3
949	Intrinsic in-plane nodal chain and generalized quaternion charge protected nodal link in photonics. <b>2021</b> , 10, 83	4
948	Flatness and boundness of photonic drumhead surface state in a metallic lattice. <b>2021</b> , 11, 8684	0

947	Transmission in a Fano-Anderson chain with a topological defect. <b>2021</b> , 103,	0
946	Nonlinear topological edge states in a non-Hermitian array of optical waveguides embedded in an atomic gas. <b>2021</b> , 103,	1
945	Interface states in the rectangular lattice photonic crystals with identical dielectric rods. <b>2021</b> , 23, 104082	0
944	Experimental Observation of Higher-Order Topological Anderson Insulators. <b>2021</b> , 126, 146802	21
943	Quantum Topological Photonics. <b>2021</b> , 9, 2001739	4
942	Topoletric circuits: Theory and construction. <b>2021</b> , 3,	8
941	Topological insulator Bi <sub>2</sub> Se <sub>3</sub> as a tunable crystal for terahertz frequency generation. <b>2021</b> , 127, 1	5
940	Second-harmonic generation via double topological valley-Hall kink modes in all-dielectric photonic crystals. <b>2021</b> , 103,	17
939	Recent advances in development of magnetic garnet thin films for applications in spintronics and photonics. <b>2021</b> , 860, 158235	14
938	Conical diffractions in Kagome lattice. <b>2021</b> , 23, 104007	2
937	Plasmonic modes at inclined edges of anisotropic two-dimensional materials. <b>2021</b> , 103,	1
936	Theory of topological corner state laser in Kagome waveguide arrays. <b>2021</b> , 6, 040802	10
935	Peierls-Nabarro barrier effect in nonlinear Floquet topological insulators. <b>2021</b> , 103, 042214	1
934	Robust edge states of subwavelength chiral phononic plates. <b>2021</b> , 44, 101209	11
933	Topology-Enhanced Nonreciprocal Scattering and Photon Absorption in a Waveguide. <b>2021</b> , 15,	2
932	Second-Order Photonic Topological Corner States in Square Lattices with Low Symmetry. <b>2021</b> , 533, 2100075	7
931	Near-Field Imaging of Magnetic Complex Mode Volume. <b>2021</b> , 8, 1258-1263	4
930	Topological scattering singularities and embedded eigenstates for polarization control and sensing applications.	10

929	Simulating Floquet topological phases in static systems. <b>2021</b> , 4,	0
928	Type-I Weyl points induced by negative coupling in photonic crystal. <b>2021</b> , 64, 1	1
927	Progress and perspectives on phononic crystals. <b>2021</b> , 129, 160901	33
926	Enhanced Photoluminescence of Halide Perovskite Nanocrystals Mediated by a Higher-Order Topological Metasurface. <b>2021</b> , 125, 9884-9890	5
925	Topological microelectromechanical systems. <b>2021</b> , 103,	1
924	Subwavelength higher-order topological insulator based on stereo acoustic networks. <b>2021</b> , 129, 135101	0
923	All-optical logic gates based on anomalous Floquet photonic topological insulator structures. <b>2021</b> , 23, 065001	1
922	Moiré edge states in twisted bilayer graphene and their topological relation to quantum pumping. <b>2021</b> , 103,	0
921	Engineering Hydrogel-Based Biomedical Photonics: Design, Fabrication, and Applications. <b>2021</b> , 33, e2006582	14
920	Robust topological edge states from one-dimensional diatomic chain photonic crystals. <b>2021</b> , 35, 2150146	1
919	Topological Transition Enabled by Surface Modification of Photonic Crystals. <b>2021</b> , 8, 1385-1392	
918	Abnormal topological refraction into free medium at subwavelength scale in valley phononic crystal plates. <b>2021</b> , 103,	1
917	Effective Floquet model for minimally twisted bilayer graphene. <b>2021</b> , 103,	0
916	Deep Learning the Electromagnetic Properties of Metamaterials: A Comprehensive Review. <b>2021</b> , 31, 2101748	14
915	Topological Graphene Plasmons in a Plasmonic Realization of the Su-Schrieffer-Heeger Model. <b>2021</b> , 8, 1817-1823	0
914	Wavepacket Self-Rotation and Helical Zitterbewegung in Symmetry-Broken Honeycomb Lattices. <b>2021</b> , 15, 2000563	1
913	Optically induced topological spin-valley Hall effect for exciton polaritons. <b>2021</b> , 103,	5
912	Acoustic metamaterials. <b>2021</b> , 129, 171103	15

911	Enhanced directional quantum emission by tunable topological doubly resonant cavities. <b>2021</b> , 29, 16727-16735	
910	Topological optical and phononic interface mode by simultaneous band inversion. <b>2021</b> , 8, 598	3
909	Band engineering method to create Dirac cones of accidental degeneracy in general photonic crystals without symmetry. <b>2021</b> , 29, 18070-18080	2
908	Y-shaped beam splitter with topologically protected defect waveguide. <b>2021</b> , 60,	
907	Valley-dependent corner states in honeycomb photonic crystals without inversion symmetry. <b>2021</b> , 29, 18277-18290	6
906	Higher-order topoelectrical semimetal realized via synthetic gauge fields. <b>2021</b> , 6, 050802	3
905	Photopatterned Designer Disclination Networks in Nematic Liquid Crystals. <b>2021</b> , 9, 2100181	6
904	Topologically Protected Transport of Cargo in a Chiral Active Fluid Aided by Odd-Viscosity-Enhanced Depletion Interactions. <b>2021</b> , 126, 198001	5
903	Acoustic Topological Circuitry in Square and Rectangular Phononic Crystals. <b>2021</b> , 15,	2
902	Real-time steering of curved sound beams in a feedback-based topological acoustic metamaterial. <b>2021</b> , 153, 107479	4
901	Topological dipole Floquet solitons. <b>2021</b> , 103,	9
900	Band dynamics accompanied by bound states in the continuum at the third-order $\Gamma$ point in leaky-mode photonic lattices. <b>2021</b> , 9, 1109	2
899	Tunable quantum interference using a topological source of indistinguishable photon pairs. <i>Nature Photonics</i> , <b>2021</b> , 15, 542-548	33.9 8
898	Demonstration of topological wireless power transfer. <b>2021</b> , 66, 974-980	5
897	Switching Spinless and Spinful Topological Phases with Projective PT Symmetry. <b>2021</b> , 126, 196402	6
896	Nonlinear Imaging of Nanoscale Topological Corner States. <b>2021</b> , 21, 4592-4597	22
895	Bulk-Boundary Correspondence for Non-Hermitian Hamiltonians via Green Functions. <b>2021</b> , 126, 216407	11
894	Engineering Fractal Photonic Metamaterials by Stochastic Self-Assembly of Nanoparticles. <b>2021</b> , 2, 2100020	4

893	Topological Defect Engineering and PT Symmetry in Non-Hermitian Electrical Circuits. <b>2021</b> , 126, 215302	16
892	Robust one-way edge state in convection-diffusion systems. <b>2021</b> , 134, 60001	2
891	Simple approach to characterizing band topology in bosonic pairing Hamiltonians. <b>2021</b> , 103,	0
890	Nonlinear corner states observed in Kagome higher-order photonic topological insulators. <b>2021</b> ,	
889	Quantum entangled fractional topology and curvatures. <b>2021</b> , 4,	1
888	Conjugated topological interface-states in coupled ring resonators. <b>2021</b> , 11, 12104	0
887	Doublons, topology and interactions in a one-dimensional lattice. <b>2021</b> , 11, 12540	1
886	Theory for electrical detection of the magnon Hall effect induced by dipolar interactions. <b>2021</b> , 103,	
885	Topological Valley Photonics: Physics and Device Applications. <b>2021</b> , 2, 2100013	7
884	Quantum Sensing for Energy Applications: Review and Perspective. <b>2021</b> , 4, 2100049	6
883	Antichiral edge states in an acoustic resonator lattice with staggered air flow. <b>2021</b> , 129, 235103	3
882	Photonic analog of bilayer graphene. <b>2021</b> , 103,	4
881	Physics and Applications of High- $\mu$ Micro- and Nanolasers. <b>2021</b> , 9, 2100415	5
880	Directional emission of the edge states from the photonic topological structure composed of two-dimensional honeycomb photonic crystals. <b>2021</b> , 50, 371-380	0
879	Deep- and vacuum-ultraviolet metaphotonic light sources. <b>2021</b> ,	7
878	TopoMEMS Circuit: Step-Variable-Resettable MEMS Capacitor for Topological Electrical Circuit. <b>2021</b> ,	1
877	From Photonic Crystals to Seismic Metamaterials: A Review via Phononic Crystals and Acoustic Metamaterials. 1	18
876	Acoustic constant mode one-way device based on wave pattern filter. <b>2021</b> , 118, 263503	1



875	Optical forces on a cylinder induced by surface waves and the conservation of the canonical momentum of light. <b>2021</b> , 29, 20590-20600	1
874	Topological ring-cavity laser formed by honeycomb photonic crystals. <b>2021</b> , 103,	6
873	Unfitted Nitsche's Method for Computing Wave Modes in Topological Materials. <b>2021</b> , 88, 1	
872	Design of broadband all-dielectric valley photonic crystals at telecommunication wavelength. <b>2021</b> , 488, 126847	5
871	Tunable terahertz topological edge and corner states in designer surface plasmon crystals. <b>2021</b> , 29, 19531-19539	3
870	Experimental investigation of a Non-Abelian gauge field in 2D perovskite photonic platform.	1
869	Tunable unidirectional surface plasmon polaritons at the interface between gyrotropic and isotropic conductors. <b>2021</b> , 8, 952	4
868	Surface impedance and generalized chiral symmetry in acoustic higher-order topological insulators. <b>2021</b> , 103,	0
867	Higher-order band topology. <b>2021</b> , 3, 520-532	40
866	Topological photonics: Mistaken paradigms and new opportunities. <b>2021</b> ,	
865	Generation of half-integer harmonics and efficient THz-to-visible frequency conversion in strained graphene. <b>2021</b> , 6, 060801	0
864	Mesoscopic electrodynamics at metal surfaces. <b>2021</b> , 10, 2563-2616	13
863	Highlighting photonics: looking into the next decade. <b>2021</b> , 1,	55
862	Symmetry-breaking in double gyroid block copolymer films by non-affine distortion. <b>2021</b> , 23, 101006	6
861	Topological insulators and semimetals in classical magnetic systems. <b>2021</b> , 915, 1-64	11
860	Topological excitations and bound photon pairs in a superconducting quantum metamaterial. <b>2021</b> , 103,	3
859	Optically Reconfigurable Spin-Valley Hall Effect of Light in Coupled Nonlinear Ring Resonator Lattice. <b>2021</b> , 127, 043904	2
858	Chiral transport of pseudospinors induced by synthetic gravitational field in photonic Weyl metamaterials. <b>2021</b> , 104,	0

857	A short review on first-principles study of gapped topological materials. <b>2021</b> , 195, 110467	0
856	One-Dimensional Topological Photonic Crystal Mirror Heterostructure for Sensing. <b>2021</b> , 11,	5
855	Generation and Tunability of Supermodes in Tamm Plasmon Topological Superlattices. <b>2021</b> , 8, 2095-2102	1
854	In-plane excitation of a topological nanophotonic corner state at telecom wavelengths in a cross-coupled cavity. <b>2021</b> , 9, 1423	6
853	Modeling the optical properties of twisted bilayer photonic crystals. <b>2021</b> , 10, 157	6
852	Intersecting topological nodal ring and nodal wall states in superhard superconductor FeB <sub>4</sub> . <b>2021</b> , 5,	3
851	Experimental observation of topological Z exciton-polaritons in transition metal dichalcogenide monolayers. <b>2021</b> , 12, 4425	12
850	Topological protection of highly entangled non-Gaussian two-photon states. <b>2021</b> , 1, 035001	0
849	Topological insulator in two synthetic dimensions based on an optomechanical resonator. <b>2021</b> , 8, 1024	2
848	Topological Charge Switch in Active Multi-Core Fibers. <b>2021</b> , 533, 2100108	
847	Chiral dynamics and Zitterbewegung of Weyl quasiparticles in a magnetic field. <b>2021</b> , 23, 073031	0
846	Complete absorption of topologically protected waves. <b>2021</b> , 104, 014603	3
845	Kibble-Zurek mechanism in polariton graphene. <b>2021</b> , 104,	0
844	Predicting topological materials: symmetry-based indicator theories and beyond. <b>2021</b> , 54, 414002	0
843	Polarization Singularities of Photonic Quasicrystals in Momentum Space. <b>2021</b> , 127, 043901	3
842	Probing Rotated Weyl Physics on Nonlinear Lithium Niobate-on-Insulator Chips. <b>2021</b> , 127, 013901	2
841	Topological Photonics on Superconducting Quantum Circuits with Parametric Couplings. <b>2021</b> , 4, 2100017	1
840	Topological edge states in an all-dielectric terahertz photonic crystal. <b>2021</b> , 11, 2445	9

839	Topologically protected optical signal processing using parity-time-symmetric oscillation quenching. <b>2021</b> , 10, 2883-2891	1
838	Chiral phonons in the honeycomb sublattice of layered CoSn-like compounds. <b>2021</b> , 104,	3
837	Novel non-plasmonic nanolasers empowered by topology and interference effects. <b>2021</b> ,	4
836	The geometric phase in nonlinear frequency conversion. <b>2022</b> , 17, 1	6
835	Investigating the quench dynamics of the bound states in a spin-orbital-coupling system using a trapped ion. <b>2021</b> , 104,	0
834	Non-spin-mixing defect modes in the split-ring dielectric photonic crystals. <b>2021</b> , 492, 126963	3
833	Amorphous topological phases protected by continuous rotation symmetry. <b>2021</b> , 11,	3
832	Inverse design of broadband and lossless topological photonic crystal waveguide modes. <b>2021</b> ,	
831	Bound States in the Continuum on a Silicon Chip with Dynamic Tuning. <b>2021</b> , 16,	1
830	Dark topological valley Hall edge solitons. <b>2021</b> ,	4
829	Flexible Bandwidth Broadening in Topological Waveguides. <b>2021</b> ,	
828	Gauge-Field Extended $k \cdot p$ Method and Novel Topological Phases. <b>2021</b> , 127, 076401	4
827	Topological photonics in 3D micro-printed systems. <b>2021</b> , 6, 080901	2
826	Synthetic-Space Photonic Topological Insulators Utilizing Dynamically Invariant Structure. <b>2021</b> , 127, 093901	1
825	A Topological Photonic Ring-Resonator for On-Chip Channel Filters. <b>2021</b> , 39, 5069-5073	6
824	Identifying topological signature of 1D photonic lattice by Zak phase analysis and towards robust amplification of edge state. <b>2021</b> , 23, 095604	2
823	Dual-polarization topological phases and phase transition in magnetic photonic crystalline insulator. <b>2021</b> , 23, 083042	1
822	Manipulating Second Harmonic Generation in Higher-Order Topological Photonic Crystals. <b>2021</b> , 533, 2100191	2

821	Ultrafast nanofemto photoemission electron microscopy of vectorial plasmonic fields. <b>2021</b> , 46, 738	3
820	Quadrature protection of squeezed states in a one-dimensional photonic topological insulator. 5, 526	2
819	Zak phases of chiral photonic crystals designed via transformation optics. <b>2021</b> , 104,	1
818	Lattice topological edge and corner modes of photonic crystal slabs. <b>2021</b> , 23, 095102	2
817	Non-Abelian Charged Nodal Links in a Dielectric Photonic Crystal. <b>2021</b> , 8, 2746-2754	2
816	Robust transport of the edge modes along the photonic topological interfaces of different configurations. <b>2021</b> , 615, 412550	2
815	Neuron-Inspired Steiner Tree Networks for 3D Low-Density Metastructures. <b>2021</b> , 8, e2100141	2
814	Quantum superposition demonstrated higher-order topological bound states in the continuum. <b>2021</b> , 10, 173	7
813	Enhancement and manipulation of group delay based on topological edge state in one-dimensional photonic crystal with graphene. <b>2021</b> , 29, 30348-30356	1
812	Tuning of topological interface modes in an elastic beam array system with inerters. <b>2021</b> , 205, 106573	5
811	Selective Mode Conversion and Rainbow Trapping via Graded Elastic Waveguides. <b>2021</b> , 16,	4
810	Observation of surface mode arcs associated with nodal surfaces in electromagnetic metacrystals. <b>2021</b> , 38, 2953	2
809	Four-wave mixing Floquet topological solitons. <b>2021</b> , 46, 4710-4713	1
808	Resonance and topological singularity near and beyond zero frequency for waves: model, theory, and effects. <b>2021</b> , 9, 2024	0
807	Highly efficient vertical coupling to a topological waveguide with defect structure. <b>2021</b> , 29, 32755-32763	0
806	Floquet defect solitons. <b>2021</b> , 46, 5364-5367	1
805	Nonreciprocal photon transmission with quantum noise reduction via cross-Kerr nonlinearity. <b>2021</b> , 104,	1
804	Optimization and robustness of the topological corner state in second-order topological photonic crystals. <b>2021</b> , 29, 30735-30750	3

803	Nontrivial point-gap topology and non-Hermitian skin effect in photonic crystals. <b>2021</b> , 104,	4
802	Higher-Order Dirac Sonic Crystals. <b>2021</b> , 127, 146601	5
801	Probing and Imaging Photonic Spin-Orbit Interactions in Nanostructures. 2100011	3
800	Quantized classical response from spectral winding topology. <b>2021</b> , 12, 5294	5
799	Topological edge states of Kekulé-type photonic crystals induced by a synchronized rotation of unit cells. <b>2021</b> , 104,	1
798	Control of plasmons in topological insulators via local perturbations. <b>2021</b> , 104,	0
797	Reprogrammable plasmonic topological insulators with ultrafast control. <b>2021</b> , 12, 5468	18
796	Topological edge state bandwidth tuned by multiple parameters in two-dimensional terahertz photonic crystals with metallic cross structures. <b>2021</b> , 29, 32105-32113	2
795	Topologically Enhanced Circular Dichroism from Metasurfaces. <b>2021</b> , 16,	1
794	Broadband Green's function-KKR-multiple scattering method for calculations of normalized band-field solutions in magneto-optics crystals. <b>2021</b> , 38, 3159	0
793	Prospects in x-ray science emerging from quantum optics and nanomaterials. <b>2021</b> , 119, 130502	3
792	Triply degenerate point in three-dimensional spinless systems. <b>2021</b> , 104,	0
791	Experimentally Detecting Quantized Zak Phases without Chiral Symmetry in Photonic Lattices. <b>2021</b> , 127, 147401	4
790	Azimuthally and radially polarized orbital angular momentum modes in valley topological photonic crystal fiber. <b>2021</b> ,	2
789	Non-Hermitian gauged topological laser with multi protected modes.	
788	Symmetric and asymmetric photonic spin-orbit interaction in metasurfaces. <b>2021</b> , 79, 100344	5
787	Spontaneous emission in micro- or nanophotonic structures. <b>2021</b> , 2,	5
786	Topologically protected vector edge states and polarization beam splitter by all-dielectric valley photonic crystal slabs. <b>2021</b> , 23, 093026	1

785	Surface density of states on semi-infinite topological photonic and acoustic crystals. <b>2021</b> , 104,	
784	Recent advances in topological elastic metamaterials. <b>2021</b> , 33,	4
783	Slow Light Rainbow Trapping in a Uniformly Magnetized Gyromagnetic Photonic Crystal Waveguide. <b>2021</b> , 8,	1
782	Chiral and multiple one-way surface states on photonic gyroelectric metamaterials with small Chern number. <b>2021</b> , 29, 33097-33108	
781	Multi-dimensional wave steering with higher-order topological phononic crystal. <b>2021</b> , 66, 1740-1745	7
780	Selection rules for breaking selection rules.	0
779	Broadband Topological Slow Light through Brillouin Zone Winding. <b>2021</b> , 127, 123601	2
778	The quantum phase transitions of dimer chain driven by an imaginary alternating field. <b>2021</b> , 134, 114871	0
777	Optical quasi flux density of Heisenberg ferromagnetic spin with qHATM approach. <b>2021</b> , 245, 167567	3
776	New approach for optical Spherical electromagnetic phase by Landau Lifshitz approach. <b>2021</b> , 247, 167906	2
775	Band tuning and channel reconfiguration of sound waves in coding topological metamaterials. <b>2021</b> , 184, 108348	
774	Hybrid optical electromotive with Heisenberg ferromagnetic system by fractional approach. <b>2021</b> , 247, 167684	
773	Optical tangent hybrid electromotives for tangent hybrid magnetic particle. <b>2021</b> , 247, 167823	10
772	Approximate solutions for optical magnetic and electric phase with fractional optical Heisenberg ferromagnetic spin by RPSM. <b>2021</b> , 247, 167819	
771	Light trapping in thin film crystalline silicon solar cells using Multi-Scale photonic topological insulators. <b>2022</b> , 145, 107457	0
770	New approach to analyze the band structure characteristics of one-dimensional photonic system. <b>2021</b> , 11, 015351	
769	Terahertz Band Communications with Topological Valley Photonic Crystal Waveguide. <b>2021</b> , 1-1	4
768	Acoustic Realization of a Four-Dimensional Higher-Order Chern Insulator and Boundary-Modes Engineering. <b>2021</b> , 11,	5

767	Wireless Power Transfer via Topological Modes in Dimer Chains. <b>2021</b> , 15,	15
766	Direct quantification of topological protection in symmetry-protected photonic edge states at telecom wavelengths. <b>2021</b> , 10, 9	21
765	Topological Dynamics of Spin Texture Based Metamaterials. <b>2021</b> , 405-440	
764	Modulation instability in the nonlinear Schrödinger equation with a synthetic magnetic field: Gauge matters. <b>2021</b> , 103,	2
763	Direct quantification of topological protection in symmetry-protected photonic edge states at telecom wavelengths. <b>2021</b> ,	
762	Enhanced Photon-Emitter Coupling in Micro/Nano Photonic Structures. <b>2021</b> , 27, 1-10	2
761	Magnetless Circulators Based on Synthetic Angular-Momentum Bias: Recent Advances and Applications. <b>2021</b> , 0-0	0
760	Synthetic Kramers Pair in Phononic Elastic Plates and Helical Edge States on a Dislocation Interface. <b>2021</b> , 33, e2005160	8
759	Higher-Order Topological States in Surface-Wave Photonic Crystals. <b>2020</b> , 7, 1902724	32
758	Photonic Topological States Mediated by Staggered Bianisotropy. <b>2021</b> , 15, 1900392	3
757	Topological carbon materials: A new perspective. <b>2020</b> , 868, 1-32	14
756	Berry Phases in Electronic Structure Theory: Electric Polarization, Orbital Magnetization and Topological Insulators. <b>2018</b> ,	180
755	Dirac points and the transition towards Weyl points in three-dimensional sonic crystals. <b>2020</b> , 9, 201	6
754	Dirac-vortex topological photonic crystal fibre. <b>2020</b> , 9, 202	13
753	Topological non-Hermitian origin of surface Maxwell waves. <b>2019</b> , 10, 580	63
752	Non-Hermitian physics. <b>2020</b> , 69, 249-435	110
751	Topological insulator in a hexagonal plate with droplet holes. <b>2021</b> , 54, 105502	1
750	Turning photonic band gap of one-dimensional photonic crystals on and off. <b>2021</b> , 54, 085106	2

749	Observation of photonic spin-momentum locking due to coupling of achiral metamaterials and quantum dots. <b>2021</b> , 33, 015701	1
748	Evolution and reversal of topological edge states at optical frequencies from a two-dimensional photonic crystal. <b>2020</b> , 22, 105102	2
747	Visualizing one-dimensional non-hermitian topological phases. <b>2020</b> , 4, 095005	4
746	Tensor monopoles and the negative magnetoresistance effect in optical lattices. <b>2020</b> , 102,	4
745	Multiphoton resonance and chiral transport in the generalized Rabi model. <b>2020</b> , 102,	6
744	Trapped State at a Dislocation in a Weak Magnetomechanical Topological Insulator. <b>2020</b> , 14,	7
743	Fragile topology based helical edge states in two-dimensional moon-shaped photonic crystals. <b>2020</b> , 102,	7
742	Topological photonics: From crystals to particles. <b>2017</b> , 96,	33
741	Robust edge states in amorphous gyromagnetic photonic lattices. <b>2017</b> , 96,	20
740	Protection of surface states in topological nanoparticles. <b>2017</b> , 1,	12
739	Topological phonons and thermoelectricity in triple-point metals. <b>2018</b> , 2,	29
738	Reconfigurable topological states in valley photonic crystals. <b>2018</b> , 2,	14
737	Photonic Chern insulators made of gyromagnetic hyperbolic metamaterials. <b>2020</b> , 4,	5
736	Terahertz topological plasmon polaritons for robust temperature sensing. <b>2020</b> , 4,	4
735	Non-Hermitian Weyl physics in topological insulator ferromagnet junctions. <b>2019</b> , 1,	40
734	Robust mode conversion in NV centers using exceptional points. <b>2019</b> , 1,	10
733	Engineering fragile topology in photonic crystals: Topological quantum chemistry of light. <b>2019</b> , 1,	30
732	Space-time phononic crystals with anomalous topological edge states. <b>2019</b> , 1,	8



731	Theory of chiral edge state lasing in a two-dimensional topological system. <b>2019, 1,</b>	15
730	Magnonic Weyl states in Cu <sub>2</sub> OSeO <sub>3</sub> . <b>2020, 2,</b>	9
729	Anomalous bulk-edge correspondence in continuous media. <b>2020, 2,</b>	24
728	Topological valley transport under long-range deformations. <b>2020, 2,</b>	13
727	Cavity-induced backscattering in a two-dimensional photonic topological system. <b>2020, 2,</b>	1
726	Topological protection in non-Hermitian Haldane honeycomb lattices. <b>2020, 2,</b>	3
725	Diagnosis scheme for topological degeneracies crossing high-symmetry lines. <b>2020, 2,</b>	9
724	Inverse design of higher-order photonic topological insulators. <b>2020, 2,</b>	16
723	Non-Hermitian topological metamaterials with odd elasticity. <b>2020, 2,</b>	13
722	Dissipative analog of four-dimensional quantum Hall physics. <b>2020, 2,</b>	11
721	Robust localized zero-energy modes from locally embedded PT-symmetric defects. <b>2020, 2,</b>	6
720	Radiative topological biphoton states in modulated qubit arrays. <b>2020, 2,</b>	8
719	Nontrivial topology in the continuous spectrum of a magnetized plasma. <b>2020, 2,</b>	4
718	Robustness of topological corner modes in photonic crystals. <b>2020, 2,</b>	20
717	Theory of intrinsic propagation losses in topological edge states of planar photonic crystals. <b>2020, 2,</b>	9
716	Theory of the Coherence of Topological Lasers. <b>2020, 10,</b>	7
715	Photonic tractor beams: a review. <b>2019, 1, 1</b>	35
714	Programmable coding photonic topological edge waveguide. <b>2020, 59,</b>	2

713	Acoustic and photonic topological insulators by topology optimization. <b>2019,</b>	1
712	Topological Nodal States in Circuit Lattice. <b>2018, 2018, 6793752</b>	56
711	Plasmonic topological edge states in ring-structure gate graphene. <b>2018, 57, 8503-8507</b>	2
710	Chiral Light-matter Interaction in Dielectric Photonic Topological Insulators. <b>2018,</b>	2
709	Experimental Investigation of Topological Phases of Two-Dimensional Floquet Microring Lattices. <b>2020,</b>	1
708	Topological Lasers. <b>2016,</b>	3
707	Observation of Photonic Topological Valley Transport. <b>2017,</b>	3
706	Complete bandgap in three-dimensional chiral gyroid photonic crystals for topological photonics. <b>2016,</b>	3
705	Hybrid method of plane-wave and cylindrical-wave expansions for distributed Bragg-reflector pillars: formalism and its application to topological photonics. <b>2018, 35, 2642</b>	1
704	Directional amplifiers in a hybrid optomechanical system. <b>2019, 36, 306</b>	4
703	Optical nonreciprocity in a three-mode optomechanical system within a common reservoir. <b>2020, 37, 1550</b>	1
702	Band calculations using broadband Green's functions and the KKR method with applications to magneto-optics and photonic crystals. <b>2020, 37, 3896</b>	1
701	Emission of R6G dye in Fabry-Pérot cavities in weak and strong coupling regimes. <b>2020, 37, 3200</b>	2
700	Generation and probing of 3D helical lattices with tunable helix pitch and interface. <b>2019, 27, 121-131</b>	10
699	Two classes of singularities and novel topology in a specially designed synthetic photonic crystals. <b>2019, 27, 4956-4975</b>	2
698	Asymmetric conical diffraction in dislocated edge-centered square lattices. <b>2019, 27, 6300-6309</b>	5
697	Broadband one-way propagation and rainbow trapping of terahertz radiations. <b>2019, 27, 10659-10669</b>	15
696	Band structure and topological phase transition of photonic time crystals. <b>2019, 27, 12914-12922</b>	6

695	Topological bound modes in anti-PT-symmetric optical waveguide arrays. <b>2019</b> , 27, 13858-13870	42
694	Topological beam-splitting in photonic crystals. <b>2019</b> , 27, 16088-16102	31
693	Tunable optical angular selectivity in hyperbolic metamaterial via photonic topological transitions. <b>2019</b> , 27, 18970-18979	12
692	Chiral light-matter interactions using spin-valley states in transition metal dichalcogenides. <b>2019</b> , 27, 21367-21379	13
691	Evolution of orbital angular momentum in a soft quasi-periodic structure with topological defects. <b>2019</b> , 27, 21667-21676	4
690	Topological all-optical logic gates based on two-dimensional photonic crystals. <b>2019</b> , 27, 25841-25859	37
689	First-principle calculation of Chern number in gyrotropic photonic crystals. <b>2020</b> , 28, 4638-4649	11
688	Optical-field topological phase transition in nonlinear frequency conversion. <b>2020</b> , 28, 2818-2827	2
687	Hybrid topological guiding mechanisms for photonic crystal fibers. <b>2020</b> , 28, 30871-30888	4
686	Mapping the design space of photonic topological states via deep learning. <b>2020</b> , 28, 27893-27902	12
685	Band characterization of topological photonic crystals using the broadband Green's function technique. <b>2020</b> , 28, 27223-27237	2
684	Enhancement of graphene Faraday rotation in the one-dimensional topological photonic crystals. <b>2020</b> , 28, 24560-24567	7
683	Multiple Dirac points by high-order photonic bands in plasmonic-dielectric superlattices. <b>2020</b> , 28, 37474-37486	
682	Manipulating the light-matter interaction in a topological photonic crystal heterostructure. <b>2020</b> , 28, 34904-34915	11
681	Edge solitons in Lieb topological Floquet insulator. <b>2020</b> , 45, 1459-1462	13
680	Controlling light emission by engineering atomic geometries in silicon photonics. <b>2020</b> , 45, 1631-1634	4
679	Bragg solitons in topological Floquet insulators. <b>2020</b> , 45, 2271-2274	13
678	Slow light waveguides in topological valley photonic crystals. <b>2020</b> , 45, 2648-2651	29

677	Topological valley plasmon transport in bilayer graphene metasurfaces for sensing applications. <b>2020</b> , 45, 3151-3154	12
676	Tunable light absorption of graphene using topological interface states. <b>2020</b> , 45, 4369-4372	6
675	Topological Anderson phase in quasi-periodic waveguide lattices. <b>2020</b> , 45, 4036-4039	6
674	Topological edge states of nonequilibrium polaritons in hollow honeycomb arrays. <b>2020</b> , 45, 5311-5314	2
673	Realizing topological edge states in a silicon nitride microring-based photonic integrated circuit. <b>2016</b> , 41, 4791-4794	11
672	Weakly nonlinear topological gap solitons in Su-Schrieffer-Heeger photonic lattices. <b>2020</b> , 45, 6466-6469	12
671	Bi-hyperbolic isofrequency surface in a magnetic-semiconductor superlattice. <b>2017</b> , 42, 4561-4564	10
670	Asymmetric topological edge states in a quasiperiodic Harper chain composed of split-ring resonators. <b>2018</b> , 43, 5142-5145	17
669	Non-Hermitian topological phase transition in PT-symmetric mode-locked lasers. <b>2019</b> , 44, 1190-1193	17
668	Probing topological phases in waveguide superlattices. <b>2019</b> , 44, 2530-2533	5
667	Rabi-like oscillation of photonic topological valley Hall edge states. <b>2019</b> , 44, 3342-3345	6
666	Observation of diffraction pattern in two-dimensional optically induced atomic lattice. <b>2019</b> , 44, 4123-4126	31
665	Strong coupling of optical interface modes in a 1D topological photonic crystal heterostructure/Ag hybrid system. <b>2019</b> , 44, 5642-5645	18
664	Tunable photonic devices by 3D laser printing of liquid crystal elastomers. <b>2020</b> , 10, 2928	14
663	Photonic Dirac monopoles and skyrmions: spin-1 quantization [Invited]. <b>2019</b> , 9, 95	36
662	Spin-orbit coupling in photonic graphene. <b>2020</b> , 7, 455	23
661	Realization of high-dimensional frequency crystals in electro-optic microcombs. <b>2020</b> , 7, 1189	13
660	Exceptional points in polaritonic cavities and subthreshold Fabry-Pérot lasers. <b>2020</b> , 7, 1015	12

659	Spectral photonic lattices with complex long-range coupling. <b>2017</b> , 4, 1433	50
658	Topological edge states in bichromatic photonic crystals. <b>2019</b> , 6, 96	14
657	Experimental realization of wave-packet dynamics in cyclic quantum walks. <b>2019</b> , 6, 174	7
656	Photonic crystal nanocavity based on a topological corner state. <b>2019</b> , 6, 786	141
655	Optically tunable topological photonic crystal. <b>2019</b> , 6, 839	42
654	Topological protection of two-photon quantum correlation on a photonic chip. <b>2019</b> , 6, 955	41
653	Observation of spin-polarized directive coupling of light at bound states in the continuum. <b>2019</b> , 6, 1305	21
652	Topological photonic crystal of large valley Chern numbers. <b>2020</b> , 8, B1	11
651	Topologically protected long-range coherent energy transfer. <b>2020</b> , 8, B39	4
650	Manipulating light radiation from a topological perspective. <b>2020</b> , 8, B25	10
649	Photonic two-particle quantum walks in Su-Schrieffer-Heeger lattices. <b>2021</b> , 9, A1	4
648	Active topological photonics. <b>2020</b> , 9, 547-567	78
647	Photonic flat-band lattices and unconventional light localization. <b>2020</b> , 9, 1161-1176	23
646	Reconfigurable topological waveguide based on honeycomb lattice of dielectric cuboids. <b>2020</b> , 9, 3451-3458	6
645	Polaritonic Tamm states induced by cavity photons. <b>2020</b> , 10, 513-521	6
644	Topological nanophotonics for photoluminescence control. <b>2020</b> , 10, 435-441	6
643	Hyperbolic nodal band structures and knot invariants. <b>2019</b> , 7,	8
642	Entanglement spectrum and symmetries in non-Hermitian fermionic non-interacting models. <b>2019</b> , 7,	28

641	ONE-WAY TOPOLOGICAL STATES ALONG VAGUE BOUNDARIES IN SYNTHETIC FREQUENCY DIMENSIONS INCLUDING GROUP VELOCITY DISPERSION (INVITED). <b>2020</b> , 169, 33-43	4
640	A Unified View of Topological Phase Transition in Band Theory. <b>2020</b> , 2020, 7832610	7
639	Topological wave insulators: a review. <b>2020</b> , 21, 467-499	2
638	Topological zero-energy modes in time-reversal-symmetry-broken systems. <b>2017</b> , 66, 220201	2
637	Quantum spin Hall effect in metamaterials. <b>2017</b> , 66, 227803	3
636	Topological surface plasmon polaritons. <b>2019</b> , 68, 224101	1
635	Influence of bias magnetic field direction on band structure of magnetic photonic crystal and its role in constructing topological edge states. <b>2020</b> , 69, 154102	2
634	Dirac Points and Topological Modes in Photonic Nanostructures. <b>2021</b> , 1-35	
633	Absorption Enhancement in Thin-Film Solar Cells using Integrated Photonic Topological Insulators. <b>2021</b> ,	1
632	Topological surface states at the free space termination of uncorrugated finite square photonic crystals. <b>2021</b> ,	
631	All-optically Control of Light Propagation in Valley-Hall Topological Waveguides of Graphene Metasurfaces. <b>2021</b> ,	
630	Topological guidance in novel photonic crystal fibers. <b>2021</b> ,	
629	Wave Steering by Relaying Interface States in a Valley-Hall-Derived Photonic Superlattice. <b>2021</b> , 16,	1
628	Topological and hyperbolic dielectric materials from chirality-induced charge-parity symmetry. <b>2021</b> , 104,	0
627	Chiral Topological Surface States on a Finite Square Photonic Crystal Bounded by Air. <b>2021</b> , 16,	0
626	Near-Field Imaging and Time-Domain Dynamics of Photonic Topological Edge States in Plasmonic Nanochains. <b>2021</b> , 21, 9270-9278	4
625	Excitations of a Bose-Einstein condensate and the quantum geometry of a flat band. <b>2021</b> , 104,	1
624	Topological phase transition and thermal Hall effect in kagome ferromagnets. <b>2021</b> , 104,	1

623	Design of topological elastic waveguides. <b>2021</b> , 130, 141101	6
622	Inelastic Scattering of Electron Beams by Nonreciprocal Nanostructures. <b>2021</b> , 127, 157404	1
621	Nonreciprocal photonic composited SuSchriefferHaleeger chain. <b>2021</b> , 119, 141108	0
620	Zero-index and hyperbolic metacavities: fundamentals and applications. <b>2022</b> , 55, 083001	6
619	Multi-class, multi-functional design of photonic topological insulators by rational symmetry-indicators engineering. <b>2021</b> ,	4
618	Single-mode lasing based on PT-breaking of two-dimensional photonic higher-order topological insulator. <b>2021</b> , 104,	0
617	Superior robustness of anomalous non-reciprocal topological edge states. <b>2021</b> , 598, 293-297	4
616	Nanophotonic manipulation of optical angular momentum for high-dimensional information optics.	3
615	Topological phonon-polariton funneling in midinfrared metasurfaces. <b>2021</b> , 374, 225-227	10
614	Topologically protected second harmonic generation via doubly resonant high-order photonic modes. <b>2021</b> , 104,	3
613	Magnetic flux flows of optical quasi binormal magnetic flows with flux density. 1-24	
612	Topological Photonics on a Small Scale. 2100065	7
611	Takagi topological insulator with odd PT pairs of corner states. <b>2021</b> , 104,	0
610	Supertoroidal light pulses as electromagnetic skyrmions propagating in free space. <b>2021</b> , 12, 5891	14
609	Adiabatic Pumping in a Generalized AubryAndrModel Family with Mobility Edges. 2100270	0
608	Trapping light in a Floquet topological photonic insulator by Floquet defect mode resonance. <b>2021</b> , 6, 116101	3
607	Time-reversal symmetric topological metal. <b>2021</b> , 104,	0
606	Tuning of the Berry curvature in 2D perovskite polaritons. <b>2021</b> ,	7

- 605 Fractal-like photonic lattices and localized states arising from singular and nonsingular flatbands. 6
- 604 Quench Dynamics and Bulk-Edge Correspondence in Nonlinear Mechanical Systems. **2021**, 90, 1
- 603 Lattice Topology Dictates Photon Statistics in One-Dimensional Disordered Lattices. **2015**,
- 602 Design for Dielectric Slab Photonic Crystals to Realize Topological Edge States. **2016**,
- 601 All-Dielectric Three-Dimensional Photonic Topological Metacrystals. **2016**,
- 600 Photon pair generation in silicon protected by topology. **2016**,
- 599 Measuring the Topological Phase Through the Interface States Between Metasurfaces and Photonic Crystals. **2016**,
- 598 Robust Light State by Quantum Phase Transition in Non-Hermitian Optical Materials. **2016**,
- 597 Topological Optical Waveguiding in Silicon and Beating between Trivial and Topological Defect Modes. **2016**,
- 596 Chiral Photonic Limiters Utilizing Topologically Protected Defect States. **2017**,
- 595 Topological phase transitions in core-shell gyromagnetic photonic crystal. **2017**, 66, 224102 1
- 594 Molding the Spin Flow of Light in Valley Photonic Crystals. **2017**,
- 593 Topologically Enabled Optical Nanomotors. **2017**, 1
- 592 Multiple topological phases in phononic crystals. **2017**, 66, 227804 1
- 591 Photonic Weyl Point in a 2D Resonator Array with a Synthetic Frequency Dimension. **2017**,
- 590 Subwavelength topological valley-spin states in the space-coiling acoustic metamaterials. **2017**, 66, 228101 3
- 589 Observation of edge states at telecom wavelengths in topological photonic crystal. **2017**,
- 588 Unidirectional propagation of light in valley photonic crystals by OAM excitation. **2017**,



- 587 Entangled photons in 2D topological photonic systems. **2017**,
- 586 Valley-controlled light flow in a photonic crystal waveguide. **2018**,
- 585 Switchable Topological Edge States in Next-Nearest-Neighbour Coupled Resonator Lattices. **2018**,
- 584 Topological confinement of light in photonic crystals. **2018**,
- 583 Novel materials and devices bring new opportunities for holographic display. **2018**, 67, 024213
- 582 Boundary modes in quasiperiodic elastic structures. **2018**,
- 581 Effect of lattice topology on photon statistics. **2018**,
- 580 Topological acoustic transports in chiral sonic crystals. **2019**, 68, 227802 1
- 579 Experimental Band Structure Spectroscopy along the Synthetic Dimension. **2019**,
- 578 Design of terahertz reconfigurable devices by locally controlling topological phases of square gyro-electric rod arrays. **2019**, 9, 544 5
- 577 Supersymmetric transformations of photonic topological systems. **2019**,
- 576 Repair of pseudo time-reversal broken by topological phase transition in a photonic crystal slab. **2019**,
- 575 Floquet Chern Insulators of Light. **2019**, 1
- 574 Conclusion and Outlook. **2019**, 83-85
- 573 Nanocavity based on a topological corner state in a two-dimensional photonic crystal. **2019**, 1
- 572 Topological Photonic Crystal Nanocavities. **2019**, 47, 351
- 571 Photonic analogues of the Haldane and Kane-Mele models. **2019**, 0
- 570 Numerical design of frequency-split Weyl points in Weyl metamaterial. **2020**, 69, 154204

- 569 Nonscattering Large Purcell Enhancement in Topological Photonic Structure. **2020**,
- 568 Nonlinear optical interactions of topological modes of photonic nanostructures. **2020**,
- 567 Extraordinary spin-orbit interaction in the plasmonic lens with negative index material. **2020**, 28, 26543-26554 1
- 566 Disorder-protected quantum state transmission through helical coupled-resonator waveguides. **2020**, 8, B15 4
- 565 Universal semiclassical equations based on the quantum metric for a two-band system. **2021**, 104, 0
- 564 Observation of miniaturized bound states in the continuum with ultra-high quality factors. **2021**, 67, 359-359 9
- 563 Dynamically Emerging Topological Phase Transitions in Nonlinear Interacting Soliton Lattices. **2021**, 127, 184101 3
- 562 Graphene-based dual-band near-perfect absorption in Rabi splitting between topological edge and Fabry-Perot cavity modes. 2
- 561 Topological Higgs amplitude modes in strongly interacting superfluids. **2021**, 104, 0
- 560 Robust gapped surface states and filtering effect in a photonic topological gyroelectromagnetic metamaterial. **2021**, 104, 0
- 559 Unidirectional electromagnetic wave transmission in hyperbolic-gyroelectric metamaterials. **2021**,
- 558 Elementary Optical Catastrophes and Caustic-Based Photonic Structures. **2020**, 51-107
- 557 Real-space observation of topological invariants in 2D photonic systems. **2020**, 28, 39492-39500 2
- 556 Topological Dynamic Matter. **2021**, 12, 454-462
- 555 Theory of Momentum-to-Real Space Mapping of Topological Singularities. **2020**,
- 554 Chiral coupling of a quantum emitter in a topological photonic resonator. **2020**,
- 553 Topologically-protected Propagation in Graphene Plasmonic Crystal Waveguides. **2020**,
- 552 Conclusion and Outlook. **2020**, 157-162

- 551 Deterministic generation of topologically-protected bound states in the continuum by breaking spatial symmetry. **2020**,
- 550 Topological phase transition based on structure reversal of two-dimensional photonic crystals and construction of topological edge states. **2020**, 69, 184101 4
- 549 Manifestation of a topological gapless phase in a two-dimensional chiral symmetric system through Loschmidt echo. **2020**, 101,
- 548 Measuring Optical Spin in the Near Field of Photonic Topological Edge States. **2020**,
- 547 Observation of the anisotropic exceptional point in cavity magnonics system. **2020**, 69, 047103
- 546 Plasmonic band structures and its applications. **2020**, 69, 157301 2
- 545 Automation of the Opal Colloidal Films Obtaining Processes. **2020**, 1044-1052 0
- 544 Coupled edge modes supported by a microwave metasurface. **2020**, 45, 1778-1781
- 543 Non-Hermitian Weyl Semimetals: Non-Hermitian Skin Effect and non-Bloch Bulk-Boundary Correspondence. 2
- 542 Rays, waves,  $SU(2)$  symmetry and geometry: toolkits for structured light. 9
- 541 Valley Hall edge solitons in a photonic graphene. **2021**, 29, 39755-39765 2
- 540 Direct measurement of a non-Hermitian topological invariant in a hybrid light-matter system. **2021**, 7, eabj8905 6
- 539 Topology of Orientational Defects in Confined Smectic Liquid Crystals. **2021**, 127, 198001 3
- 538 Efficient nonreciprocal mode transitions in spatiotemporally modulated acoustic metamaterials. **2021**, 7, eabj1198 6
- 537 Topological, nonreciprocal, and multiresonant slow light beyond the time-bandwidth limit. **2021**, 119, 190501 1
- 536 Details of the topological state transition induced by gradually increased disorder in photonic Chern insulators. **2020**, 28, 31487-31498 4
- 535 Optical edge modes in ThueMorse sequence-based distributed reflector. **2020**, 53, 495101
- 534 Topological optomechanically induced transparency. **2020**, 45, 5966-5969 0

- 533 Current-induced nonreciprocity and refraction-suppressed propagation in a multilayered graphene-dielectric crystal. **2021**, 54, 065101
- 532 Non-Trivial Transport Interface in a Hybrid Topological Material With Hexagonal Lattice Arrangement. **2020**, 8, 0
- 531 Two-Dimensional Waves in A Chiral Elastic Chain: Dynamic Green's Matrices and Localised Defect Modes. **2021**, 73, 305-328 1
- 530 Topological nanophotonics for integrated devices. **2021**,
- 529 Fragile topological insulators protected by rotation symmetry without spin-orbit coupling. **2021**, 104, 1
- 528 Synthetic Three-Dimensional  $Z\bar{2}$  Topological Insulator in an Elastic Metacrystal. **2021**, 127, 214302 2
- 527 Boundary problems in cellular automata for topological insulators. **2021**, 2094, 022079
- 526 Topological Nanophotonic Wavelength Router Based on Topology Optimization.. **2021**, 12, 2
- 525 Large-area unidirectional surface magnetoplasmons using uniaxial Ehear-zero material. **2021**, 46, 5978-5981 0
- 524 Observation of elastic spin with chiral meta-sources. **2021**, 12, 6954 1
- 523 Tunable terahertz Dirac-semimetal hybrid plasmonic waveguides. 3
- 522 Bulk-edge correspondence and trapping at a non-Hermitian topological interface.. **2021**, 46, 6107-6110 2
- 521 Past and Present Trends in the Development of the Pattern-Formation Theory: Domain Walls and Quasicrystals. **2021**, 3, 1015-1045 0
- 520 Efficient and stable wireless power transfer based on the non-Hermitian physics. 0
- 519 Josephson oscillations of edge quasi-solitons in a photonic-topological coupler.. **2021**, 46, 6067-6070 0
- 518 A Review of Topological Semimetal Phases in Photonic Artificial Microstructures. **2021**, 9, 2
- 517 Strong light-matter coupling in topological metasurfaces integrated with transition metal dichalcogenides. **2021**, 2015, 012142
- 516 Transfer-matrix method of circular polarization light in an axionic photonic insulator. **2021**, 104,

515	Dissipative Kerr solitons at the edge state of the Su-Schrieffer-Heeger model. <b>2021</b> , 2015, 012159	
514	Topologically Protecting Squeezed Light on a Photonic Chip.	1
513	Machine-learning-driven on-demand design of phononic beams. <b>2022</b> , 65, 1	7
512	First Principles Calculation of the Topological Phases of the Photonic Haldane Model. <b>2021</b> , 13, 2229	0
511	Revealing topology with transformation optics. <b>2021</b> , 12, 6887	0
510	Observing multifarious topological phase transitions with real-space indicator. <b>2021</b> ,	
509	The topological counterparts of non-Hermitian SSH models.	1
508	Topological pumping in acoustic waveguide arrays with hopping modulation.	1
507	Multi-particle resonant optical sorting using topological photonic structure.	1
506	Quantum phase transition of light in the dissipative Rabi-Hubbard lattice: A dressed-master-equation perspective. <b>2021</b> , 104,	0
505	Topological photonic Su-Schrieffer-Heeger-type coupler. <b>2021</b> , 104,	0
504	Photonic Spin Lattices: Symmetry Constraints for Skyrmion and Meron Topologies.. <b>2021</b> , 127, 237403	8
503	Observing 0D subwavelength-localized modes at ~100 THz protected by weak topology. <b>2021</b> , 7, eabl3903	1
502	New optical hybrid electromotive of B2- ferromagnetic fiber with some optical applications. <b>2021</b> , 168190	1
501	Hopf index and the helicity of circularly-polarised twisted light.	0
500	Wavelet-based Edge Multiscale Finite Element Method for Helmholtz problems in perforated domains. <b>2021</b> , 19, 1684-1709	
499	Manipulating electromagnetic radiation of one-way edge states by magnetic plasmonic gradient metasurfaces.	1
498	Nonlinear edge modes from topological one-dimensional lattices. <b>2022</b> , 105,	1

- 497 Valley-Hall Topological Transport in Graphene Plasmonic Crystal Waveguides. **2020**,
- 496 Laser solitons: topological and quantum phenomena. **2022**, 65, 2
- 495 Absorption Reduction of Large Purcell Enhancement Enabled by Topological State-Led Mode Coupling. **2021**,
- 494 Topological multiband photonic chain with one pair of loss and gain defects. **2021**,
- 493 Analysis of Topological Slow-Light by a Tailored Transfer-Matrix Method. **2021**,
- 492 Quantum Computing and Simulations for Energy Applications: Review and Perspective. 4
- 491 Block copolymer gyroids for nanophotonics: significance of lattice transformations. **2021**, 2
- 490 Roadmap on topological photonics. 4
- 489 A perspective on elastic metastructures for energy harvesting. **2022**, 120, 020501 6
- 488 Topological dislocation modes in three-dimensional acoustic topological insulators.. **2022**, 13, 508 6
- 487 Topological Phononic Logic.. **2022**, 128, 015501 3
- 486 Chern invariants of topological continua: A self-consistent nonlocal hydrodynamic model. **2022**, 105, 3
- 485 From the Topological Spin-Hall Effect to the Non-Hermitian Skin Effect in an Elliptical Micropillar Chain. 4
- 484 Tunable and programmable topological valley transport in photonic crystals with liquid crystals. **2022**, 55, 155102 2
- 483 Optical pulling using topologically protected one way transport surface-arc waves. **2022**, 105, 0
- 482 Flexural wave energy harvesting by the topological interface state of a phononic crystal beam. **2022**, 50, 101578 6
- 481 Liquid Crystalline Half-Skyrmions and Their Optical Properties. **2022**, 534, 2100336 0
- 480 Magnetic-Optic Effect-Based Topological State: Realization and Application. **2022**, 8, 3

479	Recent Progress in Chiral Topological Quantum Interface. <b>2022</b> , 10,	
478	Dual-band all-dielectric chiral photonic crystal. <b>2022</b> , 55, 165303	1
477	Realizing Persistent-Spin-Helix Lasing in the Regime of Rashba-Dresselhaus Spin-Orbit Coupling in a Dye-Filled Liquid-Crystal Optical Microcavity. <b>2022</b> , 17,	1
476	Asymmetric topological pumping in nonparaxial photonics.. <b>2022</b> , 13, 249	2
475	Nonreciprocal and Non-Hermitian Material Response Inspired by Semiconductor Transistors.. <b>2022</b> , 128, 013902	3
474	Introduction. <b>2022</b> , 1-5	
473	Multiple One-Way Edge Modes in Sonic Crystals With Large Chern Numbers. <b>2022</b> , 10,	0
472	Topological properties of non-isotropic 2D SSH models. <b>2022</b> ,	
471	Generalized Su-Schrieffer-Heeger Model in One Dimensional Optomechanical Arrays. <b>2022</b> , 9,	0
470	Topological multipolar corner state in supercell metasurface and its interplay with two-dimensional materials.	1
469	Topological thermal Hall effect and magnonic edge states in kagome ferromagnets with bond anisotropy.	0
468	An Analytical Method for Evaluating the Robustness of Photonic Integrated Circuits. <b>2022</b> , 40, 776-784	1
467	Topological transitions in arrays of dipoles coupled to a cavity waveguide. <b>2022</b> , 4,	0
466	Topological cavity laser with valley edge states.. <b>2022</b> , 30, 4965-4977	0
465	Nodal lines in momentum space: topological invariants and recent realizations in photonic and other systems. <b>2022</b> ,	0
464	Far-field optical imaging of topological edge states in zigzag plasmonic chains. <b>2022</b> ,	1
463	Valley-dependent Topological Photonic Crystals with Heterogeneous Bearded Interfaces for SOI-based Integrated Optical Devices. <b>2022</b> , 1-1	
462	Photonic topological Lifshitz interfaces. <b>2022</b> ,	1

461	Bulk properties of honeycomb lattices of superconducting microwave resonators. <b>2022</b> , 4,	0
460	Higher-order Dirac semimetal in a photonic crystal. <b>2022</b> , 105,	2
459	Nanophotonics-inspired all-silicon waveguide platforms for terahertz integrated systems. <b>2022</b> ,	6
458	Unidirectional transmission of visible region topological edge states in hexagonal boron nitride valley photonic crystals.. <b>2022</b> , 30, 6275-6283	3
457	Toroidal dipole resonances by a sub-wavelength all-dielectric torus.. <b>2022</b> , 30, 7491-7500	1
456	Observation and control of pseudospin switching in a finite-width topological photonic crystal.. <b>2022</b> , 30, 5731-5738	0
455	Valley Hall edge solitons in honeycomb lattice with an armchair-type domain wall.	
454	Angular engineering strategy of an additional periodic phase for widely tunable phase-matched deep-ultraviolet second harmonic generation.. <b>2022</b> , 11, 31	4
453	Topological phases of non-Hermitian SSH model with spin-orbit coupling. <b>2022</b> , 168727	1
452	Temperature-dependent evolution of topological surface states. <b>2022</b> , 125, 106829	0
451	Imaging with metamaterials. <b>2022</b> , 4, 85-100	10
450	Computational Electromagnetics: A Miscellany. <b>2021</b> , 4, 881-896	1
449	Chiral phonons and pseudoangular momentum in nonsymmorphic systems. <b>2022</b> , 4,	2
448	Observation of Edge Solitons in Topological Trimer Arrays.. <b>2022</b> , 128, 093901	4
447	Progress in Topological Mechanics. <b>2022</b> , 12, 1987	0
446	Non-Hermitian metasurface with non-trivial topology. <b>2022</b> , 11, 1159-1165	2
445	Polariton condensation into vortex states in the synthetic magnetic field of a strained honeycomb lattice. <b>2022</b> , 12,	1
444	Topological optical parametric oscillation. <b>2022</b> ,	2



443	Nearly Perfect Transmission and Transformation of Entangled States in Topologically Protected Channels. 2100519		0
442	High tunability and sensitivity of 1D topological photonic crystal heterostructure. <b>2022</b> , 24, 035004		2
441	Type-II Weyl Excitation in Vortex Arrays. <b>2022</b> , 17,		0
440	A large-scale single-mode array laser based on a topological edge mode. <b>2022</b> ,		2
439	Spin-Selective Currents of Tamm Polaritons. <b>2022</b> , 17,		0
438	Automorphic Bloch theorems for hyperbolic lattices.. <b>2022</b> , 119,		3
437	Dissipative Floquet dynamical quantum phase transition. <b>2022</b> , 105,		1
436	Topologically protected quantum entanglement emitters. <i>Nature Photonics</i> , <b>2022</b> , 16, 248-257	33.9	4
435	Non-Hermitian CNH=2 Chern insulator protected by generalized rotational symmetry. <b>2022</b> , 105,		0
434	Loss leads the way to utopia.		0
433	Subspace-induced Dirac point and nondissipative wave dynamics in a non-Hermitian optical lattice. <b>2022</b> , 105,		2
432	Edge-mode polariton chains in the dielectric whispering gallery modes and two-dimensional material topological system.		
431	Three-dimensional Dirac semimetal metamaterial enabled by negative couplings. <b>2022</b> , 24, 033025		1
430	Acoustic MBius Insulators from Projective Symmetry.. <b>2022</b> , 128, 116803		5
429	Gigahertz topological valley Hall effect in nanoelectromechanical phononic crystals. <b>2022</b> , 5, 157-163		4
428	Experimental observation of edge states in SSH-Stub photonic lattices. <b>2022</b> , 4,		1
427	Phase space crystal vibrations: Chiral edge states with preserved time-reversal symmetry. <b>2022</b> , 105,		1
426	Meta-coupler arrays linking propagating waves and photonic topological modes on a chip.. <b>2022</b> , 47, 1582-1585		

- 425 Form-preserving Darboux transformations for  $4 \times 4$  Dirac equations. **2022**, 137, 1
- 424 Coexisting valley and pseudo-spin topological edge states in photonic topological insulators made of distorted Kekulé lattices. **2022**, 10, 999 ○
- 423 Terahertz topological photonic waveguide switch for on-chip communication. **2022**, 10, 1090 2
- 422 Thermal Hall Effect of Magnons in Collinear Antiferromagnetic Insulators: Signatures of Magnetic and Topological Phase Transitions.. **2022**, 128, 117201 ○
- 421 Highly band-selective meta-surfaces exhibiting perfect near infrared absorption and concurrent visible band sensing: A numerical study. 1
- 420 Deep learning for topological photonics. **2022**, 7, 2
- 419 Temperature-Dependent Evaluation of Charge Carriers and Terahertz Generation in Bismuth and Antimony-Based Chalcogenides.
- 418 Low Index Contrast Valley Hall Topological Photonics for Robust Transport in the Visible Spectrum. **2022**, 9, 922-928
- 417 Signature of edge states in resonant wave scattering. **2022**, 105, 1
- 416 Topological Pumping in Doubly Modulated Mechanical Systems. **2022**, 17, ○
- 415 Engineering rainbow trapping and releasing in valley photonic crystal with electro-optical material. **2022**, 39, 1241 ○
- 414 Topological protection of partially coherent light.
- 413 Nonlinear non-Hermitian higher-order topological laser. **2022**, 4, 2
- 412 Higher-order valley vortices enabled by synchronized rotation in a photonic crystal. 2
- 411 Photonic topological insulators in bianisotropic metamaterials.. **2022**, 30, 9944-9958 ○
- 410 High-speed infrared photonic band microscope using hyperspectral Fourier image spectroscopy.. **2022**, 47, 2430-2433 ○
- 409 Dynamical nonlinear higher-order non-Hermitian skin effects and topological trap-skin phase. **2022**, 105, ○
- 408 Pattern-tunable synthetic gauge fields in topological photonic graphene. **2022**, 11, 1297-1308 ○

407	Fundamentals and Applications of Topological Polarization Singularities. <b>2022</b> , 10,	
406	Topological Transition and Majorana Zero Modes in 2D Non-Hermitian Chiral Superconductor with Anisotropy.. <b>2022</b> ,	1
405	Non-Hermitian laser arrays with tunable phase locking.. <b>2022</b> , 47, 2040-2043	0
404	Extended topological valley-locked surface acoustic waves.. <b>2022</b> , 13, 1324	4
403	Pseudo-spin-valley coupled topological states protected by different symmetries in photonic crystals.. <b>2022</b> , 47, 2044-2047	2
402	Topologically Protected Polarization Quantum Entanglement on a Photonic Chip. <b>2022</b> , 1, 100003	2
401	Bound states in the continuum on flatbands of symmetry-broken photonic crystal slabs.	0
400	Asymmetric Topological Valley Edge States on Silicon-On-Insulator Platform. 2100631	1
399	Selective excitation of optical vortex modes with specific charge numbers in band-tuned topological waveguides.. <b>2022</b> , 47, 2190-2193	0
398	Nonlinear signatures of Floquet band topology. <b>2022</b> , 105,	1
397	Ultracompact Photonic Circuits without Cladding Layers. <b>2022</b> , 12,	3
396	Valley topological line-defects for Terahertz waveguides and power divider. <b>2022</b> , 126, 112152	
395	Topological Anderson insulators induced by random binary disorders. <b>2022</b> , 431, 128004	0
394	Vector valley Hall edge solitons in the photonic lattice with type-II Dirac cones. <b>2022</b> , 17, 1	0
393	Electrically Tunable and Reconfigurable Topological Edge State Laser. <b>2022</b> , 3, 107-116	
392	Observation of Weyl exceptional rings in thermal diffusion.. <b>2022</b> , 119, e2110018119	1
391	Relationship between the Electronic Polarization and the Winding Number in Non-Hermitian Systems. <b>2022</b> , 91,	1
390	Direct observation of terahertz topological valley transport.. <b>2022</b> , 30, 14839-14850	2

- 389 Non-reciprocal diplexer and power combiner/divider from topological cavities with both splitting and combining functions. **2022**, 12, 045112
- 388 Electrically tunable topological interface states in one-dimensional nanomechanical lattices. **2022**, 105, 1
- 387 Multi-orbital topoelectrical circuit for topological quantum states. **2022**, 6, 021001
- 386 Topological near-field heat flow in a honeycomb lattice. **2022**, 190, 122796 2
- 385 Spin waves and Dirac magnons in a honeycomb-lattice zigzag antiferromagnet BaNi<sub>2</sub>(AsO<sub>4</sub>)<sub>2</sub>. **2021**, 104, 0
- 384 On the Topological Structure of Nonlocal Continuum Field Theories. **2022**, 2, 20-84 1
- 383 Experimental realization of topologically protected unidirectional surface magnon polaritons on ceramic YIG ferrites. **2021**, 104, 2
- 382 Topological Edge-Mode Characterization Using Foldy-Lax Multiple Scattering Theory and Interpretation with Classical EM Theory. **2021**, 2
- 381 PT symmetric dynamics in counter-rotating gyroscopic mechanical systems. **2021**, 11, 125224
- 380 Manifestation of the Gyrotropy of Topological Media in Nonlinear Optical Processes. **2021**, 85, 1429-1433
- 379 Bound Topological Edge State in the Continuum for All-Dielectric Photonic Crystals. **2021**, 16, 1
- 378 Hyperbolic optics and superlensing in room-temperature KTN from self-induced k-space topological transitions.. **2021**, 12, 7241 0
- 377 Perspective on the topological rainbow. **2021**, 119, 230505 2
- 376 Plasmonic metasurfaces manipulating the two spin components from spin-orbit interactions of light with lattice field generations. **2022**, 11, 391-404
- 375 Terahertz Valley Transport in Photonic Crystal Slab. **2021**,
- 374 Realization of Exciton-Mediated Optical Spin-Orbit Interaction in Organic Microcrystalline Resonators. **2022**, 16, 2100252 1
- 373 Nonequilibrium lateral force and torque by thermally excited nonreciprocal surface electromagnetic waves. **2021**, 104, 0
- 372 High-Quality Optical Hotspots with Topology-Protected Robustness. **2022**, 9, 241-248 0

371	Floquet Edge Multicolor Solitons. <b>2022</b> , 16, 2100398	1
370	Demonstration of negative refraction induced by synthetic gauge fields. <b>2021</b> , 7, eabj2062	2
369	Constructing higher-order topological states in higher dimensions. <b>2021</b> , 104,	1
368	Non-Hermitian bulk-boundary correspondence and singular behaviors of generalized Brillouin zone. <b>2021</b> , 23, 123007	2
367	General Rules Governing the Dynamical Encircling of an Arbitrary Number of Exceptional Points.. <b>2021</b> , 127, 253901	2
366	Nonlinearity-induced transition in the nonlinear Su-Schrieffer-Heeger model and a nonlinear higher-order topological system. <b>2021</b> , 104,	2
365	Optical response of two-dimensional Dirac materials with a flat band. <b>2022</b> , 105,	1
364	Switching and tuning of the topological edge states from two-dimensional photonic crystal with liquid crystal medium. <b>2022</b> , 115240	0
363	On-Chip Active Control of Ultra-High-Q Terahertz Photonic Topological Cavities.. <b>2022</b> , e2202370	6
362	Chiral States in Coupled-Lasers Lattice by On-Site Complex Potential.. <b>2022</b> , 128, 163901	0
361	Topological Diffraction from Grating with Space Variant Chirality. <b>2022</b> , 9, 1395-1399	0
360	Topological phase singularities in atomically thin high-refractive-index materials.. <b>2022</b> , 13, 2049	5
359	Three-Dimensional Printed Planar Polymer Photonic Topological Insulator Waveguides and Their Robustness to Lattice Defects.	0
358	Topological magnon modes on honeycomb lattice with coupling textures.. <b>2022</b> , 12, 6257	0
357	Dual-channel tunable near-infrared absorption enhancement with graphene induced by coupled modes of topological interface states.	1
356	Time-reversal-symmetry breaking and chiral quantum state manipulation in plasmonic nanorings. <b>2022</b> , 105,	0
355	Nonlinear topological phase transitions in the dimerized sine-Gordon model. <b>2022</b> , 105,	1
354	Higher-order topological biphoton corner states in two-dimensional photonic lattices. <b>2022</b> , 4,	

- 353 Topological pumping and Tamm states in photonic systems. **2022**, 105,
- 352 Data\_Sheet\_1.PDF. **2018**,
- 351 Brillouin Klein bottle from artificial gauge fields.. **2022**, 13, 2215 ○
- 350 Supercontinuum Generation in Second-Order Topological Fibers Composed of Hexagonal Chalcogenide Photonic Crystals.
- 349 Field distribution of the  $\langle Z \rangle^2$  topological edge state revealed by cathodoluminescence nanoscopy. **2022**, 5, 210015-210015
- 348 Topological fine structure of smectic grain boundaries and tetratic disclination lines within three-dimensional smectic liquid crystals.. **2022**, 1
- 347 High Q-factor terahertz topological ring resonator. **2022**,
- 346 Topological Surface State by Hierarchical Concatenation of Photonic Stopbands. **2022**,
- 345 Topological hydrodynamic modes and holography. **2022**, 105, ○
- 344 A Short Review of All-Dielectric Topological Photonic Crystals. **2022**, 10, 1
- 343 Topological Refraction in Kagome Split-Ring Photonic Insulators.. **2022**, 12, ○
- 342 Topological Band Gaps Enlarged in Epsilon-Near-Zero Magneto-Optical Photonic Crystals. ○
- 341 Robust Interface States on Topological Photonic Crystals Composed of Hexagonal Rods. **2022**, 52,
- 340 Topological transitions and Anderson localization of light in disordered atomic arrays. **2022**, 105, ○
- 339 Selective and tunable excitation of topological non-Hermitian quasi-edge modes. **2022**, 478, ○
- 338 Realizing quasi-monochromatic switchable thermal emission from electro-optically induced topological phase transitions.. **2022**, 12, 7400 1
- 337 Chip-scale Floquet topological insulators for 5G wireless systems. 1
- 336 Circuit quantum electrodynamics simulator of the two-dimensional Su-Schrieffer-Heeger model: higher-order topological phase transition induced by a continuously varying magnetic field. **2022**, 30, 17054 ○

- 335 Gap solitons in a one-dimensional driven-dissipative topological lattice. 1
- 334 Role of unit cell defects in terahertz topological ring resonators. 0
- 333 Coherent interaction of a quantum emitter and the edge states in two-dimensional optical topological insulators. **2022**, 105, 1
- 332 Multifunctional and Transformative Metaphotonics with Emerging Materials.. **2022**, 4
- 331 Truncation-dependent PT phase transition for the edge states of a two-dimensional non-Hermitian system. **2022**, 105, 2
- 330 Nonlinear optical response of type-II Weyl fermions in two dimensions. **2022**, 105, 0
- 329 Topological phase transition induced by gain and loss in a photonic Chern insulator. **2022**, 105, 0
- 328 Advances and Prospects in Topological Nanoparticle Photonics. 2
- 327 Ideal nodal rings of one-dimensional photonic crystals in the visible region.. **2022**, 11, 134 0
- 326 Topological phase transitions and Weyl semimetal phases in chiral photonic metamaterials. 0
- 325 High capacity topological coding based on nested vortex knots and links.. **2022**, 13, 2705 2
- 324 Trapping and self-assembly of particles by photonic chiral surface waves. **2022**, 105, 0
- 323 Configurable topological beam splitting via antichiral gyromagnetic photonic crystal. **2022**, 1, 220001-220001 2
- 322 Experimental verification of ill-defined topologies and energy sinks in electromagnetic continua. **2022**, 4, 0
- 321 Manipulation of acoustic vortex with topological dislocation states. **2022**, 120, 212202 0
- 320 Observation of novel topological states in hyperbolic lattices. **2022**, 13, 1
- 319 High Efficiency Topological Pumping with Discrete Supersymmetry Transformations. 0
- 318 Disorder-Driven Collapse of Topological Phases in Photonic Topological Insulator. 2200214 0

- 317 Emergence of bilayer-locked states and synthesis of elastic wave networks in a programmable 3D topological metamaterial. **2022**, 120, 221703
- 316 Tunable optical topological transition of Cherenkov radiation. 0
- 315 Tunable Angle-Selective Optical Transparency Induced by Photonic Topological Transition in Dirac Semimetals-based Hyperbolic Metamaterials. 2
- 314 Equatorial magnetoplasma waves. **2022**, 105, 0
- 313 Engineering a U(1) lattice gauge theory in classical electric circuits. **2022**, 105, 1
- 312 Energy density as a probe of band representations in photonic crystals. 0
- 311 Topological Kerr effect in the graphene family materials. 1
- 310 Topological acoustic tweezer and pseudo-spin states of acoustic topological insulators. **2022**, 120, 222202 1
- 309 Mode-selective single-dipole excitation and controlled routing of guided waves in a multi-mode topological waveguide. **2022**, 120, 221702 0
- 308 Experimental study of electromagnetic wave scattering from a gyrotropic gaseous plasma column. **2022**, 120, 223101 3
- 307 Rotation controlled topological edge states in a trimer chain composed of meta-atoms. **2022**, 24, 063001 1
- 306 Multiport Routing of Topologically Optical Transport Based on Merging of Valley-Dependent Edge States and Second-Order Corner States. 10, 0
- 305 Topological Hall transport: materials, mechanisms and potential applications. **2022**, 100971 2
- 304 Study on unidirectional propagation control of helical edge states in topological spin photonic crystals. **2022**, 0
- 303 Optically and Chemically Controllable Light Flow in Topological Plasmonic Waveguides Based on Graphene Metasurfaces. **2022**, 0
- 302 Experimental Observation of Non-Abelian Earring Nodal Links in Phononic Crystals. **2022**, 128, 0
- 301 Topological and dynamical phase transitions in the Su-Schrieffer-Heeger model with quasiperiodic and long-range hoppings. 0
- 300 Three-dimensional Weyl topology in one-dimensional photonic structures. **2022**, 11, 0



- 299 Breaking reciprocity by designed loss. **2022**, 39, 1926 0
- 298 Temperature control of electromagnetic topological edge states. **2022**, 120, 233105 0
- 297 Reconfigurable Topological States in Arrays of Bianisotropic Particles. 0
- 296 Experimental realization of boundary-obstructed topological insulators using acoustic two-dimensional Su-Schrieffer-Heeger network. **2022**, 120, 253508
- 295 Geometry-dependent skin effects in reciprocal photonic crystals. **2022**, 0
- 294 Reciprocity Constraints on Reflection. **2022**, 128, 0
- 293 Three-dimensional photonic topological insulator without spin-orbit coupling. **2022**, 13, 0
- 292 Photonic topological semimetals in bigyrotropic metamaterials. 0
- 291 Impact of PT-symmetric imaginary potentials on edge states of one-dimensional rhombus lattice. **2022**, 39, 105674
- 290 Pseudospin Topological Phase Transition Induced by Rotation Operation in Two-Dimensional Dielectric Photonic Crystal with C<sub>6</sub> Symmetry.
- 289 Asymmetric Transport Computations in Dirac Models of Topological Insulators.
- 288 Topologically Protected All-Optical Memory. 2200579 2
- 287 Calculation of the Berry curvature and Chern number of topological photonic crystals. 0
- 286 Anomalous bulk-edge correspondence and dual-band topologically protected edge states in magnetized plasma. **2022**, 105, 0
- 285 Location and Topology of the Fundamental Gap in Photonic Crystals. **2022**, 12, 1
- 284 Broadband Multiple Topological Rainbows. 2200137 0
- 283 Observation of Topological Edge States in Thermal Diffusion. 2202257 2
- 282 Topological Properties of a Two-Dimensional Photonic Square Lattice without C<sub>4</sub> and M<sub>x(y)</sub> Symmetries. 0

281	Topological Anderson insulators with different bulk states in quasiperiodic chains. <b>2022</b> , 105,	0
280	Quantum topology in the ultrastrong coupling regime. <b>2022</b> , 12,	1
279	Topology-empowered membrane devices for terahertz photonics. <b>2022</b> , 4,	2
278	Observation of nonlinearity-controlled switching of topological edge states. <b>2022</b> ,	2
277	Realization of topological superlattices and the associated interface states in one-dimensional plasmonic crystals. <b>2022</b> , 106,	
276	Giant effective Zeeman splitting in a monolayer semiconductor realized by spin-selective strong light-matter coupling. <i>Nature Photonics</i> ,	33.9 1
275	Dual-polarization two-dimensional valley photonic crystals. <b>2022</b> , 65,	0
274	Comprehensive Study of the Topological Surface States through Ultrafast Pump-Probe Spectroscopy. <b>2022</b> , 126, 11138-11147	
273	Nonlinear optical waveguide lattices: Asymptotic analysis, solitons, and topological insulators. <b>2022</b> , 133440	1
272	Topological flowers and spider webs in 3D vector fields.	
271	Dispersion-tunable photonic topological waveguides. <b>2022</b> , 121, 011701	1
270	Non-Hermitian skin effect in a phononic beam based on piezoelectric feedback control. <b>2022</b> , 121, 022202	1
269	Observation of bulk-edge correspondence in topological pumping based on a tunable electric circuit. <b>2022</b> , 5,	0
268	Edge states in plasmonic meta-arrays. <b>2022</b> ,	2
267	Vector valley Hall edge solitons in superhoneycomb lattices. <b>2022</b> , 161, 112364	0
266	Optical phase transitions in bilayer semiconductor hyperbolic metamaterials. <b>2022</b> , 51, 101049	0
265	Robust valley transport of disordered topological waveguide in visible light waveband. <b>2022</b> , 642, 414132	
264	Y-branch wavelength demultiplexer based on topological valley photonic crystals. <b>2022</b> , 155, 108422	1

263	3D-Printed M $\ddot{B}$ ius Microring Lasers: Topology Engineering in Photonic Microstructures. 2202812	1
262	Photonic Z $2$ Topological Anderson Insulators. <b>2022</b> , 129,	0
261	Straight Photonic Nodal Lines with Quadrupole Berry Curvature Distribution and Superimaging Bermi Arcs <b>2022</b> , 129,	0
260	Thermal control of the topological edge flow in nonlinear photonic lattices. <b>2022</b> , 13,	1
259	Deterministic generation of multiple topological corner states based on an extremely expanded coupling condition. <b>2022</b> , 4,	
258	Planar Optical Cavities Hybridized with Low-Dimensional Light-Emitting Materials. 2203889	1
257	Thin liquid film as an optical nonlinear-nonlocal medium and memory element in integrated optofluidic reservoir computer. <b>2022</b> , 4,	
256	Effective Hamiltonian for Photonic Topological Insulator with Non-Hermitian Domain Walls. <b>2022</b> , 129,	1
255	Spin-Orbit-Engineered Selective Transport of Photons in Plasmonic Nanocircuits with Panda-Patterned Transporters.	
254	Topological phases of ultracold molecules in an optical tweezer ladder. <b>2022</b> , 106,	
253	Intrinsic mode coupling in mirror-symmetric whispering gallery resonators. <b>2022</b> , 30, 32847	
252	Floquet Quadrupole Photonic Crystals Protected by Space-Time Symmetry. <b>2022</b> , 129,	0
251	A brief review of topological photonics in one, two, and three dimensions. <b>2022</b> , 100076	3
250	A non-Hermitian optical atomic mirror. <b>2022</b> , 13,	1
249	Acoustic topological one-way waveguides with tunable widths using spinning components.	
248	Broadband and Fabrication Tolerant Power Coupling and Mode-Order Conversion Using Thouless Pumping Mechanism. 2200354	1
247	Terahertz Metamaterials for Free-Space and on-Chip Applications: From Active Metadevices to Topological Photonic Crystals. <b>2022</b> , 2022, 1-23	1
246	Optically controllable coupling between edge and topological interface modes of graphene metasurfaces.	1

- 245 The generalized method to calculate the real-space winding number for one-dimensional systems with complex multi-band-gap structure. **2022**, 34, 425401
- 244 Channel switch based on the transformation of two kinds of topological edge states. **2022**, 97, 095504
- 243 Polaritons elevate magneto-optic effect. **2022**, 16, 613-614
- 242 A review on non-Hermitian skin effect. **2022**, 7, 2
- 241 Discussion on fabrication accuracy of infrared topological photonic structures using hyperspectral Fourier image spectroscopy. **2022**, 39, 2464
- 240 Topological edge states of the PT -symmetric Su-Schrieffer-Heeger model: An effective two-state description. **2022**, 106, 0
- 239 Study of Resonant Leaky Edge States in Simple Topological Photonic Lattices. 2200262
- 238 Inverse design of photonic and phononic topological insulators: a review. **2022**, 3
- 237 Electrical tunable topological valley photonic crystals for on-chip optical communications in the telecom band. **2022**, 11, 4273-4285 0
- 236 Fully integrated topological electronics. **2022**, 12,
- 235 Topological photonic states in gyromagnetic photonic crystals: physics, properties and applications. 1
- 234 All-angle reflectionless negative refraction with ideal photonic Weyl metamaterials. **2022**, 11, 1
- 233 More on topological hydrodynamic modes. **2022**, 2022, 0
- 232 Pseudospin topological phase transition induced by rotation operation in two-dimensional dielectric photonic crystal with C6 symmetry. **2023**, 527, 128972 1
- 231 Experimental realization of topological parametric phonon lasers. **2022**, 0
- 230 Eigenvalue Topology of Non-Hermitian Band Structures in Two and Three Dimensions. **2022**, 0
- 229 Test Structure of Bi-stable Spring towards TopoMEMS Ising Machine. **2022**, 1
- 228 Electromagnetic Scattering from a Magnetized Plasma Discharge Tube. **2022**, 0

227	Spin-momentum locking in optical rectification. <b>2022</b> , 106,	0
226	Helical Polariton Lasing from Topological Valleys in an Organic Crystalline Microcavity. 2203588	1
225	Topological Resistance-Free One-Way Transport in a Square-Hexagon Lattice Gyromagnetic Photonic Crystal. <b>2022</b> , 12, 3009	1
224	Ill-Defined Topological Phases in Local Dispersive Photonic Crystals. <b>2022</b> , 129,	0
223	Observation of Anderson phase in a topological photonic circuit. <b>2022</b> , 4,	0
222	Topological Floquet bound states in the continuum. <b>2022</b> , 47, 5160	0
221	Tailoring the surface and interface states in a three-dimensional fragile topological insulator with kagome lattice. <b>2022</b> , 106,	0
220	Adjustable enhanced Goos-Hñchen shift in a magneto-optic photonic crystal waveguide. <b>2022</b> , 30, 36478	1
219	Optimizing the chiral Purcell factor for unidirectional single-photon emitters in topological photonic crystal waveguides using inverse design. <b>2022</b> , 106,	0
218	Manipulating optical beam width in topological pseudospin-dependent waveguides using all-dielectric photonic crystals.	0
217	Quasicrystalline Arrays and MoirñPatterns in Nematic Liquid Crystals for Soft Photonics. 2200916	0
216	Valley-dependent topological edge states in plasma photonic crystals.	1
215	Improving Topological Confinement Using Asymmetric Elements. 2200089	0
214	Simulation of Interaction-Induced Chiral Topological Dynamics on a Digital Quantum Computer. <b>2022</b> , 129,	0
213	Transition metal dichalcogenide metaphotonic and self-coupled polaritonic platform grown by chemical vapor deposition. <b>2022</b> , 13,	0
212	Observation of Dirac Hierarchy in Three-Dimensional Acoustic Topological Insulators. <b>2022</b> , 129,	1
211	On-chip topological nanophotonic devices. <b>2022</b> , 100025	1
210	Topological insulator nanoparticles for strong lightñmatter interaction in the terahertz regime. <b>2022</b> , 47, 5240	0

- 209 Imaginary coupling induced Dirac points and group velocity control in non-reciprocal Hermitian Lattice. ○
- 208 Emergent topological states via digital (001) oxide superlattices. **2022**, 8, ○
- 207 Topological nonlinear optics with spin-orbit coupled Bose-Einstein condensate in cavity. **2022**, 8, ○
- 206 Periodic Clifford symmetry algebras on flux lattices. **2022**, 106, ○
- 205 Molecular dynamics simulations to understand the mechanical behavior of functional gradient nano-gyroid structures. **2022**, 132, 135109 ○
- 204 Eigenvalue topology of non-Hermitian band structures in two and three dimensions. **2022**, 106, 1
- 203 Homogeneous Dislocation-Induced Rainbow Concentrating for Elastic Waves. **2022**, 18, ○
- 202 Topological photonics by breaking the degeneracy of line node singularities in semimetal-like photonic crystals. ○
- 201 Weak and strong coupling regimes in a topological photonic crystal bowtie cavity. **2022**, 132, 133104 ○
- 200 Measuring the magnetic topological spin structure of light using an anapole probe. **2022**, 11, 1
- 199 Different phases in non-Hermitian topological semiconductor stripe laser arrays. ○
- 198 Theory for Thermal Edge States: Graphene-Like Convective Lattice. **2023**, 305-315 ○
- 197 Topological Edge and Corner States Designed via Meta-Atoms Orientation. 2100567 ○
- 196 Simultaneous confinement of acoustic phonons and near infrared photons in GaAs/AlAs multilayers by band inversion. **2022**, ○
- 195 Topological Photonics: a Concerto with Topology and Light. **2020**, 48, 404 ○
- 194 Improving Topological Confinement with Engineered Element Geometry. **2022**, ○
- 193 Terahertz topological photonic integrated circuits for 6G and beyond: A Perspective. **2022**, 132, 140901 1
- 192 Direct measurement of topological invariants in photonic superlattices. ○

191	Chiral Plasmons Enable Coherent Vortex Smith-Purcell Radiation. 2200420	0
190	Synthetic Pseudo-Spin-Hall effect in acoustic metamaterials. 2022, 13,	0
189	Ultracompact topological photonic switch based on valley-vortex-enhanced high-efficiency phase shift. 2022, 11,	0
188	Topological edge and interface states in phoxonic crystal cavity chains. 2022, 106,	0
187	Topological edge solitons in $\Gamma$ waveguide arrays.	1
186	Harmonic generation in bent graphene with artificially enhanced spin-orbit coupling. 2022, 106,	0
185	Optical Control over Thermal Distributions in Topologically Trivial and Non-Trivial Plasmon Lattices.	0
184	Topological polarization singular lasing with highly efficient radiation channel. 2022, 13,	1
183	Topological transitions in magnetized plasma and optical isolators based on leaky waveguide plasmon mode. 2022, 106,	0
182	Topological Polarization Beam Splitter in Dual-Polarization All-Dielectric Valley Photonic Crystals. 2022, 18,	0
181	Tunable topological edge and corner states in an all-dielectric photonic crystal. 2022, 30, 40515	1
180	Edge State, Localization Length, and Critical Exponent from Survival Probability in Topological Waveguides. 2022, 129,	1
179	A road toward zero-spacing photonic waveguides and circuits.	0
178	Optomechanically induced transparency and directional amplification in a non-Hermitian optomechanical lattice. 2022, 30, 41012	0
177	Chirality-driven delocalization in disordered waveguide-coupled quantum arrays. 2022, 106,	0
176	Topological aspects in nonlinear optical frequency conversion. 2022, 106,	0
175	Polarization-independent and ultra-sensitive biosensor with a one-dimensional topological photonic crystal. 2022, 30, 42415	0
174	Direct Observation of a Localized Flat-Band State in a Mapped Moiré-Hubbard Photonic Lattice. 2022, 18,	0

- 173 Nonparaxiality-triggered Landau-Zener transition in spoof plasmonic waveguides. **2022**, 106, 0
- 172 Supercontinuum generation in second-order topological fibers composed of hexagonal chalcogenide photonic crystals. **2023**, 528, 129051 0
- 171 One-dimensional topological photonic crystal for high-performance gas sensor. **2022**, 207447 0
- 170 Effective medium perspective on topological transitions in metamaterials. **2022**, 121, 201705 0
- 169 Interconversion of exceptional points between different orders in non-Hermitian systems. 0
- 168 Tunable Topological Fano Resonances in Graphene-Based Nanomechanical Lattices. **2022**, 18, 0
- 167 An operator-based approach to topological photonics. **2022**, 2
- 166 Self-interference polarisation pantographer method to fabricate Pancharatnam-Berry phase optical elements. 1-10 0
- 165 All-Optical Digital Logic Based on Unidirectional Modes. 2201836 0
- 164 Realizing a symmetry protected topological phase through dimerized interactions. **2022**, 106, 0
- 163 A characterization of plasma properties of a heterogeneous magnetized low pressure discharge column. **2022**, 12, 115220 0
- 162 Photonic Weyl semimetals in pseudochiral metamaterials. **2022**, 12, 0
- 161 Topological bulk solitons in a nonlinear photonic Chern insulator. **2022**, 5, 0
- 160 Nonadiabatic Shifting of a Topological Interface in an Electroacoustic Su-Schrieffer-Heeger Lattice. **2022**, 18, 0
- 159 Topological surface plasmon resonance in deep subwavelength structure. **2023**, 45, 72-75 0
- 158 Floquet topological insulators with hybrid edges. **2023**, 166, 113010 0
- 157 Broadband and controllable topological interface state of longitudinal wave in pillared phononic crystal beams. **2023**, 650, 414555 0
- 156 Tamm plasmon polariton in planar structures: A brief overview and applications. **2023**, 159, 108928 2



- 155 On-Chip Topological Multichannel Filtering and Routing Device Based on Synthetic Dimension. **2022**, 1-6 ○
- 154 Modulation instability Rogue wave correspondence hidden in integrable systems. **2022**, 5, ○
- 153 Aharonov-Bohm Caging and Inverse Anderson Transition in Ultracold Atoms. **2022**, 129, ○
- 152 Angular-Dependent Klein Tunneling in Photonic Graphene. **2022**, 129, ○
- 151 Transmission and transformation of entangled states with high fidelity in a non-Hermitian system. **2022**, 4, ○
- 150 A nonlocal metasurface for circularly polarized light detection. ○
- 149 Modulated Rashba-Dresselhaus Spin-Orbit Coupling for Topology Control and Analog Simulations. **2022**, 129, ○
- 148 Observation of Non-Abelian Charged Nodes Linking Nonadjacent Gaps. **2022**, 129, ○
- 147 Bound modes in the continuum in integrated photonic LiNbO3 waveguides: are they always beneficial?. **2023**, 31, 44 1
- 146 Observation of a single pair of type-III Weyl points in sonic crystals. **2022**, 106, ○
- 145 Topological beaming of light. **2022**, 8, ○
- 144 Photonic topological phases in Tellegen metamaterials. **2022**, 30, 47004 ○
- 143 Controllable topological edge mode in an optically excited exciton-polariton lattice. **2022**, 106, ○
- 142 Topological Photonic States in Waveguide Arrays. 2200053 ○
- 141 All hourglass bosonic excitations in the 1651 magnetic space groups and 528 magnetic layer groups. **2022**, 6, ○
- 140 Circularly Polarized Lasing from a Microcavity Filled with Achiral Single-Crystalline Microribbons. ○
- 139 Analytical solutions of topological surface states in a series of lattice models. **2022**, 106, ○
- 138 Optical simulation of various phenomena in curved space on photonic chips. **2023**, 8, ○

137	Low-threshold nanolasers based on miniaturized bound states in the continuum. <b>2022</b> , 8,	0
136	Type-II Dirac points and topological Fermi arcs in nonlocal metamaterials. <b>2022</b> , 106,	0
135	Universal characteristics of one-dimensional non-Hermitian superconductors. <b>2023</b> , 35, 055401	0
134	Three-dimensional non-Abelian quantum holonomy.	0
133	Topological metasurface: From passive toward active and beyond.	1
132	Polarization-sensitive photonic bandgaps in hybrid one-dimensional photonic crystals composed of all-dielectric elliptical metamaterials and isotropic dielectrics.	3
131	Circularly Polarized Lasing from a Microcavity Filled with Achiral Single-Crystalline Microribbons.	0
130	The evolution of topological singularities between real- and complex-frequency domains and the engineering of photonic bands for Hermitian and non-Hermitian photonic crystals.	0
129	Observing the quantum topology of light. <b>2022</b> , 378, 966-971	0
128	Mathematical theory for topological photonic materials in one dimension. <b>2022</b> , 55, 495203	1
127	Enhancement of Rainbow Trapping in Double Interface One Dimensional Topological Photonic Crystal. <b>2022</b> ,	0
126	Spinful Topological Phases in Acoustic Crystals with Projective PT Symmetry. <b>2023</b> , 130,	0
125	Direct Optical Probe of Magnon Topology in Two-Dimensional Quantum Magnets. <b>2023</b> , 130,	0
124	Nonlinear photonic disclination states. <b>2023</b> , 8, 016101	0
123	Topological phase transition and robust pseudospin interface states induced by angular perturbation in 2D topological photonic crystals. <b>2023</b> , 13,	0
122	Tunable terahertz hybrid metamaterials supported by 3D Dirac semimetals. <b>2023</b> , 13, 413	2
121	Exploiting Oriented Field Projectors to Open Topological Gaps in Plasmonic Nanoparticle Arrays.	0
120	Optical embodiments of Rabi splitting based in photonic integrated waveguide-coupled resonators.	0

- 119 Antihelical Edge States in Two-dimensional Photonic Topological Metals. **2023**, 0
- 118 Lateral recoil optical forces on nanoparticles near nonreciprocal surfaces. **2023**, 107, 0
- 117 Continuously tunable topological defects and topological edge states in dielectric photonic crystals. **2023**, 107, 0
- 116 Topological plasmons in stacked graphene nanoribbons. 0
- 115 Nodal degeneracy of guided modes in uniaxial crystal slabs. 10, 0
- 114 Topological MIMO Optical Signal Processing. **2023**, 35, 199-202 0
- 113 Free-electron-light interactions in nanophotonics. **2023**, 10, 011303 1
- 112 Topological mechanics beyond wave dynamics. **2023**, 173, 105197 0
- 111 Higher-Order Topological States in Photonic Thue-Morse Quasicrystals: Quadrupole Insulator and the Origin of Corner States. **2022**, 18, 1
- 110 Spectroscopic ellipsometry-based investigations into the scattering characteristics of topologically distinct photonic stopbands. **2022**, 121, 261103 0
- 109 Dirac phonons in two-dimensional materials. **2022**, 106, 0
- 108 Polaritonic Chern Insulators in Monolayer Semiconductors. **2023**, 130, 0
- 107 Resonators with tailored optical path by cascaded-mode conversions. **2023**, 14, 0
- 106 Topological super-modes engineering with acoustic graphene plasmons. **2023**, 31, 3698 0
- 105 Rotating spacetime modulation: Topological phases and spacetime Haldane model. **2023**, 107, 0
- 104 Observation of Topologically Enabled Complete Polarization Conversion. 2200626 0
- 103 Winding number and bulk-boundary correspondence in a one-dimensional non-Hermitian photonic lattice. **2023**, 107, 0
- 102 Two-dimensional superconductors with intrinsic p-wave pairing or nontrivial band topology. **2023**, 66, 0

- 101 Photovoltaic effect in metal foils and crystals of topological insulators. ○
- 100 Supersymmetric non-Hermitian topological interface laser. **2023**, 107, ○
- 99 Kitaev formula for periodic, quasicrystal, and fractal Floquet topological insulators. **2023**, 107, ○
- 98 Automated Discovery and Optimization of 3D Topological Photonic Crystals. ○
- 97 Mapping and Manipulation of Topological Singularities: From Photonic Graphene to T-Graphene. ○
- 96 Energy polarization and energy pumping in Rice-Mele chains. **2023**, 107, ○
- 95 Extended terahertz valley-locked surface waves in designer surface plasmon crystals. **2023**, 56, 185101 ○
- 94 Light bullets in Su-Schrieffer-Heeger photonic topological insulators. **2023**, 107, ○
- 93 Transmission Properties in Plasma Photonic Crystal Controlled by Magnetic Fields. **2023**, 10, 333 ○
- 92 Coupling of topological interface states in 1D photonic crystal. **2023**, 137, 113508 ○
- 91 Optical Analogs of Rabi Splitting in Integrated Waveguide-Coupled Resonators. 2200123 ○
- 90 Metamaterials With Analogous Electromagnetically Induced Transparency and Related Sensor Designs: A Review. **2023**, 23, 6378-6396 ○
- 89 Influence of topological artificial atom chain on the transmission properties of cavity. ○
- 88 Design of wavelength division multiplexing devices based on tunable edge states of valley photonic crystals. **2023**, 31, 13933 ○
- 87 Antichiral surface states in time-reversal-invariant photonic semimetals. **2023**, 14, ○
- 86 Radiative heat transfer mediated by topological phonon polaritons in a family of quasiperiodic nanoparticle chains. **2023**, 210, 124163 ○
- 85 Polymer valley photonic crystals with honeycomb structures for terahertz waveguides. **2023**, 538, 129446 ○
- 84 Phase transition and dynamics of qubits in coupled-cavity arrays with nonlinear topological photonics. **2023**, 45, 106232 ○

- 83 Reversal of the chiral anomaly bulk states with periodically staggered potential. **2023**, 107, ○
- 82 Topological photonics in disordered atomic lattices. ○
- 81 Rotating topological edge solitons. **2023**, 48, 1268 ○
- 80 Topological Unidirectional Guided Resonances Emerged from Interband Coupling. **2023**, 130, ○
- 79 Topological edge states and harmonic generation from one-dimensional photonic crystal. **2023**, 37, ○
- 78 Extreme Metasurfaces Enable Targeted and Protected Wireless Energy Transfer. 2202133 ○
- 77 Encyclopedia of emergent particles in 528 magnetic layer groups and 394 magnetic rod groups. **2023**, 107, ○
- 76 Pseudospin topological behavior and topological edge states in a two-dimensional photonic crystal composed of Si rods in a triangular lattice. **2023**, 107, ○
- 75 Mode pumping in photonic lattices using a single tailored auxiliary waveguide. **2023**, 107, ○
- 74 Visualizing Higher-Fold Topology in Chiral Crystals. **2023**, 130, ○
- 73 Photonic Majorana quantum cascade laser with polarization-winding emission. **2023**, 14, ○
- 72 Generalized topological bulk-edge correspondence in bulk-Hermitian continuous systems with non-Hermitian boundary conditions. **2023**, 107, ○
- 71 Non-Hermitian Spectral Flows and Berry-Chern Monopoles. **2023**, 130, ○
- 70 Various topological phases and their abnormal effects of topological acoustic metamaterials. **2023**, 2, 179-230 ○
- 69 Classification of time-reversal-invariant crystals with gauge structures. **2023**, 14, ○
- 68 Valley Hall effect and kink states in topoelectrical circuits. **2023**, 5, ○
- 67 Floquet engineering of non-equilibrium superradiance. **2023**, 14, ○
- 66 Observation of Edge States in Nanoscale Topological Photonic Crystals. **2017**, ○

- 65 Applications for wavelength division multiplexers based on topological photonic crystals. **2023**, 11, 569 ○
- 64 Topological phases and non-Hermitian topology in photonic artificial microstructures. **2023**, ○
- 63 Scalability of Large-Scale Photonic Integrated Circuits. ○
- 62 Terahertz Metasurfaces, Metawaveguides, and Applications. **2023**, 127-156 ○
- 61 General duality and magnet-free passive phononic Chern insulators. **2023**, 14, ○
- 60 High-speed electro-optic modulation in topological interface states of a one-dimensional lattice. ○
- 59 Unidirectional scattering with spatial homogeneity using correlated photonic time disorder. 1
- 58 Statistical Topology Distribution and Density Correlations of Winding Numbers in Chiral Systems. **2023**, 25, 383 ○
- 57 On-Chip Unidirectional Waveguiding for Surface Acoustic Waves along a Defect Line in a Triangular Lattice. **2023**, 19, ○
- 56 Evidencing non-Bloch dynamics in temporal topoelectrical circuits. **2023**, 107, ○
- 55 Band structures and skin effects of coupled nonreciprocal Su-Schrieffer-Heeger lattices. **2023**, 107, ○
- 54 Mode solitons in photonic Floquet lattices. **2023**, 107, ○
- 53 Chiral-Selective Transmission of Edge States in Terahertz Valley Topological Photonic Crystals. **2022**, ○
- 52 Self-referenced Terahertz Optical Sensor with Dirac Semi-metal and Topological Photonic Crystal. **2022**, ○
- 51 All-optical control of topological valley transport in graphene metasurfaces. **2023**, 31, 10401 ○
- 50 Perovskite Microlaser Integration with Metasurface Supporting Topological Waveguiding. **2023**, 17, 4445-4452 ○
- 49 Tunable Fano resonance in coupled topological one-dimensional photonic crystal heterostructure and defective photonic crystal. **2023**, 133, 083102 ○
- 48 High-order harmonic generation in uniformly distributed topological edge states. **2023**, 25, 045002 ○

- 47 Topological invariants in quantum walks. **2023**, 107, ○
- 46 Application of the real space decimation method in determining intricate electronic phases of matter: a review. **2023**, 25, 9706-9737 ○
- 45 Optical perfectly matched layers based on the integration of photonic crystals and material loss. **2023**, 31, 11080 ○
- 44 Topological phase in a Kitaev chain with spatially separated pairing processes. **2023**, 107, ○
- 43 Valley transport via dual-band elastic topological edge states in local-resonant phononic crystal plate. **2023**, 133, 095110 ○
- 42 Topological edge states in equidistant arrays of lithium niobate nano-waveguides. **2023**, 48, 1982 ○
- 41 Observation of topological pumping of a defect state in a Fock photonic lattice. **2023**, 107, ○
- 40 Advances and applications on non-Hermitian topological photonics. **2023**, ○
- 39 Universal Mirror-Stacking Approach for Constructing Topological Bound States in the Continuum. **2023**, 130, ○
- 38 Nonreciprocal photon blockade in a spinning optomechanical system with nonreciprocal coupling. **2023**, 31, 12847 ○
- 37 Coherent Control of Topological States in an Integrated Waveguide Lattice. **2023**, 23, 2094-2099 ○
- 36 Topological rainbow trapping and acoustic energy amplification in two-dimensional gradient phononic crystals. **2023**, 122, 112201 ○
- 35 Topological Frenkel exciton polaritons in one-dimensional lattices of strongly coupled cavities. **2023**, 107, ○
- 34 An electromagnetic scattering approach to identifying topological and non-topological unidirectional edge states at gyrotropic plasma interfaces. **2023**, 133, 104902 ○
- 33 Topological phonon polariton enhanced radiative heat transfer in bichromatic nanoparticle arrays mimicking Aubry-Andre-Harper model. **2023**, 107, ○
- 32 Unidirectional propagation of helical edge states via exciting pseudospin d states in two-dimensional photonic crystals. **2023**, 122, 111103 ○
- 31 Tunable Topological Lasing of Circularly Polarized Light in a Soft-Matter-Based Superlattice. 2200643 ○
- 30 Nonreciprocal Su-Schrieffer-Heeger lattice in the presence of next-nearest-neighboring coupling. **2023**, 98, 055202 ○

- 29 Non-Abelian effects in dissipative photonic topological lattices. **2023**, 14, ○
- 28 First-order topological phase transitions and disorder-induced Majorana modes in interacting fermion chains. **2023**, 107, ○
- 27 Local-Resonance-Induced Dual-Band Topological Corner States of Flexural Waves in a Perforated Metaplate. **2023**, 19, ○
- 26 Symmetry-Enforced 2D Hourglass Phononic Nodal Net. ○
- 25 Topological Insulator Metamaterials. ○
- 24 Topologically protected multiple resonant modes in a one-dimensional photonic crystal heterostructure. **2023**, 40, 1092 ○
- 23 Photonic Dirac cavities with spatially varying mass term. **2023**, 9, ○
- 22 Dissipative Pairing Interactions: Quantum Instabilities, Topological Light, and Volume-Law Entanglement. **2023**, 130, ○
- 21 Diffusion metamaterials. **2023**, 5, 218-235 ○
- 20 Non-Hermiticity induced topological edge states with unique transport. **2023**, 98, 055503 ○
- 19 PT symmetry-protected exceptional cones and analogue Hawking radiation. **2023**, 25, 043012 ○
- 18 Two-Photon Polymerization Lithography for Optics and Photonics: Fundamentals, Materials, Technologies, and Applications. 2214211 1
- 17 Tailored Topological Edge Waves via Chiral Hierarchical Metamaterials. **2023**, 19, ○
- 16 Perovskite quantum dot one-dimensional topological laser. **2023**, 14, ○
- 15 Multiple phase transitions and anomalous non-Hermitian skin effect. **2023**, 107, ○
- 14 Transport effects in non-Hermitian nonreciprocal systems: General approach. **2023**, 107, ○
- 13 Photonic topological Anderson insulator in a two-dimensional atomic lattice. **2023**, 24, 1-16 ○
- 12 Phase-Engineering Strategy for Multidimensional Light Steering in a Photonic Higher-Order Topological Insulator. ○



- 11 Topological antichiral surface states in a magnetic Weyl photonic crystal. **2023**, 14,
- 10 Visualization of photonic band structures via far-field measurements in SiNx photonic crystal slabs. **2023**, 122, 151102
- 9 Topological Valley Photonic Crystals with Photonic Bandgap Tuned with Dual- parameter Method at Terahertz Frequencies. **2022**,
- 8 Perspective: Antichiral magnetic topological photonics. **2023**, 133, 140901
- 7 Large-area quantum-spin-Hall waveguide states in a three-layer topological photonic crystal heterostructure. **2023**, 107,
- 6 Asymmetric transmission in nanophotonics. **2023**,
- 5 Zero-energy edge states and solitons in strained photonic graphene. **2023**, 107,
- 4 Non-singular and singular flat bands in tunable phononic metamaterials. **2023**, 5,
- 3 Asymmetric transport computations in Dirac models of topological insulators. **2023**, 112151
- 2 Spin-dependent properties of optical modes guided by adiabatic trapping potentials in photonic Dirac metasurfaces.
- 1 Regulation of acoustic topological state in two-dimensional SuSchriefferHeeger model based on airflow circulation. **2023**, 133,