

# CITATION REPORT

List of articles citing

Experimental demonstration of a unidirectional reflectionless parity-time metamaterial at optical frequencies

DOI: 10.1038/nmat3495

Nature Materials, 2013, 12, 108-13.

**Source:** <https://exaly.com/paper-pdf/55446723/citation-report.pdf>

**Version:** 2024-04-27

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

#	Paper	IF	Citations
1072	Invisible defects in complex crystals. <b>2013</b> , 334, 35-46		29
1071	Observation of defect states in PT-symmetric optical lattices. <b>2013</b> , 110, 223902		161
1070	Unidirectional soliton flows in PT-symmetric potentials. <b>2013</b> , 88,		25
1069	Absence of Floquet scattering in oscillating non-Hermitian potential wells. <b>2013</b> , 87,		7
1068	PT-symmetric optical potentials in a coherent atomic medium. <b>2013</b> , 88,		66
1067	The probe technique far from equilibrium: Magnetic field symmetries of nonlinear transport. <b>2013</b> , 86, 1		23
1066	CPT-Frames for Non-Hermitian Hamiltonians. <b>2013</b> , 60, 328-334		8
1065	Spectral and transport properties of time-periodic PT-symmetric tight-binding lattices. <b>2013</b> , 87,		63
1064	Unidirectional light propagation at exceptional points. <i>Nature Materials</i> , <b>2013</b> , 12, 175-7	27	95
1063	Supersymmetry-generated complex optical potentials with real spectra. <b>2013</b> , 87,		85
1062	Optical nonreciprocity of cold atom Bragg mirrors in motion. <b>2013</b> , 110, 223602		65
1061	PT symmetry via electromagnetically induced transparency. <b>2013</b> , 21, 32053-62		39
1060	Non-Hermitian shortcut to adiabaticity. <b>2013</b> , 87,		67
1059	One-way invisible cloak using parity-time symmetric transformation optics. <b>2013</b> , 38, 2821-4		106
1058	Hybrid single quantum well InP/Si nanobeam lasers for silicon photonics. <b>2013</b> , 38, 4656-8		11
1057	Switching using PT symmetry in plasmonic systems: positive role of the losses. <b>2013</b> , 21, 21651-68		93
1056	Efficient and broadband guided wave one-way mode-order conversion with theoretical and numerical analysis. <b>2013</b> , 30, 2992		1

1055	Compact and low power consumption tunable photonic crystal nanobeam cavity. <b>2013</b> , 21, 3861-71	39
1054	Distributed Bragg reflector structures based on PT-symmetric coupling with lowest possible lasing threshold. <b>2013</b> , 21, 22327-37	28
1053	Revisiting the $\mathcal{PT}$ -symmetric trimer: bifurcations, ghost states and associated dynamics. <b>2013</b> , 46, 375304	21
1052	Imaginary Kapitza pendulum. <b>2013</b> , 88,	11
1051	Non-Hermitian quantum rings. <b>2013</b> , 88,	4
1050	Quantum control model for spatial propagation of electromagnetic fields in dielectrics. <b>2013</b> ,	
1049	Convective and absolute PT-symmetry breaking in tight-binding lattices. <b>2013</b> , 88,	30
1048	Correction. <i>Nature Materials</i> , <b>2013</b> , 12, 471-471	27
1047	Directionally hiding objects and creating illusions at visible wavelengths by holography. <b>2013</b> , 3, 1974	9
1046	Asymmetric light transmission by using 2D PT-symmetric photonic nanostructure. <b>2014</b> ,	
1045	Tunable asymmetric mode conversion using the dark-mode of three-mode waveguide system. <b>2014</b> , 22, 28683-96	7
1044	Angular Momentum-biased metamaterials for filtering waveguide components and antennas with non-reciprocal behavior. <b>2014</b> ,	12
1043	Wave tunneling through parity-time-symmetric epsilon-near-zero bi-layers. <b>2014</b> ,	
1042	$\mathcal{PT}$ -symmetric dimers with time-periodic gain/loss function. <b>2014</b> , 117, 663-672	8
1041	Spatially nonreciprocal Bragg gratings based on surface plasmons. <b>2014</b> , 105, 191110	7
1040	Bottom-Up Fabrication of Optical Metamaterials. <b>2014</b> , 910, 3-6	
1039	Gap solitons and symmetry breaking in parity-time symmetric microring coupled resonator optical waveguides. <b>2014</b> , 31, 2728	2
1038	Modulation instability in nonlinear complex parity-time symmetric periodic structures. <b>2014</b> , 31, 1861	20

1037	Parity-time (PT)-symmetric optical microcavities. <b>2014,</b>	
1036	Resonant mode conversion in the waveguides with unbroken and broken PT symmetry. <b>2014, 39, 5933-6</b>	15
1035	PT-symmetric microring laser-absorber. <b>2014, 39, 5026-9</b>	52
1034	Tailored unidirectional spectral responses generated by an asymmetric plasmonic cavity. <b>2014, 31, 3067</b>	3
1033	Experimental demonstration of a reconfigurable silicon thermo-optical device based on spectral tuning of ring resonators for optical signal processing. <b>2014, 22, 3425-31</b>	16
1032	Bound states in the continuum in PT-symmetric optical lattices. <b>2014, 39, 1697-700</b>	55
1031	Demonstration of a large-scale optical exceptional point structure. <b>2014, 22, 1760-7</b>	110
1030	Anisotropic reflection oscillation in periodic multilayer structures of parity-time symmetry. <b>2014, 22, 18401-11</b>	36
1029	Unidirectional invisibility in a two-layer non-PT-symmetric slab. <b>2014, 22, 19440-7</b>	42
1028	Parity-time symmetric Bragg structure in atomic vapor. <b>2014, 22, 25120-7</b>	4
1027	Visible-Frequency Unidirectional Transmission Device incorporating a Hyperbolic Metamaterial. <b>2014,</b>	1
1026	Impact of dispersive and saturable gain/loss on bistability of nonlinear parity-time Bragg gratings. <b>2014, 39, 2603-6</b>	26
1025	Anomalous Transient Amplification of Waves in Non-normal Photonic Media. <b>2014, 4,</b>	17
1024	PT spectroscopy of the Rabi problem. <b>2014, 90,</b>	36
1023	Optical lattices with exceptional points in the continuum. <b>2014, 89,</b>	29
1022	Unidirectionally invisible potentials as local building blocks of all scattering potentials. <b>2014, 90,</b>	25
1021	Influence of the imaginary component of the photonic potential on the properties of solitons in PT-symmetric systems. <b>2014, 90,</b>	30
1020	Gain- or loss-induced localization in one-dimensional PT-symmetric tight-binding models. <b>2014, 89,</b>	26

1019	Spontaneous PT-symmetry breaking in complex frequency band structures. <b>2014</b> , 89,	19
1018	Transfer matrices as nonunitary S matrices, multimode unidirectional invisibility, and perturbative inverse scattering. <b>2014</b> , 89,	38
1017	Unidirectional Transmission Based on a Passive PT Symmetric Grating With a Nonlinear Silicon Distributed Bragg Reflector Cavity. <b>2014</b> , 6, 1-7	8
1016	Type-II perfect absorption and amplification modes with controllable bandwidth in combined PT-symmetric and conventional Bragg-grating structures. <b>2014</b> , 89,	21
1015	Talbot self-imaging in PT-symmetric complex crystals. <b>2014</b> , 90,	15
1014	Reconfigurable directional lasing modes in cavities with generalized PT symmetry. <b>2014</b> , 112, 253902	23
1013	Unidirectional phase singularity in ultrathin metamaterials at exceptional points. <b>2014</b> , 89,	17
1012	A unidirectionally invisible $\mathcal{P}\mathcal{T}$ -symmetric complex crystal with arbitrary thickness. <b>2014</b> , 47, 485302	14
1011	Exceptional points and Bloch oscillations in non-Hermitian lattices with unidirectional hopping. <b>2014</b> , 106, 34001	21
1010	PT symmetry in optics and photonics. <b>2014</b> ,	3
1009	Strong and weak confinement of parity-time-symmetric acoustic surface wave. <b>2014</b> , 105, 17006	3
1008	Generalized unitarity and reciprocity relations for $\mathcal{P}\mathcal{T}$ -symmetric scattering potentials. <b>2014</b> , 47, 505303	29
1007	$\mathcal{PT}$ -symmetric optical superlattices. <b>2014</b> , 47, 165302	8
1006	Adiabatic approximation, semiclassical scattering, and unidirectional invisibility. <b>2014</b> , 47, 125301	9
1005	Unidirectional invisibility with 3D parity-time symmetric structures. <b>2014</b> ,	
1004	Parity-time-symmetric whispering-gallery microcavities. <b>2014</b> , 10, 394-398	1394
1003	Tunneling of obliquely incident waves through PT-symmetric epsilon-near-zero bilayers. <b>2014</b> , 89,	67
1002	Planar self-aligned imprint lithography for coplanar plasmonic nanostructures fabrication. <b>2014</b> , 116, 657-662	3

1001	Passive PT Symmetry in Organic Composite Films via Complex Refractive Index Modulation. <b>2014</b> , 2, 423-427	20
1000	Coherent perfect absorption in one-dimensional photonic crystal with a PT-symmetric defect. <b>2014</b> , 105, 47008	5
999	Continuous and discrete Schrödinger systems with parity-time-symmetric nonlinearities. <b>2014</b> , 89, 052918	95
998	Single-mode laser by parity-time symmetry breaking. <b>2014</b> , 346, 972-5	905
997	Tectonic control of Yarlung Tsangpo Gorge revealed by a buried canyon in Southern Tibet. <b>2014</b> , 346, 978-81	120
996	Reversing the pump dependence of a laser at an exceptional point. <b>2014</b> , 5, 4034	312
995	Nonreciprocity of a six-wave mixing light droplet by a moving electromagnetically induced grating. <b>2014</b> , 24, 045402	7
994	Parity-time-symmetric microring lasers. <b>2014</b> , 346, 975-8	854
993	PT symmetry in optics beyond the paraxial approximation. <b>2014</b> , 39, 5443-6	32
992	Loss-induced suppression and revival of lasing. <b>2014</b> , 346, 328-32	546
991	Parity-time symmetry and variable optical isolation in active-passive-coupled microresonators. <b>2014</b> , 8, 524-529	665
990	Causality and phase transitions in PT-symmetric optical systems. <b>2014</b> , 89,	48
989	Asymmetric transmission from a 2D PT-symmetric honeycomb nanostructure. <b>2014</b> ,	
988	Saturable and dispersive parity-time symmetric directional coupler: A transmission-line modelling study. <b>2014</b> ,	1
987	PT symmetry based functional devices for integrated optics. <b>2014</b> ,	
986	Using optical PT-symmetry for switching applications. <b>2014</b> , 12, 305-311	31
985	Adiabatic series expansion and higher-order semiclassical approximations in scattering theory. <b>2014</b> , 47, 345302	4
984	Bulk vortices and half-vortex surface modes in parity-time-symmetric media. <b>2014</b> , 89,	16

983	PT restoration via increased loss and gain in the PT-symmetric Aubry-Andr� model. <b>2014</b> , 89,	33
982	Manifestation of PT symmetry breaking in polarization space with terahertz metasurfaces. <b>2014</b> , 113, 093901	125
981	Experimental demonstration of a coherent perfect absorber with PT phase transition. <b>2014</b> , 112, 143903	298
980	Extinction symmetry for reciprocal objects and its implications on cloaking and scattering manipulation. <b>2014</b> , 39, 4053-6	16
979	Supersymmetry-generated one-way-invisible PT-symmetric optical crystals. <b>2014</b> , 89,	39
978	Negative refraction and planar focusing based on parity-time symmetric metasurfaces. <b>2014</b> , 113, 023903	162
977	Non-Hermitian degeneracies and unidirectional reflectionless atomic lattices. <b>2014</b> , 113, 123004	102
976	Parity-time-symmetric plasmonic metamaterials. <b>2014</b> , 89,	94
975	Non-Hermitian nanophotonic and plasmonic waveguides. <b>2014</b> , 89,	64
974	Quasi $\mathcal{P}\mathcal{T}$ -symmetry in passive photonic lattices. <b>2014</b> , 16, 065501	38
973	Localized fields, global impact: Industrial applications of resonant plasmonic materials. <b>2015</b> , 40, 1138-1145	19
972	Lights, nano, action! New plasmonic materials and methods to probe nanoscale phenomena. <b>2015</b> , 40, 264-273	1
971	Unidirectional reflectionless propagation in plasmonic waveguide-cavity systems at exceptional points. <b>2015</b> , 23, 29882-95	61
970	Bound states, scattering states, and resonant states in PT-symmetric open quantum systems. <b>2015</b> , 92,	38
969	Perturbative unidirectional invisibility. <b>2015</b> , 92,	11
968	Scattering in PT and RT-symmetric multimode waveguides: Generalized conservation laws and spontaneous symmetry breaking beyond one dimension. <b>2015</b> , 92,	30
967	Nonlinear reversal of the PT-symmetric phase transition in a system of coupled semiconductor microring resonators. <b>2015</b> , 92,	66
966	Unidirectional Cloaking Based on Metasurfaces with Balanced Loss and Gain. <b>2015</b> , 4,	124

965	Nonreciprocal near-zero mode in PT-symmetric magnetic domains. <b>2015</b> , 91,	11
964	Coalescence of exceptional points and phase diagrams for one-dimensional PT-symmetric photonic crystals. <b>2015</b> , 92,	94
963	Topologically Protected Defect States in Open Photonic Systems with Non-Hermitian Charge-Conjugation and Parity-Time Symmetry. <b>2015</b> , 115, 200402	203
962	Passive PT-symmetric couplers without complex optical potentials. <b>2015</b> , 92,	4
961	Dynamically induced two-color nonreciprocity in a tripod system of a moving atomic lattice. <b>2015</b> , 92,	14
960	Giant nonlinearity via breaking parity-time symmetry: A route to low-threshold phonon diodes. <b>2015</b> , 92,	80
959	Observation of Bloch oscillations in complex PT-symmetric photonic lattices. <b>2015</b> , 5, 17760	64
958	All-optical transistors and logic gates using a parity-time-symmetric Y-junction: Design and simulation. <b>2015</b> , 118, 123104	4
957	Robust Light State by Quantum Phase Transition in Non-Hermitian Optical Materials. <b>2015</b> , 5, 17022	39
956	Guiding SPPs with PT-symmetry. <b>2015</b> , 5, 14981	7
955	Plasmon-Induced Transparency by Hybridizing Concentric-Twisted Double Split Ring Resonators. <b>2015</b> , 5, 15735	45
954	Random matrix ensembles for PT-symmetric systems. <b>2015</b> , 48, 38FT02	9
953	Fabrication of Metamaterials Based on Gold Dendritic Cells. <b>2015</b> , 44, 3037-3040	1
952	Control of power in parity-time symmetric lattices. <b>2015</b> , 17, 105004	4
951	Phase transitions in Wick-rotated PT-symmetric optics. <b>2015</b> , 360, 150-160	10
950	Half-spectral unidirectional invisibility in non-Hermitian periodic optical structures. <b>2015</b> , 40, 5694-7	37
949	Self-collimation in 2D complex and PT-symmetric media. <b>2015</b> ,	
948	Wave scattering by PT-symmetric epsilon-near-zero periodic structures. <b>2015</b> ,	1



947	Parity-time optical metamaterials. <b>2015,</b>	
946	Parity-time-symmetric coupled microring lasers operating around an exceptional point. <b>2015, 40, 4955-8</b>	73
945	Analytical model for coherent perfect absorption in one-dimensional photonic structures. <b>2015, 40, 5550-3</b>	19
944	PT-symmetric phase in kagome-based photonic lattices. <b>2015, 40, 5806-9</b>	13
943	Wave reflection in dielectric media obeying spatial Kramers-Kronig relations. <b>2015, 112, 64001</b>	31
942	A versatile all-optical parity-time signal processing device using a Bragg grating induced using positive and negative Kerr-nonlinearity. <b>2015, 47, 37-47</b>	10
941	An invisible acoustic sensor based on parity-time symmetry. <b>2015, 6, 5905</b>	385
940	A parity-time symmetric coherent plasmonic absorber-amplifier. <b>2015, 117, 063106</b>	45
939	Passive Parity-Time Symmetry in Organic Thin Film Waveguides. <b>2015, 2, 319-325</b>	25
938	Light propagation in periodically modulated complex waveguides. <b>2015, 91,</b>	13
937	Interactions of bright and dark solitons with localized PT-symmetric potentials. <b>2015, 25, 023112</b>	14
936	Supersymmetry-inspired non-Hermitian optical couplers. <b>2015, 5, 8568</b>	21
935	Scaling of $\mathcal{P}\mathcal{T}$ -asymmetries in viscous flow with $\mathcal{P}\mathcal{T}$ -symmetric inflow and outflow. <b>2015, 48, 035501</b>	1
934	Giant Goos-Hñchen shift using PT symmetry. <b>2015, 92,</b>	28
933	Observation of optical solitons in PT-symmetric lattices. <b>2015, 6, 7782</b>	160
932	Constant-intensity waves and their modulation instability in non-Hermitian potentials. <b>2015, 6, 7257</b>	78
931	Spatial Kramers-Kronig relations and the reflection of waves. <b>2015, 9, 436-439</b>	121
930	Parity-time symmetry from stacking purely dielectric and magnetic slabs. <b>2015, 91,</b>	33

929	Directionally hiding objects and creating illusions above a carpet-like device by reflection holography. <b>2015</b> , 5, 8581	6
928	Parity-time-antisymmetric atomic lattices without gain. <b>2015</b> , 91,	43
927	Two-dimensional complex parity-time-symmetric photonic structures. <b>2015</b> , 91,	27
926	Parity-time (PT)-symmetric closed-form quadrimer waveguides with focusing and defocusing nonlinearity. <b>2015</b> ,	
925	Jarzynski Equality in PT-Symmetric Quantum Mechanics. <b>2015</b> , 114, 150601	39
924	New Technological Advancements in Biomedical Variables Transducing. <b>2015</b> , 351-360	
923	Optical processes in different types of photonic band gap structures. <b>2015</b> , 44, 58-66	3
922	PT-symmetry-induced wave confinement and guiding in near-zero metamaterials. <b>2015</b> , 91,	48
921	Macroscopic magnetic structures with balanced gain and loss. <b>2015</b> , 91,	34
920	Selective enhancement of topologically induced interface states in a dielectric resonator chain. <b>2015</b> , 6, 6710	299
919	Parity-time-symmetry breaking in double-slab surface-plasmon-polariton waveguides. <b>2015</b> , 23, 11783-9	9
918	Diffraction management and soliton dynamics in frequency-chirped PT symmetric lattices. <b>2015</b> , 23, 12434-43	7
917	General coupled mode theory in non-Hermitian waveguides. <b>2015</b> , 23, 22619-27	22
916	Single-mode lasers and parity-time symmetry broken gratings based on active dielectric-loaded long-range surface plasmon polariton waveguides. <b>2015</b> , 23, 19922-31	9
915	Modulated photonic band gaps generated by high-order wave mixing. <b>2015</b> , 32, 179	7
914	Analysis of unidirectional non-paraxial invisibility of purely reflective PT-symmetric volume gratings. <b>2015</b> , 23, 18694-711	11
913	Defect states and exceptional point splitting in the band gaps of one-dimensional parity-time lattices. <b>2015</b> , 23, 22274-84	36
912	The combination of directional outputs and single-mode operation in circular microdisk with broken PT symmetry. <b>2015</b> , 23, 24257-64	9

911	One-way optical modal transition based on causality in momentum space. <b>2015</b> , 23, 24997-5008	10
910	Unidirectional flow of discrete solitons in waveguide arrays. <b>2015</b> , 40, 2719-22	18
909	Soliton beam dynamics in parity-time symmetric nonlinear coupler. <b>2015</b> , 69, 1	5
908	PT-symmetric quantum theory. <b>2015</b> , 631, 012002	33
907	Extraordinary reflection and transmission with direction dependent wavelength selectivity based on parity-time-symmetric multilayers. <b>2015</b> , 117, 023104	28
906	Nonlinear parity-time symmetric closed-form optical quadrimer waveguides: attractor perspective. <b>2015</b> , 69, 1	7
905	A real-time tunable terahertz metamaterial based on broadside-coupled split ring resonators. <b>2015</b> ,	1
904	Energy and Wave function Analysis on Harmonic Oscillator Under Simultaneous Non-Hermitian Transformations of Co-ordinate and Momentum: Iso-spectral case. <b>2016</b> , 14, 492-497	
903	Integrated photonics engineered around exceptional points. <b>2016</b> ,	
902	Broadband near total light absorption in non-PT-symmetric waveguide-cavity systems. <b>2016</b> , 24, 22219-31	37
901	Characterization of parity-time symmetry in photonic lattices using Heesh-Shubnikov group theory. <b>2016</b> , 24, 22693-22707	6
900	Light propagation through a PT-symmetric photonic-crystal. <b>2016</b> , 24, 26146-26151	10
899	Asymmetric diffraction from two-component optical gratings made of passive and lossy materials. <b>2016</b> , 24, 30164-30172	2
898	Integrated Photonics at Exceptional Points. <b>2016</b> ,	
897	Nonlinear wave dynamics near phase transition in PT-symmetric localized potentials. <b>2016</b> , 331, 48-57	9
896	Single mode lasing in transversely multi-moded PT-symmetric microring resonators. <b>2016</b> , 10, 494-499	66
895	PT symmetry in a fractional Schrödinger equation. <b>2016</b> , 10, 526-531	97
894	Optical Lattice Design Assisted by Non-Hermitian Hamiltonians. <b>2016</b> , 698, 012018	

893	Supersymmetrical bounding of asymmetric states and quantum phase transitions by anti-crossing of symmetric states. <b>2016</b> , 6, 39016	2
892	Observation of exceptional points in reconfigurable non-Hermitian vector-field holographic lattices. <b>2016</b> , 7, 12201	35
891	Dual-wavelength single-frequency laser emission in asymmetric coupled microdisks. <b>2016</b> , 6, 38053	12
890	Recovering parity-time symmetry in highly dispersive coupled optical waveguides. <b>2016</b> , 18, 125012	13
889	$\mathcal{P}\mathcal{T}$ -symmetry in Rydberg atoms. <b>2016</b> , 115, 14005	9
888	New shield structure for retrodirective and invisible applications. <b>2016</b> , 58, 2570-2577	1
887	Nonlinear reversal of $\mathcal{P}\mathcal{T}$ -symmetric phase transition in a system of coupled micro-ring cavities. <b>2016</b> ,	
886	Effects of non-uniform distributions of gain and loss in photonic crystals. <b>2016</b> , 18, 125007	7
885	Simultaneous realization of a coherent perfect absorber and laser by zero-index media with both gain and loss. <b>2016</b> , 94,	38
884	On-Chip Optical Nonreciprocity Using an Active Microcavity. <b>2016</b> , 6, 38972	18
883	Asymmetric diffraction based on a passive parity-time grating. <b>2016</b> , 109, 111101	30
882	Spin-based single-photon transistor, dynamic random access memory, diodes, and routers in semiconductors. <b>2016</b> , 94,	28
881	Effective $\mathcal{P}\mathcal{T}$ -symmetric metasurfaces for subwavelength amplified sensing. <b>2016</b> , 18, 085004	12
880	Transmission properties analysis of 1D $\mathcal{P}\mathcal{T}$ -symmetric photonic structures. <b>2016</b> ,	
879	Localized Single Frequency Lasing States in a Finite Parity-Time Symmetric Resonator Chain. <b>2016</b> , 6, 20499	13
878	$\mathcal{P}\mathcal{T}$ -Symmetric Waveguides With Tunable Parameters. <b>2016</b> , 22, 25-34	3
877	Parity-time symmetric coupled systems with varying loss/gain coefficient. <b>2016</b> , 63, 1584-1591	3
876	Tailoring Spectral Properties of Binary $\mathcal{P}\mathcal{T}$ -Symmetric Gratings by Duty-Cycle Methods. <b>2016</b> , 22, 35-41	10

875	Scattering properties of PT-symmetric objects. <b>2016</b> , 18, 075104	18
874	. <b>2016</b> , 22, 19-24	2
873	PT phase control in circular multi-core fibers. <b>2016</b> , 41, 1897-900	19
872	Photonic topological insulator with broken time-reversal symmetry. <b>2016</b> , 113, 4924-8	139
871	Canonical Acoustics and Its Application to Surface Acoustic Wave on Acoustic Metamaterials. <b>2016</b> , 85, 084401	1
870	Nanostructured plasmonic substrates for use as SERS sensors. <b>2016</b> , 3, 18	66
869	Metrology with PT-Symmetric Cavities: Enhanced Sensitivity near the PT-Phase Transition. <b>2016</b> , 117, 110802	199
868	Unidirectional invisibility and non-reciprocal transmission in two and three dimensions. <b>2016</b> , 472, 20160250	9
867	Stability of soliton families in nonlinear Schrödinger equations with non-parity-time-symmetric complex potentials. <b>2016</b> , 380, 3803-3809	19
866	Eigenvalue dynamics in the presence of nonuniform gain and loss. <b>2016</b> , 94,	12
865	Constant Intensity Supermodes in Non-Hermitian Lattices. <b>2016</b> , 22, 42-47	9
864	Local parity-time symmetry functional devices for integrated optics. <b>2016</b> ,	
863	Dynamical theory of scattering, exact unidirectional invisibility, and truncated $\frac{z}{e} e^{-2\{i\}k}_0x$ potential. <b>2016</b> , 49, 445302	5
862	PT-axisymmetric photonic nanostructures. <b>2016</b> ,	
861	Chiral exceptional points in metasurfaces. <b>2016</b> , 94,	30
860	Optical spin-sensitive Zitterbewegung in bianisotropic metamaterials. <b>2016</b> , 24, 13788-99	4
859	Tight-binding lattices with an oscillating imaginary gauge field. <b>2016</b> , 94,	15
858	Experimental investigation of the no-signalling principle in paritytime symmetric theory using an open quantum system. <b>2016</b> , 10, 642-646	47

857	Bidirectional invisibility in Kramers-Kronig optical media. <b>2016</b> , 41, 3727-30	26
856	Orbital angular momentum microlaser. <b>2016</b> , 353, 464-7	341
855	Parity time-symmetric vertical cavities: intrinsically single-mode regime in longitudinal direction. <b>2016</b> , 24, 17125-37	2
854	Nonlinear switching and solitons in PT-symmetric photonic systems. <b>2016</b> , 10, 177-213	222
853	Metamaterial-inspired microwave sensor for measurement of complex permittivity of materials. <b>2016</b> , 58, 2577-2581	16
852	Enhanced Spontaneous Emission at Third-Order Dirac Exceptional Points in Inverse-Designed Photonic Crystals. <b>2016</b> , 117, 107402	118
851	Anti-parity-time symmetry with flying atoms. <b>2016</b> , 12, 1139-1145	174
850	Nonlinear light behaviors near phase transition in non-parity-time-symmetric complex waveguides. <b>2016</b> , 41, 2747-50	15
849	Reciprocal and unidirectional scattering of parity-time symmetric structures. <b>2016</b> , 6, 20976	26
848	Parametric instability of optical non-Hermitian systems near the exceptional point. <b>2016</b> , 6, 29709	14
847	Non-Hermitian trimers: PT-symmetry versus pseudo-Hermiticity. <b>2016</b> , 18, 065005	25
846	Multiple Quantum Wells for PT-Symmetric Phononic Crystals. <b>2016</b> , 117, 224302	19
845	Quantum-statistical approach to electromagnetic wave propagation and dissipation inside dielectric media and nanophotonic and plasmonic waveguides. <b>2016</b> , 94,	13
844	Observation of Parity-Time Symmetry in Optically Induced Atomic Lattices. <b>2016</b> , 117, 123601	171
843	Axisymmetric photonic structures with PT-symmetry. <b>2016</b> ,	1
842	Propagation of electromagnetic waves in PT-symmetric hyperbolic structures. <b>2016</b> , 94,	16
841	Twofold PT symmetry in doubly exponential optical lattices. <b>2016</b> , 93,	9
840	Full quantum treatment of a light diode. <b>2016</b> , 93,	26

839	Localized PT-symmetric directionally invisible scatterers. <b>2016</b> , 93,	6
838	Transparency in nonlinear frequency conversion. <b>2016</b> , 93,	2
837	PT-breaking threshold in spatially asymmetric Aubry-Andr� and Harper models: Hidden symmetry and topological states. <b>2016</b> , 93,	51
836	Quantum decay and amplification in a non-Hermitian unstable continuum. <b>2016</b> , 93,	1
835	Parity-time symmetry breaking in two-dimensional photonic crystals: Square lattice. <b>2016</b> , 93,	19
834	Giant enhancement of optical high-order sideband generation and their control in a dimer of two cavities with gain and loss. <b>2016</b> , 93,	21
833	Towards nanoscale multiplexing with parity-time-symmetric plasmonic coaxial waveguides. <b>2016</b> , 93,	12
832	Parity-time-symmetric teleportation. <b>2016</b> , 93,	23
831	Integrable nonlinear parity-time-symmetric optical oscillator. <b>2016</b> , 93, 042219	10
830	Exceptional Contours and Band Structure Design in Parity-Time Symmetric Photonic Crystals. <b>2016</b> , 116, 203902	77
829	Emergence, Coalescence, and Topological Properties of Multiple Exceptional Points and Their Experimental Realization. <b>2016</b> , 6,	162
828	All-real spectra in optical systems with arbitrary gain-and-loss distributions. <b>2016</b> , 93,	57
827	Dynamically encircling an exceptional point for asymmetric mode switching. <b>2016</b> , 537, 76-79	414
826	Experimental demonstration of PT-symmetric stripe lasers. <b>2016</b> , 10, 588-594	47
825	Color-Selective 2.5D Holograms on Large-Area Flexible Substrates for Sensing and Multilevel Security. <b>2016</b> , 4, 1589-1600	38
824	Parity-time symmetry under magnetic flux. <b>2016</b> , 93,	9
823	Nonlinear waves in PT-symmetric systems. <b>2016</b> , 88,	541
822	Unidirectionally molding electromagnetic waves with magnetic metamaterials and metasurfaces. <b>2016</b> ,	

821	Flatland Optics with Hyperbolic Metasurfaces. <b>2016</b> , 3, 2211-2224	100
820	$\mathcal{PT}$ -symmetric quantum oscillator in an optical cavity. <b>2016</b> , 115, 61001	9
819	Locally parity-time-symmetric and globally parity-symmetric systems. <b>2016</b> , 94,	13
818	Exact localized solutions of (1 + 1)-dimensional nonlinear Schrödinger equation with complex ?? symmetric potentials and power-law nonlinearity. <b>2016</b> , 25, 1650036	4
817	Acoustic metamaterials: From local resonances to broad horizons. <b>2016</b> , 2, e1501595	662
816	Unidirectional perfect absorber. <b>2016</b> , 6, 32919	13
815	The Asymmetric Active Coupler: Stable Nonlinear Supermodes and Directed Transport. <b>2016</b> , 6, 33699	23
814	Lasing and anti-lasing in a single cavity. <b>2016</b> , 10, 796-801	201
813	Parity-Time Symmetry Breaking in Coupled Nanobeam Cavities. <b>2016</b> , 6, 24487	27
812	Accessing the exceptional points of parity-time symmetric acoustics. <b>2016</b> , 7, 11110	152
811	Exact control of parity-time symmetry in periodically modulated nonlinear optical couplers. <b>2016</b> , 94,	7
810	Wave-front Transformation with Gradient Metasurfaces. <b>2016</b> , 6,	112
809	Optical-reciprocity-induced symmetry in photonic heterostructures and its manifestation in scattering PT-symmetry breaking. <b>2016</b> , 94,	14
808	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice. <b>2016</b> , 7, 11319	64
807	Coherent perfect absorption in one-sided reflectionless media. <b>2016</b> , 6, 35356	16
806	Long-range entangled zero-mode state in a non-Hermitian lattice. <b>2016</b> , 94,	12
805	Metawaveguide for Asymmetric Interferometric Light-Light Switching. <b>2016</b> , 117, 193901	36
804	The KdV hierarchy in optics. <b>2016</b> , 18, 085104	13



803	Parity-time symmetry-broken Bragg grating operating with long-range surface plasmon polaritons. <b>2016</b> , 122, 1	0
802	PT symmetry breaking and nonlinear optical isolation in coupled microcavities. <b>2016</b> , 24, 6916-30	30
801	On the effect of exceptional points in the Liouvillian dynamics of a 1D quantum Lorentz gas. <b>2016</b> , 2016, 053A02	5
800	Anisotropic Optical Response of Nanostructures with Balanced Gain and Loss. <b>2016</b> , 3, 1301-1307	26
799	Nonlinearity-induced PT-symmetry without material gain. <b>2016</b> , 18, 065001	20
798	Unidirectional reflectionless phenomenon in periodic ternary layered material. <b>2016</b> , 24, 14311-21	25
797	Two dimensional spatial solitons in parity-time symmetric potential. <b>2016</b> , 127, 7550-7556	2
796	Optical PT-symmetry and PT-antisymmetry in coherently driven atomic lattices. <b>2016</b> , 24, 4289-98	32
795	Asymmetric light propagation based on complex all-dielectric graded photonic crystals. <b>2016</b> , 18, 075105	4
794	Parity-time symmetric cloak with isotropic modulation. <b>2016</b> , 49, 21LT01	1
793	Oblique-incidence-induced phase transition in parity-time symmetric optical bilayers. <b>2016</b> , 18, 025611	3
792	Design Considerations for Single-Mode Microring Lasers Using Parity-Time-Symmetry. <b>2016</b> , 22, 1-7	4
791	Modal Gain Analysis of Parity-Time-Symmetric Distributed Feedback Lasers. <b>2016</b> , 22, 5-11	11
790	Extension of analytic results for aPT-symmetric structure. <b>2016</b> , 18, 055101	2
789	Loss-induced super scattering and gain-induced absorption. <b>2016</b> , 24, 1291-304	25
788	Unidirectional Bragg Gratings Using Parity-Time Symmetry Breaking in Plasmonic Systems. <b>2016</b> , 22, 48-59	7
787	Zero index metamaterials with PT symmetry in a waveguide system. <b>2016</b> , 24, 1648-57	48
786	Design Considerations for Single-Mode Microring Lasers Using Parity-Time-Symmetry. <b>2016</b> , 22, 12-18	10

785	Unidirectional reflectionless propagation in plasmonic waveguide-cavity devices. <b>2016,</b>	1
784	Chiral Modes in 2D PT-Symmetric Nanostructures. <b>2016,</b> 125-138	
783	Synthetic Structures with Parity-Time Symmetry. <b>2016,</b> 147-162	2
782	Refractive index measurement using coupled micro-resonator laser based on parity-time symmetry breaking. <b>2016,</b> 63, 798-803	2
781	All-dielectric structure development for electromagnetic wave shielding using a systematic design approach. <b>2017,</b> 110, 021908	6
780	Extremely broadband, on-chip optical nonreciprocity enabled by mimicking nonlinear anti-adiabatic quantum jumps near exceptional points. <b>2017,</b> 8, 14154	53
779	Unidirectional invisibility induced by parity-time symmetric circuit. <b>2017,</b> 7, 40575	6
778	Unidirectional reflectionlessness and invisibility in the TE and TM modes of a PT-symmetric slab system. <b>2017,</b> 95,	28
777	Contrasting eigenvalue and singular-value spectra for lasing and antilasing in a PT-symmetric periodic structure. <b>2017,</b> 95,	21
776	Floquet control of the gain and loss in a PT-symmetric optical coupler. <b>2017,</b> 12, 1	14
775	Ultrastrong Graphene Absorption Induced by One-Dimensional Parity-Time Symmetric Photonic Crystal. <b>2017,</b> 9, 1-9	15
774	One-way light transport controlled by synthetic magnetic fluxes and $\mathcal{PT}$ -symmetric resonators. <b>2017,</b> 19, 015010	15
773	Discrete multipole dark solitons in saturable nonlinearity media with parity-time symmetric lattices. <b>2017,</b> 132, 1	2
772	Resonant routing of optical pulses in coupled-cavity structures. <b>2017,</b>	
771	Controllable optical response by modifying the gain and loss of a mechanical resonator and cavity mode in an optomechanical system. <b>2017,</b> 95,	49
770	Dynamically Encircling Exceptional Points: Exact Evolution and Polarization State Conversion. <b>2017,</b> 118, 093002	135
769	Controlling propagation and coupling of waveguide modes using phase-gradient metasurfaces. <b>2017,</b> 12, 675-683	207
768	Transparent Perfect Mirror. <b>2017,</b> 4, 1026-1032	6

767	Self-acceleration in non-Hermitian systems. <b>2017</b> , 381, 2235-2238	1
766	On-Chip Wireless Optical Channel Modeling for Massive Multi-Core Computing Architectures. <b>2017</b> ,	7
765	One-way invisibility in isotropic dielectric optical media. <b>2017</b> , 85, 439-446	14
764	Nonlinear behaviors in a PDE model for parity-time-symmetric lasers. <b>2017</b> , 19, 054004	3
763	Dispersion Topological Darkness at Multiple Wavelengths and Polarization States. <b>2017</b> , 5, 1700166	7
762	PT-axisymmetry for extraordinary field confinement. <b>2017</b> ,	
761	A parity-time symmetry single-mode laser based on graphene. <b>2017</b> , 64, 2133-2140	
760	Parity-time-symmetric quantum critical phenomena. <b>2017</b> , 8, 15791	127
759	Dynamically controlled optical nonreciprocity of a double-ladder system with spontaneously generated coherence in moving atomic optical lattice. <b>2017</b> , 26, 054207	2
758	Unidirectional reflectionless light propagation at exceptional points. <b>2017</b> , 6, 977-996	47
757	Consequences of nonreciprocity in reflection from a truncated spatial Kramers-Kronig medium. <b>2017</b> , 19, 075401	1
756	Terahertz unidirectional invisibility in grating-based structures. <b>2017</b> , 64, 1971-1975	
755	Relativistic Zitterbewegung in non-Hermitian photonic waveguide systems. <b>2017</b> , 19, 013017	
754	Non-Hermitian interferometer: Unidirectional amplification without distortion. <b>2017</b> , 95,	14
753	Controlling of blow-up responses by nonlinear PT-symmetric coupling. <b>2017</b> , 95,	3
752	Parity-Time Symmetry in Free Space Optics. <b>2017</b> , 143-192	
751	Non-Hermitian Floquet invisibility. <b>2017</b> , 117, 10005	12
750	Asymmetric pendulum effect and transparency change of PT-symmetric photonic crystals under dynamical Bragg diffraction beyond the paraxial approximation. <b>2017</b> , 95,	11

749	Localization, quantum resonances, and ratchet acceleration in a periodically kicked PT-symmetric quantum rotator. <b>2017</b> , 95,	13
748	Nonlinear Schrödinger equation with complex supersymmetric potentials. <b>2017</b> , 14, 347-356	0
747	Unidirectional reflectionless phenomenon in ultracompact non-Hermitian plasmonic waveguide system based on phase coupling. <b>2017</b> , 19, 125005	10
746	Unidirectional reflectionlessness and perfect nonreciprocal absorption in stacked asymmetric metamaterial based on near-field coupling. <b>2017</b> , 10, 112001	16
745	Su-Schrieffer-Heeger chain with one pair of [Formula: see text]-symmetric defects. <b>2017</b> , 7, 5903	38
744	Asymmetric effects in waveguide systems using PT symmetry and zero index metamaterials. <b>2017</b> , 7, 12476	9
743	Oscillating potential well in the complex plane and the adiabatic theorem. <b>2017</b> , 96,	6
742	Coherent perfect absorbers: linear control of light with light. <b>2017</b> , 2,	163
741	Optical isolation based on space-time engineered asymmetric photonic band gaps. <b>2017</b> , 96,	60
740	Kramers-Kronig potentials for the discrete Schrödinger equation. <b>2017</b> , 96,	8
739	Effects of synthetic magnetic flux in a parity-time-symmetric system of three coupled optical resonators. <b>2017</b> , 96,	3
738	The boomerang effect in electron-hydrogen molecule scattering as determined by time-dependent calculations. <b>2017</b> , 146, 204303	6
737	Floquet exceptional points and chirality in non-Hermitian Hamiltonians. <b>2017</b> , 50, 505201	21
736	Unidirectional Reflectionless Propagation in Plasmonic Waveguide System Based on Phase Coupling Between Two Stub Resonators. <b>2017</b> , 9, 1-9	9
735	Solitons in PT-symmetric SRR dimers chain with alternating electric and magnetic coupling. <b>2017</b> , 381, 3934-3939	
734	Nonlinear eigenvalue problems and PT-symmetric quantum mechanics. <b>2017</b> , 873, 012002	6
733	Non-Hermitian time-dependent perturbation theory: Asymmetric transitions and transitionless interactions. <b>2017</b> , 385, 744-756	9
732	Wave propagation through disordered media without backscattering and intensity variations. <b>2017</b> , 6, e17035	39

731	Switching the unidirectional reflectionlessness by polarization in non-ideal PT metamaterial based on the phase coupling. <b>2017</b> , 7, 10742	18
730	Topological phases and edge states in a non-Hermitian trimerized optical lattice. <b>2017</b> , 96,	63
729	Quantum-statistical property of optical diode based on cavity QED. <b>2017</b> , 96,	4
728	Observation of topological edge states in parity-time-symmetric quantum walks. <b>2017</b> , 13, 1117-1123	267
727	Universal Critical Behaviours in Non-Hermitian Phase Transitions. <b>2017</b> , 7, 7165	10
726	Comprehensive understanding of parity-time transitions in PT-symmetric photonic crystals with an antiunitary group theory. <b>2017</b> , 95,	3
725	Role of Resonance Modes on Terahertz Metamaterials based Thin Film Sensors. <b>2017</b> , 7, 7355	57
724	Unidirectional Excitation of Radiative-Loss-Free Surface Plasmon Polaritons in PT-Symmetric Systems. <b>2017</b> , 119, 077401	31
723	Spatiotemporal deformations of reflectionless potentials. <b>2017</b> , 96,	10
722	Perfect absorption and no reflection in disordered photonic crystals. <b>2017</b> , 95,	9
721	Optical fluxes in coupled PT-symmetric photonic structures. <b>2017</b> , 96,	5
720	Partial chiral symmetry-breaking as a route to spectrally isolated topological defect states in two-dimensional artificial materials. <b>2017</b> , 4, 025008	31
719	Scattering by Finite Periodic PT-Symmetric Structures. <b>2017</b> , 119, 243904	15
718	Non-Hermitian photonics based on parity-time symmetry. <b>2017</b> , 11, 752-762	509
717	Chiral state conversion without encircling an exceptional point. <b>2017</b> , 96,	35
716	Wide-range-tunable Dirac-cone band structure in a chiral-time-symmetric non-Hermitian system. <b>2017</b> , 96,	9
715	Optimal [Formula: see text] -symmetric switch features exceptional point. <b>2017</b> , 7, 13299	8
714	Statistical parity-time-symmetric lasing in an optical fibre network. <b>2017</b> , 8, 1359	20

713	Scattering properties of a PT dipole. <b>2017</b> , 96,	4
712	Information Retrieval and Criticality in Parity-Time-Symmetric Systems. <b>2017</b> , 119, 190401	88
711	Bifurcated overtones of one-way localized Fabry-Pérot resonances in parity-time symmetric optical lattices. <b>2017</b> , 26, 074218	1
710	Parity-time symmetric complex-coupled distributed feedback laser with excellent immunity to external optical feedback. <b>2017</b> , 7, 035010	3
709	Achieving Arbitrary Control over Pairs of Polarization States Using Complex Birefringent Metamaterials. <b>2017</b> , 118, 253902	29
708	Stability through asymmetry: Modulationally stable nonlinear supermodes of asymmetric non-Hermitian optical couplers. <b>2017</b> , 95,	23
707	Rapidly oscillating scatteringless non-Hermitian potentials and the absence of Kapitza stabilization. <b>2017</b> , 118, 20004	5
706	PT-Symmetric Coupled-Resonator Waveguide Based on Buried Heterostructure Nanocavities. <b>2017</b> , 7,	13
705	Effects of the third-order dispersion on continuous waves in complex potentials. <b>2017</b> , 71, 1	4
704	Non-Hermitian acoustic metamaterials: Role of exceptional points in sound absorption. <b>2017</b> , 95,	54
703	Phase-coupled optical diode based on PT symmetric system. <b>2017</b> , 383, 238-243	1
702	Four coupled parity-time symmetric micro-rings for single-mode laser operation. <b>2017</b> , 64, 691-697	1
701	Modal Discrimination in Parity-Time-Symmetric Single Microring Lasers. <b>2017</b> , 9, 1-8	2
700	. <b>2017</b> ,	
699	Broadband mixing of [Formula: see text]-symmetric and [Formula: see text]-broken phases in photonic heterostructures with a one-dimensional loss/gain bilayer. <b>2017</b> , 7, 15504	6
698	Effect of PT symmetry in a parallel double-quantum-dot structure. <b>2017</b> , 96,	7
697	Enhanced nonlinear frequency conversion and Purcell enhancement at exceptional points. <b>2017</b> , 96,	13
696	Experimental observation of the topological structure of exceptional points in an ultrathin hybridized metamaterial. <b>2017</b> , 96,	5

695	Unidirectional zero reflection as gauged parity-time symmetry. <b>2017</b> , 19, 123041	14
694	Parity-time symmetry meets photonics: A new twist in non-Hermitian optics. <b>2017</b> , 120, 64001	137
693	Exceptional points in Fano-resonant graphene metamaterials. <b>2017</b> , 25, 7203-7212	29
692	Large and tunable lateral shifts in one-dimensional PT-symmetric layered structures. <b>2017</b> , 25, 9676-9688	27
691	Unidirectional reflectionless propagation in a non-ideal parity-time metasurface based on far field coupling. <b>2017</b> , 25, 11778-11787	32
690	Coherent-trapped helical mode in parity-time symmetric metamaterials. <b>2017</b> , 25, 15231-15240	2
689	?? symmetric phase transition and photonic transmission in an optical trimer system. <b>2017</b> , 25, 17249-17257	13
688	Spawning a ring of exceptional points from a metamaterial. <b>2017</b> , 25, 18265-18273	9
687	Dual-band unidirectional reflectionless phenomena in an ultracompact non-Hermitian plasmonic waveguide system based on near-field coupling. <b>2017</b> , 25, 24281-24289	26
686	Ultrastrong extraordinary transmission and reflection in PT-symmetric Thue-Morse optical waveguide networks. <b>2017</b> , 25, 27724-27735	21
685	Parity-time symmetry in coherently coupled vertical cavity laser arrays. <b>2017</b> , 4, 323	65
684	Constructing the scattering matrix for optical microcavities as a nonlocal boundary value problem. <b>2017</b> , 5, B20	2
683	Thresholdless characterization in space and time reflection symmetry electronic dimers. <b>2017</b> , 34, 658	8
682	Octave-spanning coherent perfect absorption in a thin silicon film. <b>2017</b> , 42, 151-154	13
681	General theory of spontaneous emission near exceptional points. <b>2017</b> , 25, 12325-12348	79
680	Switching of the direction of reflectionless light propagation at exceptional points in non-PT-symmetric structures using phase-change materials. <b>2017</b> , 25, 27283-27297	18
679	Perfect broadband invisibility in isotropic media with gain and loss. <b>2017</b> , 42, 5250-5253	14
678	Unidirectional Excitation of Radiative-Loss-Free Surface Plasmon Polaritons in Parity-Time Symmetric Systems. <b>2017</b> ,	

677	Electrical tunability due to coalescence of exceptional points in parity-time symmetric waveguides. <b>2017</b> , 42, 535-538	3
676	Optically switchable directional invisibility. <b>2017</b> , 42, 1301-1304	2
675	Asymmetric light diffraction of an atomic grating with PT symmetry. <b>2017</b> , 42, 4283-4286	27
674	New avenues for light-matter interaction: Parity-time symmetry and non-ergodic behaviour of gain-loss transducer arrays. <b>2017</b> ,	
673	Effect of Nonlinear Loss and Gain in Multilayer PT-Symmetric Bragg Grating. <b>2017</b> , 53, 1-11	146
672	Surface-Plasmon-Polariton Diode by Asymmetric Plano-Concave Nanocavities. <b>2018</b> , 6, 1701226	6
671	Non-Hermitian optics in atomic systems. <b>2018</b> , 51, 072001	20
670	Defect States Emerging from a Non-Hermitian Flatband of Photonic Zero Modes. <b>2018</b> , 120, 093901	55
669	Parity-time symmetric coupler in transverse periodic and aperiodic potentials. <b>2018</b> , 133, 1	3
668	Unidirectional reflectionlessness and nonreciprocal perfect absorption in optical waveguide system based on phase coupling between two photonic crystal cavities. <b>2018</b> , 27, 1850004	2
667	Enhanced response of non-Hermitian photonic systems near exceptional points. <b>2018</b> , 97,	7
666	Topological Band Theory for Non-Hermitian Hamiltonians. <b>2018</b> , 120, 146402	429
665	Ge Sb Te -Based Tunable Perfect Absorber Cavity with Phase Singularity at Visible Frequencies. <b>2018</b> , 30, e1706696	54
664	Unidirectional reflectionless propagation in non-Hermitian metamaterial based on phase coupling between two resonators. <b>2018</b> , 414, 172-176	8
663	Parity-time-symmetric coupled asymmetric dimers. <b>2018</b> , 97,	19
662	Parity-time symmetric photonics. <b>2018</b> , 5, 183-199	39
661	SUSY Quantum Mechanics for PT Symmetric Systems. <b>2018</b> , 88, 633-638	1
660	Biosensing with the singular phase of an ultrathin metal-dielectric nanophotonic cavity. <b>2018</b> , 9, 369	65



659	Time-invariant PT product and phase locking in PT-symmetric lattice models. <b>2018</b> , 97,	2
658	Parametric amplification and bidirectional invisibility in PT-symmetric time-Floquet systems. <b>2018</b> , 97,	41
657	Coalescence of nonreciprocal exceptional points in magnetized PT-symmetric systems. <b>2018</b> , 97,	8
656	Winding in non-Hermitian systems. <b>2018</b> , 51, 055201	4
655	Unidirectional invisibility and PT symmetry with graphene. <b>2018</b> , 97,	13
654	Optical Pulling and Pushing Forces in Bilayer PT-Symmetric Structures. <b>2018</b> , 9,	24
653	Non-Hermitian physics and PT symmetry. <b>2018</b> , 14, 11-19	820
652	Breaking the barriers: advances in acoustic functional materials. <b>2018</b> , 5, 159-182	102
651	Exceptional point engineered glass slide for microscopic thermal mapping. <b>2018</b> , 9, 1764	21
650	Full-Counting Many-Particle Dynamics: Nonlocal and Chiral Propagation of Correlations. <b>2018</b> , 120, 185301	32
649	CNFs@carbonaceous Co/CoO composite derived from CNFs penetrated through ZIF-67 for high-efficient electromagnetic wave absorption material. <b>2018</b> , 752, 115-122	44
648	Photonic zero mode in a non-Hermitian photonic lattice. <b>2018</b> , 9, 1308	112
647	Directionality fields generated by a local Hilbert transform. <b>2018</b> , 97,	5
646	Asymmetric lasing at spectral singularities. <b>2018</b> , 97,	10
645	Optical parametric amplifications in parity-time symmetric negative-index materials. <b>2018</b> , 47, 115-120	1
644	Asymmetric photon transport in organic semiconductor nanowires through electrically controlled exciton diffusion. <b>2018</b> , 4, eaap9861	39
643	Krein signature for instability of PT-symmetric states. <b>2018</b> , 371, 48-59	1
642	Anomalous amplified and bound-state-like optical transmissions via unidirectional interaction in parity-time symmetric metamaterials. <b>2018</b> , 123, 103102	3

641	Unidirectional Wave Vector Manipulation in Two-Dimensional Space with an All Passive Acoustic Parity-Time-Symmetric Metamaterials Crystal. <b>2018</b> , 120, 124502	89
640	Universal Pseudo- $\mathcal{PT}$ -Antisymmetry on One-Dimensional Atomic Optical Lattices. <b>2018</b> , 70, 303	
639	Asymmetric light diffraction of two-dimensional electromagnetically induced grating with PT symmetry in asymmetric double quantum wells. <b>2018</b> , 26, 32918-32930	18
638	Dual-Band Unidirectional Reflectionless Propagation in Metamaterial Based on Two Circular-Hole Resonators. <b>2018</b> , 11,	5
637	Photonic Topological Insulating Phase Induced Solely by Gain and Loss. <b>2018</b> , 121, 213902	104
636	Fano Resonances and Bound States in the Continuum in Evanescently-Coupled Optical Waveguides and Resonators. <b>2018</b> , 85-108	1
635	Accessing the Exceptional Points in Coupled FabryPerot Resonators through Hybrid Integration. <b>2018</b> , 5, 4920-4927	6
634	Unidirectional zero sonic reflection in passive PT-symmetric Willis media. <b>2018</b> , 98,	39
633	Phase-dependent $\mathcal{PT}$ -, non- $\mathcal{PT}$ -, and anti- $\mathcal{PT}$ -symmetry. <b>2018</b> , 124, 41001	3
632	Non-Hermitian Optical Waveguide Couplers. <b>2018</b> , 277-300	
631	Parity-Time-Symmetric Optical Lattices in Atomic Configurations. <b>2018</b> , 215-236	
630	Acoustic Metamaterials Crystal for Passive Parity-Time-Symmetric Modulation. <b>2018</b> ,	
629	Higher Order Exceptional Points in Discrete Photonics Platforms. <b>2018</b> , 261-275	5
628	Construction of Non- $\mathbb{PT}$ -Symmetric Complex Potentials with All-Real Spectra. <b>2018</b> , 513-534	1
627	Constant-Intensity Waves in Non-Hermitian Media. <b>2018</b> , 535-555	0
626	PT-Symmetry on-a-Chip: Harnessing Optical Loss for Novel Integrated Photonic Functionality. <b>2018</b> , 33-52	
625	Parity-Time Symmetry in Scattering Problems. <b>2018</b> , 53-74	1
624	Non-Hermitian Effects Due to Asymmetric Backscattering of Light in Whispering-Gallery Microcavities. <b>2018</b> , 155-184	1

623 Wave Engineering in Complex Media. **2018,**

622 Tunable Fano resonances via optomechanical effect and gain-loss ratio in coupled microresonators. **2018, 28, 116003** 2

621 Parity-time symmetry in optical microcavity systems. **2018, 51, 222001** 24

620 Non-Hermitian Chern Bands. **2018, 121, 136802** 303

619 Ultrasensitive, Parity-Time-Symmetric Wireless Reactive and Resistive Sensors. **2018, 18, 9548-9555** 29

618 PT-symmetric Talbot effect in a temporal mesh lattice. **2018, 98,** 6

617 Active polarization control with a parity-time-symmetric plasmonic resonator. **2018, 98,** 11

616 Superoscillatory PT-symmetric potentials. **2018, 98,** 1

615 Exceptional points and dynamics of an asymmetric non-Hermitian two-level system. **2018, 98,** 8

614 PT phase transitions of edge states at PT symmetric interfaces in non-Hermitian topological insulators. **2018, 98,** 50

613 Anomalous helical edge states in a non-Hermitian Chern insulator. **2018, 98,** 99

612 Fragile aspects of topological transition in lossy and parity-time symmetric quantum walks. **2018, 8, 12065** 4

611 PT-Symmetric Inductive Displacement Sensors. **2018,**

610 Outfitting Next Generation Displays with Optical Metasurfaces. **2018, 5, 3876-3895** 85

609 Simultaneous Observation of a Topological Edge State and Exceptional Point in an Open and Non-Hermitian Acoustic System. **2018, 121, 124501** 93

608 Highly amplified light transmission in a parity-time symmetric multilayered structure. **2018, 57, 1119-1126** 7

607 Mode conversion and absorption in an optical waveguide under cascaded complex modulations. **2018, 50, 1** 17

606 Asymmetric localization induced by non-Hermitian perturbations with PT symmetry in photonic lattice. **2018, 43, 4457-4460** 4

605	Waveguide-Integrated Compact Plasmonic Resonators for On-Chip Mid-Infrared Laser Spectroscopy. <b>2018</b> , 18, 7601-7608	36
604	Single frequency semiconductor laser exploiting the concept of Parity-Time symmetry. <b>2018</b> ,	
603	PT-symmetric coherent perfect absorber with graphene. <b>2018</b> , 35, 2423	16
602	Tunable Orbital Angular Momentum Radiation from Angular-Momentum-Biased Microcavities. <b>2018</b> , 121, 103901	14
601	Rational synthesis of organic single-crystalline microrods and microtubes for efficient optical waveguides. <b>2018</b> , 6, 9594-9598	17
600	Resonant scattering from a two-dimensional honeycomb PT dipole structure. <b>2018</b> , 97,	0
599	Piecewise adiabatic following in non-Hermitian cycling. <b>2018</b> , 97,	12
598	A Squeezed Review on Coherent States and Nonclassicality for Non-Hermitian Systems with Minimal Length. <b>2018</b> , 209-242	13
597	Constant-pressure sound waves in non-Hermitian disordered media. <b>2018</b> , 14, 942-947	50
596	Acoustic response in a one-dimensional layered pseudo-Hermitian metamaterial containing defects. <b>2018</b> , 123, 245109	2
595	Optical switching through graphene-induced exceptional points. <b>2018</b> , 35, 1525	8
594	Giant Goos-Hñchen shifts in non-Hermitian dielectric multilayers incorporated with graphene. <b>2018</b> , 26, 2817-2828	22
593	Understanding and overcoming fundamental limits of asymmetric light-light switches. <b>2018</b> , 26, 3618-3626	1
592	Unidirectional reflectionless phenomena in a non-Hermitian quantum system of quantum dots coupled to a plasmonic waveguide. <b>2018</b> , 26, 3839-3849	13
591	Optical gradient forces in PT-symmetric coupled-waveguide structures. <b>2018</b> , 26, 10220-10229	11
590	Cross-Kerr effect in a parity-time symmetric optomechanical system. <b>2018</b> , 26, 18043-18054	5
589	Dispersive non-Hermitian optical heterostructures. <b>2018</b> , 6, A1	6
588	Loss-induced control of light propagation direction in passive linear coupled optical cavities. <b>2018</b> , 6, 525	6

587	Extraordinary characteristics for one-dimensional parity-time-symmetric periodic ring optical waveguide networks. <b>2018</b> , 6, 579	18
586	Parity-time-symmetric whispering-gallery mode nanoparticle sensor [Invited]. <b>2018</b> , 6, A23	47
585	Passive parity-time-symmetry-breaking transitions without exceptional points in dissipative photonic systems [Invited]. <b>2018</b> , 6, A51	18
584	Introduction to non-Hermitian photonics in complex media: PT-symmetry and beyond. <b>2018</b> , 6, PTS1	11
583	Nonlocal gap solitons in parity-time symmetric coupler with transverse real potential. <b>2018</b> , 20, 095504	1
582	Elimination of Spatial Hole Burning in Microlasers for Stability and Efficiency Enhancement. <b>2018</b> , 5, 3016-3022 <sub>13</sub>	
581	Invisibility on demand based on a generalized Hilbert transform. <b>2018</b> , 98,	12
580	Asymmetric Free-Space Light Transport at Nonlinear Metasurfaces. <b>2018</b> , 121, 046101	17
579	Electromagnetic Impurity-Immunity Induced by Parity-Time Symmetry. <b>2018</b> , 8,	24
578	Exceptional points and photonic catastrophe. <b>2018</b> , 43, 2929-2932	17
577	Non-Hermitian dynamics of slowly varying Hamiltonians. <b>2018</b> , 98,	12
576	High-Performance Terahertz Sensing at Exceptional Points in a Bilayer Structure. <b>2018</b> , 1, 1800070	14
575	Scattering properties of a parity-time-antisymmetric non-Hermitian system. <b>2018</b> , 98,	8
574	Large lateral shift in complex dielectric multilayers with nearly paritytime symmetry. <b>2018</b> , 50, 1	21
573	Incident Direction Independent Wave Propagation and Unidirectional Lasing. <b>2018</b> , 121, 073901	53
572	Rational Design, Controlled Fabrication, and Photonic Applications of Organic Composite Nanomaterials. <b>2018</b> , 6, 1701193	16
571	Simple harmonic oscillation in a non-Hermitian Su-Schrieffer-Heeger chain at the exceptional point. <b>2018</b> , 98,	7
570	Experimental Demonstration of an Anisotropic Exceptional Point. <b>2018</b> , 121, 085702	46

569	Edge States and Topological Invariants of Non-Hermitian Systems. <b>2018</b> , 121, 086803	516
568	Realization of simultaneously parity-time-symmetric and parity-time-antisymmetric susceptibilities along the longitudinal direction in atomic systems with all optical controls. <b>2018</b> , 26, 21969-21978	12
567	Invited Article: Mitigation of dynamical instabilities in laser arrays via non-Hermitian coupling. <b>2018</b> , 3, 060802	27
566	Nonreciprocity in synthetic photonic materials with nonlinearity. <b>2018</b> , 43, 443-451	11
565	An experiment study on AC conductivity of conductive ink film at microwave X-band. <b>2018</b> ,	
564	Stability band structure for periodic states in periodic potentials. <b>2019</b> , 141, 44-53	1
563	Non-Bloch Band Theory of Non-Hermitian Systems. <b>2019</b> , 123, 066404	212
562	Topology and observables of the non-Hermitian Chern insulator. <b>2019</b> , 100,	24
561	Classification of Exceptional Points and Non-Hermitian Topological Semimetals. <b>2019</b> , 123, 066405	119
560	Acoustic conjugate metamaterials. <b>2019</b> , 100,	4
559	Asymmetric scattering of flexural waves in a parity-time symmetric metamaterial beam. <b>2019</b> , 146, 850	12
558	Topological phase transition independent of system non-Hermiticity. <b>2019</b> , 100,	30
557	Quantum transport in non-Hermitian impurity arrays. <b>2019</b> , 100,	7
556	Coherent Perfect Absorption Laser Points in One-Dimensional Anti-Parity-Time-Symmetric Photonic Crystals. <b>2019</b> , 9, 2738	12
555	Switching dynamics in parity-time symmetric coupler with nonlocal nonlinearity having transverse potentials. <b>2019</b> , 66, 1528-1533	0
554	Dual-band unidirectional reflectionlessness in non-Hermitian quantum system consisting of a gain and a loss plasmonic cavities. <b>2019</b> , 18, 1	4
553	Propagation of surface plasmons on plasmonic Bragg gratings. <b>2019</b> , 125, 243106	3
552	Broadband and wide-angle invisibility with P T-symmetric 2D-Weyl semimetal. <b>2019</b> , 126, 163102	4

551	Breakup and Recovery of Topological Zero Modes in Finite Non-Hermitian Optical Lattices. <b>2019</b> , 123, 165701	41
550	Unidirectional flow of solitons with nonlinearity management. <b>2019</b> , 100, 042213	5
549	Flat band in two-dimensional non-Hermitian optical lattices. <b>2019</b> , 100,	11
548	Achieving self-guiding unidirectional electromagnetic bulk states by breaking time-mirror symmetry. <b>2019</b> , 115, 111902	1
547	Sensitivity of parameter estimation near the exceptional point of a non-Hermitian system. <b>2019</b> , 21, 083002	35
546	Anti-Parity-Time Symmetric Optical Four-Wave Mixing in Cold Atoms. <b>2019</b> , 123, 193604	19
545	Unidirectional reflectionless transmission for two-dimensional PT-symmetric periodic structures. <b>2019</b> , 100,	5
544	PT-symmetric transverse mode splitting in coupled quantum cascade lasers. <b>2019</b> , 66, 1984-1989	0
543	Photonic spin Hall effect in PT symmetric metamaterials. <b>2019</b> , 14, 1	28
542	Parity-Time Symmetry Synthetic Lasers: Physics and Devices. <b>2019</b> , 7, 1900694	16
541	Nonreciprocal Transmission in Nonlinear PT-Symmetric Metamaterials Using Epsilon-Near-Zero Media Doped with Defects. <b>2019</b> , 7, 1901083	13
540	Non-Hermitian Skin Effect and Chiral Damping in Open Quantum Systems. <b>2019</b> , 123, 170401	117
539	Enhanced stability, bistability, and exceptional points in saturable active photonic couplers. <b>2019</b> , 100,	15
538	Exceptional concentric rings in a non-Hermitian bilayer photonic system. <b>2019</b> , 100,	9
537	Symmetry and Topology in Non-Hermitian Physics. <b>2019</b> , 9,	261
536	Interplay between nonclassicality and PT symmetry in an effective two-level system with open system effects. <b>2019</b> , 100,	2
535	Controlling the degrees of freedom in metasurface designs for multi-functional optical devices. <b>2019</b> , 1, 3786-3806	16
534	Top-Down Design of Disordered Photonic Structures. <b>2019</b> ,	

533	Designing Modes in Disordered Photonic Structures. <b>2019</b> , 47-81	
532	Experimental Demonstration of an Acoustic Asymmetric Diffraction Grating Based on Passive Parity-Time-Symmetric Medium. <b>2019</b> , 12,	16
531	Terahertz multi-band unidirectional reflectionless phenomenon in a MIM plasmonic waveguide system based on near-field coupling. <b>2019</b> , 28, 1950008	2
530	Multifaceted dynamics and gap solitons in PT-symmetric periodic structures. <b>2019</b> , 100,	11
529	Controlling photonic spin Hall effect via exceptional points. <b>2019</b> , 100,	31
528	Unidirectional Invisibility Induced by Complex Anti-Parity-Time Symmetric Periodic Lattices. <b>2019</b> , 9, 3808	6
527	Helical resonant transport and purified amplification at an exceptional point. <b>2019</b> , 100,	6
526	Lopsided diffractions of distinct symmetries in two-dimensional non-Hermitian optical gratings. <b>2019</b> , 100,	11
525	Non-Hermitian Hopf-link exceptional line semimetals. <b>2019</b> , 99,	86
524	Optically Modulated Ultra-Broadband All-Silicon Metamaterial Terahertz Absorbers. <b>2019</b> , 6, 830-837	92
523	Non-Hermitian phase transition and eigenstate localization induced by asymmetric coupling. <b>2019</b> , 99,	10
522	Interacting non-Hermitian ultracold atoms in a harmonic trap: Two-body exact solution and a high-order exceptional point. <b>2019</b> , 99,	12
521	Periodic table for topological bands with non-Hermitian symmetries. <b>2019</b> , 99,	152
520	Dispersive readout of a weakly coupled qubit via the parity-time-symmetric phase transition. <b>2019</b> , 99,	8
519	Chiral Metamaterials with PT Symmetry and Beyond. <b>2019</b> , 122, 213201	15
518	Anisotropic exceptional points of arbitrary order. <b>2019</b> , 99,	16
517	Exceptional magnetic sensitivity of PT-symmetric cavity magnon polaritons. <b>2019</b> , 99,	36
516	Optogenomic Interfaces: Bridging Biological Networks With the Electronic Digital World. <b>2019</b> , 107, 1387-1401	10



515	High-order exceptional points in non-Hermitian Moiré lattices. <b>2019</b> , 14, 1	6
514	Exclusive generation of orbital angular momentum modes in parity-time symmetry fiber gratings. <b>2019</b> , 114, 141103	1
513	Nonparaxial electromagnetic Bragg scattering in periodic media with PT symmetry. <b>2019</b> , 130, 416-427	1
512	Controllable PT phase transition and asymmetric soliton scattering in atomic gases with linear and nonlinear potentials. <b>2019</b> , 99,	8
511	Nonlocal homogenization of PT-symmetric multilayered structures. <b>2019</b> , 99,	5
510	Disorder-induced exceptional points and nodal lines in Dirac superconductors. <b>2019</b> , 99,	20
509	Light-Directed Soft Mass Migration for Micro/Nanophotonics. <b>2019</b> , 7, 1900074	22
508	Sensing with Exceptional Surfaces in Order to Combine Sensitivity with Robustness. <b>2019</b> , 122, 153902	61
507	Extraordinary acoustic scattering in a periodic PT-symmetric zero-index metamaterials waveguide. <b>2019</b> , 125, 58002	6
506	New topological invariants in non-Hermitian systems. <b>2019</b> , 31, 263001	148
505	Giant Goos-Hänchen shift induced by bounded states in optical PT-symmetric bilayer structures. <b>2019</b> , 27, 7857-7867	25
504	Scattering-free pulse propagation through invisible non-Hermitian media. <b>2019</b> , 99,	13
503	Perfectly Absorbing Exceptional Points and Chiral Absorbers. <b>2019</b> , 122, 093901	48
502	Flat band induced by the interplay of synthetic magnetic flux and non-Hermiticity. <b>2019</b> , 99,	12
501	The broken condition and regulation of a non-conjugated PT symmetric waveguide system. <b>2019</b> , 442, 106-109	
500	Photonic Topological States in a Two-Dimensional Gyrotropic Photonic Crystal. <b>2019</b> , 9, 137	5
499	Parity-time symmetry and exceptional points in photonics. <i>Nature Materials</i> , <b>2019</b> , 18, 783-798	27 414
498	Unidirectional light transmission by two-layer nanostructures interacting via optical near-fields. <b>2019</b> , 12, 022007	2

497	Exceptional-point-induced lasing dynamics in a non-Hermitian Su-Schrieffer-Heeger model. <b>2019</b> , 99,	8
496	Interaction effects on the PT-symmetry-breaking transition in atomic gases. <b>2019</b> , 99,	7
495	Restoring robust binary switching operation and exceptional point using long-period grating-assisted parity-time symmetric couplers. <b>2019</b> , 52, 255103	2
494	Distinguishing photon blockade in a PT-symmetric optomechanical system. <b>2019</b> , 99,	34
493	The dawn of non-Hermitian optics. <b>2019</b> , 2,	50
492	Quantum geometric tensor in PT-symmetric quantum mechanics. <b>2019</b> , 99,	15
491	Enhanced sideband responses in a PT-symmetric-like cavity magnomechanical system. <b>2019</b> , 99,	23
490	Arbitrary order exceptional point induced by photonic spin-orbit interaction in coupled resonators. <b>2019</b> , 10, 832	40
489	Robust lasing modes in coupled colloidal quantum dot microdisk pairs using a non-Hermitian exceptional point. <b>2019</b> , 10, 561	17
488	Effects of gain saturation on the quantum properties of light in a non-Hermitian gain-loss coupler. <b>2019</b> , 99,	5
487	Exceptional points and spectral singularities in active epsilon-near-zero plasmonic waveguides. <b>2019</b> , 99,	24
486	Parity-time symmetry in coherent asymmetric double quantum wells. <b>2019</b> , 9, 2607	4
485	Optical-pulse dynamics under quasi-PT-symmetry. <b>2019</b> , 99,	5
484	Manifestation of the spontaneous parity-time symmetry breaking phase transition in hot-electron photodetection based on a tri-layered metamaterial. <b>2019</b> , 8, 495-504	1
483	Active Plasmonic Colloid-to-Film-Coupled Cavities for Tailored Light-Matter Interactions. <b>2019</b> , 123, 6745-6752	6
482	Observation of parity-time symmetry breaking transitions in a dissipative Floquet system of ultracold atoms. <b>2019</b> , 10, 855	155
481	Effective non-Hermitian physics for degenerate ground states of a non-Hermitian Ising model with $\mathcal{RT}$ symmetry. <b>2019</b> , 128, 41001	3
480	Parity-Time Symmetry in Bidirectionally Coupled Semiconductor Lasers. <b>2019</b> , 6, 122	1

479	Controllable high-speed polariton waves in a PT-symmetric lattice. <b>2019</b> , 21, 123008	1
478	2D Solitons in PT-Symmetric Photonic Lattices. <b>2019</b> , 123, 253903	10
477	Time-dependent PT-symmetric quantum mechanics in generic non-Hermitian systems. <b>2019</b> , 100,	13
476	Exactness of the Born approximation and broadband unidirectional invisibility in two dimensions. <b>2019</b> , 100,	3
475	Accessible phases via wave impedance engineering with PT-symmetric metamaterials. <b>2019</b> , 100,	4
474	Tuning the Effective PT Phase of Plasmonic Eigenmodes. <b>2019</b> , 123, 213903	19
473	Extremely Asymmetrical Acoustic Metasurface Mirror at the Exceptional Point. <b>2019</b> , 123, 214302	50
472	Observation of Critical Phenomena in Parity-Time-Symmetric Quantum Dynamics. <b>2019</b> , 123, 230401	55
471	Delayed sudden death of entanglement at exceptional points. <b>2019</b> , 100,	10
470	Entanglement of bright and dark modes in parity-time-symmetric plasmonic nanoantennas. <b>2019</b> , 100,	4
469	Observation of exceptional points in magnonic parity-time symmetry devices. <b>2019</b> , 5, eaax9144	14
468	Low Threshold Optical Bistability in Aperiodic PT-Symmetric Lattices Composited with Fibonacci Sequence Dielectrics and Graphene. <b>2019</b> , 9, 5125	7
467	Parity-Time Symmetry in Non-Hermitian Complex Optical Media. <b>2020</b> , 32, e1903639	29
466	Exceptional points in optics and photonics. <b>2019</b> , 363,	503
465	Dual-band unidirectional reflectionlessness at exceptional points in a plasmonic waveguide system based on near-field coupling between two resonators. <b>2019</b> , 30, 045205	6
464	Spinor solitons and their PT-symmetric offspring. <b>2019</b> , 403, 198-223	6
463	High-order exceptional points in ultracold Bose gases. <b>2019</b> , 99,	27
462	Direction-dependent parity-time phase transition and nonreciprocal amplification with dynamic gain-loss modulation. <b>2019</b> , 99,	22

461	Broadband coherent perfect absorber with PT-symmetric 2D-materials. <b>2019</b> , 401, 139-148	6
460	Localization and Steering of Light in One-Dimensional Parity-Time Symmetric Photonic Lattices. <b>2019</b> , 36, 014201	
459	Electrically Injected Parity Time Symmetric Single Transverse Mode Lasers. <b>2019</b> , 13, 1800154	9
458	Unidirectional reflectionlessness in a non-Hermitian quantum system of surface plasmon coupled to two plasmonic cavities. <b>2019</b> , 18, 1	10
457	Electrically Pumped Microring Parity-Time-Symmetric Lasers. <b>2020</b> , 108, 827-836	7
456	Controlled optical bistability in parity-time-symmetric coupled micro-cavities: Possibility of all-optical switching. <b>2020</b> , 117, 113780	5
455	Loss in acoustic metasurfaces: a blessing in disguise. <b>2020</b> , 10, 32-41	11
454	Tunable nonreciprocal reflection and its stability in a non-PT-symmetric plasmonic resonators coupled waveguide systems. <b>2020</b> , 13, 012009	30
453	Tunable exceptional point and unidirectional zero reflection of a metabeam using shunted piezos. <b>2020</b> , 53, 095503	0
452	Rapid Bending Origami in Micro/Nanoscale toward a Versatile 3D Metasurface. <b>2020</b> , 14, 1900179	8
451	Anti- $\mathcal{PT}$ symmetry for a non-Hermitian Hamiltonian. <b>2020</b> , 2020,	0
450	Modal Purcell factor in PT-symmetric waveguides. <b>2020</b> , 102,	3
449	Tunability and switching of Fano and Lorentz resonances in PTX-symmetric electronic systems. <b>2020</b> , 117, 031101	7
448	Single-sided acoustic beam splitting based on parity-time symmetry. <b>2020</b> , 102,	10
447	PT-Symmetric Topological Edge-Gain Effect. <b>2020</b> , 125, 033603	14
446	Study on asymmetric diffraction of acoustic parity-time-symmetric gratings using rigorous coupled-wave analysis. <b>2020</b> , 148, 33	3
445	Lasing in para-Fermi class-B microring resonator arrays. <b>2020</b> , 102,	0
444	Terahertz Perfect Absorber Based on Asymmetric Open-Loop Cross-Dipole Structure. <b>2020</b> , 37, 067801	5

443	Observation of topological transport quantization by dissipation in fast Thouless pumps. <b>2020</b> , 11, 3758	13
442	Interaction-induced dynamical PT-symmetry breaking in dissipative Fermi-Hubbard models. <b>2020</b> , 102,	5
441	Antiparity-Time Symmetry in Passive Nanophotonics. <b>2020</b> , 7, 3035-3041	16
440	Polarization-indeparentant multi-band unidirectional reflectionless propagation in non-Hermitian metamaterial. <b>2020</b> , 34, 2050295	
439	Hamiltonian Hopping for Efficient Chiral Mode Switching in Encircling Exceptional Points. <b>2020</b> , 125, 187403	11
438	Restricted Hilbert Transform for Non-Hermitian Management of Fields. <b>2020</b> , 14,	1
437	Shape-preserving beam transmission through non-Hermitian disordered lattices. <b>2020</b> , 102,	7
436	Equal-intensity waves in non-Hermitian media. <b>2020</b> , 102, 032203	3
435	Floquet topological phase in a generalized PT-symmetric lattice. <b>2020</b> , 102,	2
434	Spectra of PT-symmetric fractional Schrödinger equations with multiple quantum wells. <b>2020</b> , 19, 1416-1425	1
433	Torque-induced dispersive readout in a weakly coupled hybrid system. <b>2020</b> , 102,	1
432	Exceptional points and dynamics of a non-Hermitian two-level system without PT symmetry. <b>2020</b> , 131, 34001	3
431	Magnetoplasmonic structures with broken spatial symmetry for light control at normal incidence. <b>2020</b> , 102,	4
430	Parity-time Symmetry Based on Time Modulation. <b>2020</b> , 14,	11
429	Direct observation of time-asymmetric breakdown of the standard adiabaticity around an exceptional point. <b>2020</b> , 3,	2
428	Coexistence of a new type of bound state in the continuum and a lasing threshold mode induced by PT symmetry. <b>2020</b> , 6, eabc1160	18
427	Rotation-time symmetry in bosonic systems and the existence of exceptional points in the absence of [Formula: see text] symmetry. <b>2020</b> , 10, 19906	1
426	Current Modulation of Plasmonic Nanolasers by Breaking Reciprocity on Hybrid Graphene-Insulator-Metal Platforms. <b>2020</b> , 7, 2001823	8

425	Loss-Assisted Metasurface at an Exceptional Point. <b>2020</b> , 7, 3321-3327	8
424	Experimental Investigation of Quantum PT-Enhanced Sensor. <b>2020</b> , 125, 240506	10
423	Phase-controlled Optical PT symmetry and asymmetric light diffraction in one- and two-dimensional optical lattices. <b>2020</b> , 135, 1	2
422	Theory of reflectionless scattering modes. <b>2020</b> , 102,	13
421	Chiral State Conversion in a Levitated Micromechanical Oscillator with In Situ Control of Parameter Loops. <b>2020</b> , 37, 100301	0
420	$\mathcal{PT}$ -symmetric quantum field theory. <b>2020</b> , 1586, 012004	0
419	Exact scattering states in one-dimensional Hermitian and non-Hermitian potentials. <b>2020</b> , 29, 090301	
418	Flexible PT-Symmetric Optical Metasurfaces. <b>2020</b> , 13,	3
417	Virtual Parity-Time Symmetry. <b>2020</b> , 124, 193901	23
416	Stable solitons in a nearly PT-symmetric ferromagnet with spin-transfer torque. <b>2020</b> , 409, 132481	2
415	Gain-induced large optical torque in optical twist settings. <b>2020</b> , 29, 084201	1
414	PT-symmetric chiral metamaterials: Asymmetric effects and PT-phase control. <b>2020</b> , 101,	4
413	Broadband unidirectional near-zero reflection induced by logical combination of parity-time symmetric photonic crystal. <b>2020</b> , 474, 126123	0
412	Phase transition of non-Hermitian topological edge states in microwave regime. <b>2020</b> , 116, 211104	5
411	High-order exceptional points in supersymmetric arrays. <b>2020</b> , 101,	15
410	Many-body approach to non-Hermitian physics in fermionic systems. <b>2020</b> , 101,	25
409	Scattering singularities of optical waveguides under complex modulation. <b>2020</b> , 101,	3
408	Pseudo-Invariant Approach for a Particle in a Complex Time-Dependent Linear Potential. <b>2020</b> , 59, 1490-1503	6

407	Revealing the missing dimension at an exceptional point. <b>2020</b> , 16, 571-578	39
406	$\mathcal{P}\mathcal{T}$ -symmetry berry phases, topology and $\mathcal{P}\mathcal{T}$ -symmetry breaking. <b>2020</b> , 72, 045102	
405	Acoustic Multifunctional Logic Gates and Amplifier Based on Passive Parity-Time Symmetry. <b>2020</b> , 13,	5
404	Asymmetric propagation of solitons in nonlinear media with gradual nonlocality. <b>2020</b> , 22, 065501	
403	Chip-Based Optical Isolator and Nonreciprocal Parity-Time Symmetry Induced by Stimulated Brillouin Scattering. <b>2020</b> , 14, 1900278	14
402	Extraordinary propagation characteristics of electromagnetic waves in one-dimensional anti-PT-symmetric ring optical waveguide network. <b>2020</b> , 29, 064201	0
401	Robust Scattered Fields from Adiabatically Driven Targets around Exceptional Points. <b>2020</b> , 124, 133905	4
400	Singular PT-symmetry broken point with infinite transmittance and reflectance— classical analytical demonstration. <b>2020</b> , 1	1
399	Coherent confinement and unidirectional dynamics of a wave packet induced by a non-Hermitian Su-Schrieffer-Heeger segment. <b>2020</b> , 101,	1
398	New families of non-parity-time-symmetric complex potentials with all-real spectra. <b>2020</b> , 61, 063506	3
397	PT-Symmetric Absorber-Laser Enables Electromagnetic Sensors with Unprecedented Sensitivity. <b>2020</b> , 7, 2080-2088	21
396	Organic halogen-bonded co-crystals for optoelectronic applications. <b>2020</b> , 63, 1613-1630	13
395	Scattering Properties of PT-Symmetric Chiral Metamaterials. <b>2020</b> , 7, 43	2
394	Bulk-boundary correspondence in non-Hermitian Hopf-link exceptional line semimetals. <b>2020</b> , 102,	4
393	Dark Soliton of Polariton Condensates under Nonresonant $\mathcal{P}\mathcal{T}$ -Symmetric Pumping. <b>2020</b> , 37, 040502	3
392	Bidirectional acoustic negative refraction based on a pair of metasurfaces with both local and global PT-symmetries. <b>2020</b> , 10, 10794	3
391	Synthetic Anti-PT Symmetry in a Single Microcavity. <b>2020</b> , 124, 053901	40
390	Hybrid exceptional point created from type-III Dirac point. <b>2020</b> , 101,	17

389	Semilocalization transition driven by a single asymmetrical tunneling. <b>2020</b> , 101,	0
388	Tunable Nonreciprocal Quantum Transport through a Dissipative Aharonov-Bohm Ring in Ultracold Atoms. <b>2020</b> , 124, 070402	37
387	Prethermalization and Nonreciprocal Phonon Transport in a Levitated Optomechanical Array. <b>2020</b> , 3, 1900099	5
386	Non-Hermitian Floquet topological superconductors with multiple Majorana edge modes. <b>2020</b> , 101,	22
385	Electromagnetically induced transparency at a chiral exceptional point. <b>2020</b> , 16, 334-340	65
384	Chirality-enabled unidirectional light emission and nanoparticle detection in parity-time-symmetric microcavity. <b>2020</b> , 101,	3
383	Non-Hermitian dynamic strings and anomalous topological degeneracy on a non-Hermitian toric-code model with parity-time symmetry. <b>2020</b> , 101,	15
382	Parity-time symmetry based on resonant optical tunneling effect for biosensing. <b>2020</b> , 475, 125815	2
381	Multifaceted nonlinear dynamics in (mathcal {PT})-symmetric coupled LiĀard oscillators. <b>2020</b> , 100, 1629-1640	3
380	Generalized Berry phase for a bosonic Bogoliubov system with exceptional points. <b>2020</b> , 101,	7
379	. <b>2020</b> , 108, 628-654	18
378	Unambiguous scattering matrix for non-Hermitian systems. <b>2020</b> , 101,	7
377	Manipulating EIT and EIA Effects by Tuning the Gain Assisted Dark Mode. <b>2021</b> , 27, 1-10	1
376	Carbon Related Materials. <b>2021</b> ,	2
375	Topology and broken Hermiticity. <b>2021</b> , 17, 9-13	8
374	Non-Hermitian plasmonic antennas and waveguides: Superradiant and dark states. <b>2021</b> , 43, 100879	
373	Pseudo-Hermitian Systems Constructed by Transformation Optics with Robustly Balanced Loss and Gain. <b>2021</b> , 2, 2000081	7
372	Momentum-space imaging spectroscopy for the study of nanophotonic materials. <b>2021</b> , 66, 824-838	5



371	Critical couplings in topological-insulator waveguide-resonator systems observed in elastic waves. <b>2021</b> , 8, nwaa262	9
370	Topological mode switching in modulated structures with dynamic encircling of an exceptional point. <b>2021</b> , 477, 20200766	2
369	Non-Hermitian Physics and Engineering in Silicon Photonics. <b>2021</b> , 323-364	1
368	Enhanced Radio-Frequency Sensors Based on a Self-Dual Emitter-Absorber. <b>2021</b> , 15,	7
367	Compact asymmetric sound absorber at the exceptional point. <b>2021</b> , 64, 1	7
366	Liquid-crystal-based topological photonics. <b>2021</b> , 118,	6
365	Topological phases with higher winding numbers in nonreciprocal one-dimensional topoelectrical circuits. <b>2021</b> , 103,	1
364	Tunable unidirectional reflectionless propagation in non-Hermitian graphene plasmonic waveguide system. <b>2021</b> , 31, 026204	1
363	Quantum Engineering With Hybrid Magnonic Systems and Materials (Invited Paper). <b>2021</b> , 2, 1-36	13
362	Extraordinary wave modes in purely imaginary metamaterials beyond the critical angle. <b>2021</b> , 29, 2874-2883	0
361	Non-Adiabatic Transitions in Parabolic and Super-Parabolic PT-Symmetric Non-Hermitian Systems in 1D Optical Waveguides. <b>2021</b> , 533, 2000349	0
360	The Bipartite and Tripartite Entanglement in PT-Symmetric System. <b>2021</b> , 13, 203	0
359	Scattering theory for stationary materials with PT symmetry. <b>2021</b> , 103,	5
358	High-order exceptional point based optical sensor. <b>2021</b> , 29, 6080-6091	4
357	Enhanced cross-Kerr nonlinearity induced PT -symmetry in optical lattices. <b>2021</b> , 23, 025401	1
356	A plasmonic waveguide end-coupled to two plasmonic cavities in a non-Hermitian quantum system for dual-band unidirectional reflectionlessness. <b>2021</b> , 73, 035102	1
355	Manually tunable ventilated metamaterial absorbers. <b>2021</b> , 118, 053504	13
354	Stable Bloch oscillations and Landau-Zener tunneling in a non-Hermitian PT-symmetric flat-band lattice. <b>2021</b> , 103,	1

353	Symmetry-Protected Scattering in Non-Hermitian Linear Systems. <b>2021</b> , 38, 024202	14
352	Multi-band unidirectional reflectionlessness of single photons via intermode backscattering. <b>2021</b> , 20, 1	
351	Controlling wave fronts with tunable disordered non-Hermitian multilayers. <b>2021</b> , 11, 4790	2
350	Observing exceptional point degeneracy of radiation with electrically pumped photonic crystal coupled-nanocavity lasers. <b>2021</b> , 8, 184	6
349	Exceptional topology of non-Hermitian systems. <b>2021</b> , 93,	121
348	Peculiarities of light pulse propagation in quasi-PT symmetric periodic structures. <b>2021</b> , 38, 990	1
347	Controlled unidirectional reflection in cold atoms via the spatial Kramers-Kronig relation. <b>2021</b> , 29, 5890-5900	4
346	Exceptional points in FabryPerot cavities with spatially distributed gain and loss. <b>2021</b> , 38, 1205	0
345	Non-Hermitian topological phases and exceptional lines in topoelectrical circuits. <b>2021</b> , 23, 033014	1
344	Transmission through a one-dimensional photonic lattice modulated by the side-coupled PT-symmetric non-Hermitian SuSchriefferHeeger chain. <b>2021</b> , 38, 1331	
343	Anti-parity-time symmetric phase transition in diffusive systems*. <b>2021</b> , 30, 030505	3
342	Enhanced Sensitivity at Magnetic High-Order Exceptional Points and Topological Energy Transfer in Magnonic Planar Waveguides. <b>2021</b> , 15,	1
341	PT-symmetric Helmholtz resonator dipoles for sound directivity. <b>2021</b> , 103,	3
340	Beyond templating: Electronic structure impacts of aromatic cations in organic/inorganic antimony chlorides. <b>2021</b> , 647, 857-866	
339	Non-Hermitian Skin Effect in a Non-Hermitian Electrical Circuit. <b>2021</b> , 2021, 5608038	6
338	Chirality of exceptional points in bianisotropic metasurfaces. <b>2021</b> , 29, 11582-11590	3
337	Nonreciprocal transmission in a parity-time symmetry system with two types of defects. <b>2021</b> , 76, 507-515	0
336	Solitons in PT symmetric Manakov system. <b>2021</b> , 230, 166223	2

335	Transport and spectral features in non-Hermitian open systems. <b>2021</b> , 3,	8
334	Gas sensing near exceptional points. <b>2021</b> , 54, 254001	2
333	Homotopical characterization of non-Hermitian band structures. <b>2021</b> , 103,	3
332	Nonunitary Scaling Theory of Non-Hermitian Localization. <b>2021</b> , 126, 166801	7
331	Chirped pulse propagation in a quasi-PT-symmetric medium with a broadband exceptional-point condition. <b>2021</b> , 29, 14548-14560	1
330	Quantum deleting and cloning in a pseudo-unitary system. <b>2021</b> , 16, 1	2
329	Robust Photon Transmission in Nonlinear Parity-Time-Symmetric Cavities. <b>2021</b> , 533, 2000626	
328	Unidirectional transmission in one dimensional photonic crystal composed of PT symmetric and magneto-optical materials. <b>2021</b> , 114, 110771	1
327	Spontaneous PT-symmetry breaking in lasing dynamics. <b>2021</b> , 4,	3
326	Superdirective leaky radiation from a PT-synthetic metachannel. <b>2021</b> , 29, 12330-12343	0
325	Dynamically Encircling an Exceptional Point in a Real Quantum System. <b>2021</b> , 126, 170506	12
324	Unidirectional invisibility of an acoustic multilayered medium with parity-time-symmetric impedance modulation. <b>2021</b> , 129, 175106	3
323	Gain-saturation-induced self-sustained oscillations in non-Hermitian optomechanics. <b>2021</b> , 103,	1
322	Nonlinear-dissipation-induced nonreciprocal exceptional points. <b>2021</b> , 29, 17613-17627	2
321	Unidirectional reflectionless propagation of near-infrared light in resonator-assisted non-parity-time symmetric waveguides. <b>2021</b> , 23, 053015	4
320	Inverse-design of non-Hermitian potentials for on-demand asymmetric reflectivity. <b>2021</b> , 29, 17001-17010	0
319	Phase diagram and quantum criticality of a non-Hermitian model with a complex transverse field. <b>2021</b> , 33,	0
318	Pseudochirality at exceptional rings of optical metasurfaces. <b>2021</b> , 3,	3

317	Exceptional Points in Flat Optics: A Non-Hermitian Line-Wave Scenario. <b>2021</b> , 15,	0
316	Room-temperature polaritonic non-Hermitian system with single microcavity. <b>2021</b> , 15, 582-587	0
315	Floquet $\Gamma$ -mode engineering in non-Hermitian waveguide lattices. <b>2021</b> , 3,	2
314	Talbot effects induced by gain-loss modulated optical lattices in a coherent atomic medium. <b>2021</b> , 103,	2
313	Dual-frequency unidirectional reflectionless propagation in a non-Hermitian graphene plasmonic waveguide-cavity coupling system. <b>2021</b> , 60, 5610-5614	
312	Non-Hermitian topological phases and dynamical quantum phase transitions: a generic connection. <b>2021</b> , 23, 063041	2
311	( $\mathcal{P}$ ) $\mathcal{T}$ -symmetry in Compact Phase Space for a Linear Hamiltonian. <b>2021</b> , 60, 3286-3305	
310	Gain-Free Parity-Time Symmetry for Evanescent Fields. <b>2021</b> , 127, 014301	1
309	Exceptional behaviour without exceptional effort. <b>2021</b> , 15, 556-557	
308	Coupling-induced nonunitary and unitary scattering in anti-PT-symmetric non-Hermitian systems. <b>2021</b> , 104,	0
307	Parity-time Symmetric gratings in 1550 nm Distributed-Feedback lasers diodes: insight on device design rules.	3
306	Anomalous-order exceptional point and non-Markovian Purcell effect at threshold in one-dimensional continuum systems. <b>2021</b> , 3,	4
305	Switching between singular points and exceptional-point-enhanced sensing in non-Hermitian photonic structures. <b>2021</b> ,	
304	Configurable Phase Transitions in a Topological Thermal Material. <b>2021</b> , 127, 105901	7
303	Optical Energy-Difference Conservation in a Synthetic Anti-PT-Symmetric System. <b>2021</b> , 127, 083601	1
302	Observation of Non-Hermitian Topology with Nonunitary Dynamics of Solid-State Spins. <b>2021</b> , 127, 090501	5
301	Observation of higher-order non-Hermitian skin effect. <b>2021</b> , 12, 5377	9
300	Anderson localization induced by complex potential. <b>2021</b> , 5, 095011	0

299	Giant and tunable Goos-Hänchen shift with a high reflectance induced by PT-symmetry in atomic vapor. <b>2021</b> , 29, 30436-30448	0
298	Singular characteristics of one-dimensional Fibonacci optical waveguide networks composed of PT-symmetric elements. <b>2021</b> , 114992	1
297	Design of a mid-infrared single-mode laser based on parity-time symmetry breaking in air-clad hollow-core ZBLAN fiber micro-resonator.	
296	An attractor dynamics in a non-Hermitian two-level system.	0
295	Dielectric super-absorbing metasurfaces via PT symmetry breaking. <b>2021</b> , 8, 1290	10
294	Photonic spin Hall effect in a parity-time symmetric cavity and its sensing application. <b>2021</b> , 498, 127247	1
293	Parity-time symmetry and coherent perfect absorption in a cooperative atom response. <b>2021</b> , 10, 1357-1366	0
292	A Nanoplasmonic Branchline Coupler for Subwavelength Wireless Networks. <b>2021</b> , 20, 662-668	1
291	Sublattice Signatures of Transitions in a $(\mathscr{PT})$ -Symmetric Dimer Lattice. <b>2016</b> , 249-261	2
290	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice.	1
289	Experimental investigation of the no-signalling principle in parity-time symmetric theory using an open quantum system.	1
288	Non-reciprocal transmission of microwave acoustic waves in nonlinear parity-time symmetric resonators. <b>2020</b> , 3, 267-272	18
287	Non-Hermitian physics. <b>2020</b> , 69, 249-435	110
286	Comparison of Different Approaches of Finding the Positive Definite Metric in Pseudo-Hermitian Theories. <b>2013</b> , 59, 533-539	7
285	Solitons in $\mathscr{PT}$ -symmetric ladders of optical waveguides. <b>2017</b> , 19, 113032	15
284	The Nielsen-Ninomiya theorem, $\mathscr{PT}$ -invariant non-Hermiticity and single 8-shaped Dirac cone. <b>2017</b> , 50, 385001	11
283	Spectral and transport properties of a $\mathscr{PT}$ -symmetric tight-binding chain with gain and loss. <b>2020</b> , 53, 445308	4
282	Synthetic exceptional points and unidirectional zero reflection in non-Hermitian acoustic systems. <b>2018</b> , 2,	27

281	Photonic non-Hermitian skin effect and non-Bloch bulk-boundary correspondence. <b>2020</b> , 2,	29
280	Protection of parity-time symmetry in topological many-body systems: Non-Hermitian toric code and fracton models. <b>2020</b> , 2,	9
279	Real spectra in non-Hermitian topological insulators. <b>2020</b> , 2,	5
278	Topological semimetal phase with exceptional points in one-dimensional non-Hermitian systems. <b>2020</b> , 2,	14
277	Emergent PT symmetry in a double-quantum-dot circuit QED setup. <b>2020</b> , 2,	7
276	Single split gap resonator based terahertz metamaterials for refractive index sensing. <b>2018</b> ,	3
275	Non-hermitian dynamics in delay coupled semiconductor lasers. <b>2019</b> ,	0
274	Anti-parity-time symmetry in diffusive systems. <b>2019</b> , 364, 170-173	116
273	Anomalies in light scattering. <b>2019</b> , 11, 892	76
272	Quantum description of a PT-symmetric nonlinear directional coupler. <b>2019</b> , 36, 855	3
271	Optical bistability of graphene embedded in parity-time-symmetric photonic lattices. <b>2019</b> , 36, 1731	29
270	Symmetry-engineered waveguide dispersion in $\mathcal{P}\mathcal{T}$ symmetric photonic crystal waveguides. <b>2020</b> , 37, 168	2
269	Parity-time symmetry in periodically curved optical waveguides. <b>2018</b> , 26, 27141-27152	5
268	Intrinsic link of asymmetric reflection and diffraction in non-Hermitian gratings. <b>2018</b> , 26, 33818-33829	9
267	Transport properties of the non-Hermitian T-shaped quantum router. <b>2019</b> , 27, 13694-13705	2
266	Enhanced sensitivity at high-order exceptional points in a passive wireless sensing system. <b>2019</b> , 27, 27562-27572	16
265	Highly-dispersive unidirectional reflectionless phenomenon based on high-order plasmon resonance in metamaterials. <b>2019</b> , 27, 30589-30596	3
264	Non-PT-symmetric two-layer cylindrical waveguide for exceptional-point-enhanced optical devices. <b>2019</b> , 27, 37494-37507	8

263	Exceptional point-based plasmonic metasurfaces for vortex beam generation. <b>2020</b> , 28, 503-510	5
262	Coherent control of nonreciprocal reflections with spatial modulation coupling in parity-time symmetric atomic lattice. <b>2020</b> , 28, 1701-1713	6
261	Exceptional cones in 4D parameter space. <b>2020</b> , 28, 1758-1770	9
260	Investigation of $\pi$ - and $-\pi$ -antisymmetry in two dimensional (2D) optical lattices. <b>2020</b> , 28, 8003-8015	11
259	Manipulating the critical gain level of spectral singularity in active hybridized metamaterials. <b>2020</b> , 28, 17966-17978	1
258	Manipulating the scattering pattern with non-Hermitian particle arrays. <b>2020</b> , 28, 19492-19507	3
257	Non-Hermitian multimode interference. <b>2020</b> , 45, 1962-1965	2
256	Non-Hermitian photonics for coherent perfect absorption, invisibility, and lasing with different orbital angular momenta. <b>2020</b> , 45, 6635-6638	3
255	PT-symmetric mode-locking. <b>2016</b> , 41, 4518-4521	17
254	Reflectionless and invisible potentials in photonic lattices. <b>2017</b> , 42, 3229-3232	8
253	Classes of non-parity-time-symmetric optical potentials with exceptional-point-free phase transitions. <b>2017</b> , 42, 4067-4070	22
252	Quantum interference and exceptional points. <b>2018</b> , 43, 5371-5374	7
251	Tailoring PT-symmetric soliton switch. <b>2019</b> , 44, 663-666	12
250	Non-Hermitian heterostructure for two-parameter sensing. <b>2019</b> , 44, 1626-1629	5
249	Non-Hermitian spectral changes in the scattering of partially coherent radiation by periodic structures. <b>2019</b> , 44, 4363-4366	7
248	Unidirectional invisibility and enhanced reflection of short pulses in quasi-PT-symmetric media. <b>2019</b> , 44, 5667-5670	6
247	Scattering-free channels of invisibility across non-Hermitian media. <b>2020</b> , 7, 619	8
246	Experimental realization of continuous-time quantum walks on directed graphs and their application in PageRank. <b>2020</b> , 7, 1524	4

245	On-chip nanophotonics and future challenges. <b>2020</b> , 9, 3733-3753	40
244	Non-Hermitian and topological photonics: optics at an exceptional point. <b>2020</b> , 10, 403-423	36
243	Shortcuts to Adiabaticity in Driven Open Quantum Systems: Balanced Gain and Loss and Non-Markovian Evolution. 4, 336	19
242	Exceptional Points in Non-Hermitian Photonic Crystals Incorporated With a Defect. <b>2020</b> , 10, 823	9
241	PT Symmetry Induced Rings of Lasing Threshold Modes Embedded with Discrete Bound States in the Continuum. <b>2021</b> , 38, 084203	2
240	Scaling rule for the critical non-Hermitian skin effect. <b>2021</b> , 104,	3
239	Topological physics of non-Hermitian optics and photonics: a review.	2
238	Anti-parity-time symmetry enabled on-chip chiral polarizer.	2
237	Giant Goos-Hänchen shifts controlled by exceptional points in PT-symmetric periodic multilayered structure coated with graphene.	3
236	Experimental demonstration of coherence flow in PT- and anti-PT-symmetric systems. <b>2021</b> , 4,	1
235	PT-Symmetry and on-Chip Optical Nonreciprocity in Active-Passive-Coupled Microtoroids. <b>2014</b> ,	
234	PT symmetry in optics. <b>2014</b> ,	
233	The influence of different driving patterns on parity time-reversal symmetry. <b>2014</b> , 63, 060206	
232	Design of Asymmetrical Silicon Waveguide Grating by Introducing the Scattering Loss. <b>2015</b> ,	
231	Localized Parity-Time Symmetric Directionally Invisible Scatterers and Cloaks. <b>2015</b> ,	
230	Unidirectional Coupling with Two Matched Dielectric and Metal Long-Period Gratings along a Polymer Waveguide. <b>2015</b> ,	
229	Robust Statistical Parity-Time Symmetric Lasers in Fiber Cavities. <b>2016</b> ,	0
228	PT-Symmetric Laser and Anti-Laser. <b>2016</b> ,	



227	Asymmetric Light-Light Interaction by Non-Hermitian Photonics. <b>2016,</b>	
226	Photons Get Slippery. 9,	
225	Non-PT-symmetric plasmonic waveguide-cavity systems: unidirectional reflectionlessness and broadband near total light absorption. <b>2017,</b>	
224	Parity-Time Symmetric Laser and Absorber. <b>2018,</b>	1
223	Using phase-change materials to switch the direction of reflectionless light propagation in non-PT-symmetric structures. <b>2018,</b>	1
222	Asymmetric electromagnetic wave propagation supported by magnetic metamaterials and graded photonic crystals. <b>2018,</b>	
221	Single-transverse-mode broadband InAs quantum dot superluminescent light emitting diodes by parity-time symmetry. <b>2018,</b> 26, 30588-30595	0
220	Realization of Point-of-Darkness and Extreme Phase Singularity in Nanophotonic Cavities. <b>2019,</b> 29-44	
219	Research advances in acoustic metamaterials. <b>2019,</b> 68, 194301	6
218	Non-Hermitian-enhanced photonic zero mode. <b>2019,</b>	
217	Nonreciprocal parity-time phase in magnetized waveguides. <b>2019,</b> 27, 27385-27395	
216	The spring oscillator model degenerated into the coupled-mode theory by using secular perturbation theory. <b>2020,</b> 69, 074501	1
215	Enhanced modulation characteristics in broken symmetric coupled microring lasers. <b>2020,</b> 28, 19608-19616	2
214	Theoretical investigation of a controlled unidirectional reflectionlessness by applying external voltage in an electro-optical plasmonic waveguide system. <b>2020,</b> 28, 24069-24078	2
213	Parity-time symmetry and asymmetric diffraction of light in four-level triple quantum wells. <b>2020,</b>	1
212	Inseparability in parity-time-symmetric microcavities: power spectrum. 1	
211	Quasinormal Modes, Local Density of States, and Classical Purcell Factors for Coupled Loss-Gain Resonators. <b>2021,</b> 11,	4
210	Quantum Critical Phenomena. <b>2020,</b> 29-85	

- 209 Connecting Floquet Crystals and Time Crystals. **2020**,
- 208 Switching between singular points in non-PT-symmetric multilayer structures using phase-change materials. **2021**, 29, 454 0
- 207 One-Way Zero Reflection in an Insulator-Metal-Insulator Structure Using the Transfer Matrix Method. **2021**, 8, 8
- 206 Functional Metamaterial Devices Enabled by Microsystems. **2020**,
- 205 Electric steering of spin excitation in nanostructured synthetic antiferromagnet. **2020**, 117, 242406 0
- 204 Reciprocal waveguide coupled mode theory. **2020**, 69, 154206 1
- 203 Out-of-Equilibrium Quantum Dynamics. **2020**, 87-143
- 202 Scalable Nanofabrication of Plasmonic Nanostructures for Trace-Amount Molecular Sensing Based on Surface-Enhanced Raman Spectroscopy (SERS). **2020**, 71-92
- 201 Topological compensation of Rayleigh scattering induced reflection in a single mode waveguide. **2020**, 0
- 200 Multiple exceptional points in bulk parity-time symmetric optical media. **2020**, 3, 305
- 199 High-order PT symmetry-based optical sensor. **2020**, 0
- 198 Stability of Active Photonic Metasurface Pairs. 1
- 197 Electromagnetically Induced Grating and Parity-time Symmetry in Coupled Quantum Wells. **2021**, 74, 440-440 0
- 196 Efficient nonreciprocal mode transitions in spatiotemporally modulated acoustic metamaterials. **2021**, 7, eabj1198 6
- 195 Electromagnetic propagation characteristics of one-dimensional photonic crystals with metal layers in quasi-parity-time (PT)-symmetric system. **2020**, 75, 665-670 0
- 194 Energy Stored in a Slab Covered by Graphene Sheets. **2021**, 71-89
- 193 Hybrid parity-time modulation phase and geometric phase in metasurfaces. **2020**, 28, 28896-28905 1
- 192 Spectral singularities and asymmetric light scattering in PT-symmetric 2D nanoantenna arrays. **2020**, 45, 5185-5188 2

191	Dark soliton steering in PT-symmetric couplers with third-order and intermodal dispersions. <b>2020</b> , 37, 3443	1
190	Active controlled dual-band unidirectional reflectionlessness by classical driving field in non-Hermitian quantum system. <b>2020</b> , 5, 045018	1
189	Resonant-amplified and invisible Bragg scattering based on spin coalescing modes. <b>2020</b> , 102,	0
188	An introductory review on resource theories of generalized nonclassical light. <b>2021</b> , 2038, 012008	1
187	Optical meta-waveguides for integrated photonics and beyond. <b>2021</b> , 10, 235	32
186	Mode degeneracy and enhanced sensitivity in electrically injected PT-symmetric semiconductor laser with a quasi-high-order exceptional point. <b>2021</b> , 14, 122005	0
185	Dual-frequency unidirectional reflectionlessness in a non-Hermitian quantum system of two different energy-level quantum dots coupled to a plasmonic waveguide. <b>2021</b> , 127, 1	
184	Anti- $\mathcal{PT}$ -symmetric Kerr gyroscope.	1
183	Transient growth and dissipative exceptional points.. <b>2021</b> , 104, 054218	1
182	A Note on the Differential Geometry Concepts in Quantum Evolutional Systems (II): Vielbein, Spin-Affine Connection, Spinors and Torsion. <b>2021</b> , 11, 126-178	
181	Oblique propagation of the squeezed states of s(p)-polarized light through non-Hermitian multilayered structures.. <b>2022</b> , 30, 3553-3565	1
180	Scattering of light by a parity-time-symmetric dipole beyond the first Born approximation. <b>2021</b> , 104,	2
179	Multiband topological states in non-Hermitian photonic crystals.. <b>2022</b> , 47, 437-440	1
178	Nonlinear Conical Diffraction in Fractional Dimensions with a PT-Symmetric Optical Lattice.	
177	PT-symmetric Acoustic System Constructed by Piezoelectric Composite Plates with Active External Circuits.	0
176	Imaginary couplings in non-Hermitian coupled-mode theory: Effects on exceptional points of optical resonators. <b>2022</b> , 105,	1
175	Parity-time symmetry in monolithically integrated graphene-assisted microresonators.. <b>2022</b> , 30, 2112-2121	0
174	Photonic quantum simulations of coupled PT -symmetric Hamiltonians. <b>2022</b> , 4,	0

173	Unidirectional Invisibility in PT-Symmetric Cantor Photonic Crystals. <b>2022</b> , 12, 199	0
172	Unidirectional amplification with acoustic non-Hermitian space-time varying metamaterial. <b>2022</b> , 5,	2
171	Stable electromagnetic interactions with effective media of active multilayers. <b>2022</b> , 105,	1
170	Optimized steering: Quantum state engineering and exceptional points. <b>2022</b> , 105,	2
169	Topological edge states at singular points in non-Hermitian plasmonic systems.	1
168	Directional coupling with parity-time symmetric Bragg gratings.. <b>2022</b> , 30, 5167-5176	
167	Self-Stabilization of Light Sails by Damped Internal Degrees of Freedom. <b>2022</b> , 17,	0
166	Topological optomechanical amplifier in synthetic PT $\mathcal{PT}$ -symmetry. <b>2022</b> ,	1
165	Design and experimental demonstration of effective acoustic gain medium for PT-symmetric refractive index. <b>2022</b> , 120, 063503	0
164	Observation of Transient Parity-Time Symmetry in Electronic Systems.. <b>2022</b> , 128, 065701	5
163	Quasi-Parity-Time symmetric dynamics in a periodically driven two-level non-Hermitian system. <b>2022</b> ,	
162	Epsilon-Near-Zero Plasmonic Waveguides for Enhanced Coherent Optical Effects. <b>2022</b> , 57-87	
161	Quasi-parity-time symmetric dynamics in periodically driven two-level non-Hermitian system. <b>2022</b> , 71, 074207	0
160	Multifrequency superscattering driven by symmetry-reduced resonators. <b>2022</b> , 2172, 012002	
159	Vortex radiation from a single emitter in a chiral plasmonic nanocavity. <b>2022</b> ,	1
158	Negative Gilbert damping. <b>2022</b> , 105,	1
157	Classes of Balanced Gain-and-Loss Waveguides as Non-Hermitian Potential Hierarchies. <b>2022</b> , 14, 432	0
156	?????????????????. <b>2022</b> ,	

- 155 Nonreciprocal transparency in asymmetric gyrotropic trimers. **2022**, 4,
- 154 Noncentrosymmetric far-zone spectral density induced by light scattering with random media having parity-time symmetry. **2022**, 105, 1
- 153 Unitary Scattering Protected by Pseudo-Hermiticity. **2022**, 39, 037302 0
- 152 Surface plasmon polaritons in optical lattices with  $\mathcal{P}\mathcal{T}$ -symmetry and  $\mathcal{P}\mathcal{T}$ -antisymmetry. **2022**, 137, 1 0
- 151 Superhybrid Mode-Enhanced Optical Torques on Mie-Resonant Particles.. **2022**, 4
- 150 Dissipative Floquet dynamical quantum phase transition. **2022**, 105, 1
- 149 A tale of two kinds of exceptional point in a hydrogen molecule.. **2022**,
- 148 Experimental Demonstration of the Non-Hermitian Radio Frequency Metasurface with Polarization-Dependent Unidirectional Reflectionless Propagation. 2200019 0
- 147 Dual-band unidirectional reflectionless phenomenon based on high-order plasmon resonators in plasmonic waveguide system.
- 146 Quasinormal Mode Theory of Chiral Power Flow from Linearly Polarized Dipole Emitters Coupled to Index-Modulated Microring Resonators Close to an Exceptional Point. 1
- 145 Asymmetric Generation of Acoustic Vortex Using Dual-Layer Metasurfaces.. **2022**, 128, 104501 5
- 144 Fully integrated parity-time-symmetric electronics.. **2022**, 17, 262-268 2
- 143 Unidirectional weak visibility in bandgap and singular scattering in conduction band of one-dimensional -symmetry photonic crystal. 1-16 0
- 142 Nonlinear conical diffraction in fractional dimensions with a PT-symmetric optical lattice. **2022**, 158, 112010 0
- 141 Wave Beams in Active Periodic Structures with Quadratic Nonlinearity. **2021**, 85, 1370-1376
- 140 Reservoir-assisted symmetry breaking and coalesced zero-energy modes in an open PT -symmetric Su-Schrieffer-Heeger model. **2021**, 104, 0
- 139 One-sided destructive quantum interference from an exceptional-point-based metasurface. **2021**, 104, 0
- 138 Surface exceptional points in a topological Kondo insulator. **2021**, 104,

- 137 Magnetic Suppression of Non-Hermitian Skin Effects.. **2021**, 127, 256402 0
- 136 Chiral mode transfer of symmetry-broken states in anti-parity-time-symmetric mechanical system. **2021**, 477, 0
- 135 Fast encirclement of an exceptional point for highly efficient and compact chiral mode converters.. **2022**, 13, 2123 3
- 134 Unidirectional reflectionless anti-parity-time-symmetric photonic lattices of thermal atoms. **2022**, 105, 0
- 133 High- Q Surface Light Emission from Active Parity-Time-Symmetric Gratings. **2022**, 17, 0
- 132 Exceptional points in lossy media lead to deep polynomial wave penetration with spatially uniform power loss.. **2022**, 11 1
- 131 Hermitian Systems and Non-Hermitian Systems. **2022**, 7-27 0
- 130 Unidirectional Reflectionless Propagation of Near-Infrared Light in Heterogeneous Metamaterials. 0
- 129 Non-Hermitian waves in a continuous periodic model and application to photonic crystals. **2022**, 4, 1
- 128 Exceptional Point Singularities in Multi-Section DFB Lasers. 0
- 127 Transforming Space with Non-Hermitian Dielectrics.. **2022**, 128, 183901 1
- 126 Band repulsion in periodically modulated lattice models and electromagnetic systems. **2022**, 105, 0
- 125 Quantum magnonics: When magnon spintronics meets quantum information science. **2022**, 965, 1-74 11
- 124 Stable solitons and their controllability in  $\mathcal{PT}$  symmetrical polariton condensates. **2022**, 11 0
- 123 Observation of photonic constant-intensity waves and induced transparency in tailored non-Hermitian lattices. **2022**, 8, 1
- 122 Non-Hermitian Sensing in Photonics and Electronics: A Review. **2022**, 22, 3977 0
- 121 Nonlinear Optical Potential with Parity-Time Symmetry in a Coherent Atomic Gas. **2022**, 14, 1135 0
- 120 Generalized Theory of PT-Symmetric Radio-Frequency Systems with Divergent Exceptional Points. **2022**, 1-1 0

119	Non-Hermitian Mosaic Dimerized Lattices. <b>2022,</b>	
118	Switching Off a Microcavity Polariton Condensate near the Exceptional Point. <b>2022, 9, 2079-2086</b>	0
117	Unidirectional invisibility in a PT-symmetric structure designed by topology optimization.	0
116	Observation of parity-time symmetry in time-division multiplexing pulsed optoelectronic oscillators within a single resonator.	0
115	Controlled Transport Based on Multiorbital Aharonov-Bohm Photonic Caging. <b>2022, 128,</b>	1
114	Linear response theory of open systems with exceptional points. <b>2022, 13,</b>	2
113	Non-Hermitian planar elastic metasurface for unidirectional focusing of flexural waves. <b>2022, 120, 241701</b>	1
112	Coalescence of two branch points in complex time marks the end of rapid adiabatic passage and the start of Rabi oscillations.	0
111	Real spectra and phase transition of skin effect in nonreciprocal systems. <b>2022, 105,</b>	1
110	Imaginary spin-orbital coupling in parity-time symmetric systems with momentum-dependent gain and loss. <b>2022, 24, 063025</b>	
109	Double-wavelength coherent perfect absorption laser in Thue-Morse PT-symmetric photonic crystals. <b>2022, 39, 105746</b>	0
108	Chirality-modulated photonic spin Hall effect in PT-symmetry. <b>2022,</b>	1
107	Light-Matter Interactions in Hybrid Material Metasurfaces.	2
106	Asymmetric nonlinear-mode-conversion in an optical waveguide with PT symmetry. <b>2022, 17,</b>	0
105	Quantum optics of lossy metasurfaces: Propagating the photon-moment matrix by the semiclassical Liouvillian. <b>2022, 106,</b>	0
104	Pseudo-Hermitian magnon-polariton system with a three-dimensional exceptional surface. <b>2022, 106,</b>	1
103	Non-Hermitian skin effect in a phononic beam based on piezoelectric feedback control. <b>2022, 121, 022202</b>	1
102	Higher order Exceptional Points in optical lattices.	1

101	Design and optimization of a passive PT-symmetric grating with asymmetric reflection and diffraction. <b>2022</b> , 30, 29340	
100	Transverse magnetophotonic intensity effect in plasmonic nanostructures with broken spatial symmetry. <b>2022</b> ,	
99	Metasurface on integrated photonic platform: from mode converters to machine learning. <b>2022</b> , 11, 3531-3546	2
98	Reconfigurable unidirectional propagation of electromagnetic waves in photonic crystal waveguides. <b>2022</b> , 39, 2443	0
97	Exceptional-Point Phase Transition in Coupled Magnonic Waveguides. <b>2022</b> , 18,	1
96	Exotic Zitterbewegung-like motion of wave packets near exceptional points. <b>2022</b> , 106,	1
95	Two-way enhancement of sensitivity by tailoring higher-order exceptional points. <b>2022</b> , 106,	0
94	Grating-based microcavity with independent control of resonance energy and linewidth for non-Hermitian polariton system. <b>2022</b> , 121, 081106	0
93	A review on non-Hermitian skin effect. <b>2022</b> , 7,	2
92	Invisible non-Hermitian potentials in discrete-time photonic quantum walks. <b>2022</b> , 47, 4091	0
91	Generalized temporal coupled-mode theory for PT-symmetric optical resonator and novel Fano resonance in PT-symmetric photonic heterostructure.	0
90	Emerging Trend in Unconventional Metasurfaces: From Nonlinear, Non-Hermitian to Nonclassical Metasurfaces.	2
89	Non-Hermitian jumps in disordered lattices. <b>2022</b> , 106,	
88	Conical diffraction modulation in fractional dimensions with a PT-symmetric potential. <b>2022</b> , 164, 112631	0
87	A 3D multifunctional nitrogen-doped RGO-based aerogel with silver nanowires assisted self-supporting networks for enhanced electromagnetic wave absorption. <b>2023</b> , 451, 138825	1
86	Controlling Asymmetric Retroreflection of Metasurfaces via Localized Loss Engineering. <b>2022</b> , 1-1	1
85	Research progress of parity-time symmetry and anti-symmetry. <b>2022</b> , 71, 171101	0
84	High-sensitivity refractive index sensing with the singular phase in normal incidence of an asymmetric FabryPerot cavity modulated by grating. <b>2023</b> , 157, 108697	0



83	Polarization-dependent unidirectional reflectionless in non-Hermitian metasurface and its application in near-field grayscale imaging. <b>2022</b> , 121, 091701	1
82	Perturbation influence of a parity-time optical resonator pair. <b>2022</b> , 12, 085230	0
81	Review on Metasurfaces: An Alternative Approach to Advanced Devices and Instruments. <b>2022</b> , 2022, 1-19	2
80	Three-color reflections in one-dimensional ordered and disordered atomic lattices with trapped N-type cold atoms. <b>2022</b> , 30, 34887	0
79	Band structures and scattering properties of the simplest one-dimensional $\mathcal{PT}$ -symmetric photonic crystal. <b>2022</b> , 12,	0
78	Overcoming the Diffraction Limit on the Size of Dielectric Resonators Using an Amplifying Medium. <b>2022</b> , 129,	0
77	One-dimensional $\mathcal{PT}$ -symmetric acoustic heterostructure.	0
76	Wide-range electrically tunable photonic spin Hall effect in a quasi-PT-symmetric structure. <b>2022</b> , 47, 4957	0
75	Acoustic impurity shielding induced by a pair of metasurfaces respecting PT symmetry. <b>2022</b> , 106,	0
74	Non-Hermitian invisibility in tight-binding lattices. <b>2022</b> , 106,	0
73	Physics of PT -symmetric quantum systems at finite temperatures. <b>2022</b> , 106,	0
72	Generalized temporal coupled-mode theory for perturbatively PT -symmetric optical resonators and its use to study resonance in a photonic heterostructure. <b>2022</b> , 106,	0
71	On-Chip Chiral Mode Switching by Encircling an Exceptional Point in an Anti-Parity-Time Symmetric System. 2100675	0
70	Riemann-Encircling Exceptional Points for Efficient Asymmetric Polarization-Locked Devices. <b>2022</b> , 129,	1
69	Magneto-optical isolation and topological edge states at singular points in plasmonic structures. <b>2022</b> ,	0
68	Exceptional spectrum and dynamic magnetization.	0
67	Complex Spatiotemporal Modulations and Non-Hermitian Degeneracies in PT -Symmetric Phononic Materials. <b>2022</b> , 18,	0
66	Double exceptional points in grating coupled Metal-Insulator-Metal heterostructure.	1

65	Hermitian Nonlinear Wave Mixing Controlled by a PT -Symmetric Phase Transition. <b>2022</b> , 129,	0
64	Born-Padé Approach to electromagnetic scattering in complex one-dimensional inhomogeneous slabs. <b>2022</b> , 106,	0
63	Research progress of non-Hermitian electromagnetic metasurfaces. <b>2022</b> , 0	1
62	Asymmetric Borrmann Effect in a Passive PT-Symmetric Photonic Crystal. <b>2022</b> , 135, 277-284	0
61	Carbon Nanocoils/Carbon Foam as the Dynamically Frequency-Tunable Microwave Absorbers with an Ultrawide Tuning Range and Absorption Bandwidth. 2209898	2
60	Extraordinary Characteristics of One-Dimensional PT-Symmetric Ring Optical Waveguide Networks Composed of Adjustable Length Ratio Waveguides. <b>2022</b> , 12, 3492	0
59	Special exceptional point acting as Dirac point in one dimensional PT-symmetric photonic crystal.	0
58	Nonreciprocal propagation of adjustable multi-pair edge-states in one dimensional crystal. <b>2022</b> , 54,	0
57	Enhancement of optical spin-orbit interactions in PT symmetric system.	0
56	Enhanced higher order modulational instability in Parity-Time symmetric Fiber Bragg Grating system with modified saturable nonlinearity.	0
55	Light funneling by spin-orbit-coupled chiral particles on an arbitrary order exceptional surface. <b>2022</b> , 30, 42495	0
54	Vectorial metasurface holography. <b>2022</b> , 9, 011311	4
53	Recent progress in quantum simulation of non-Hermitian systems. <b>2022</b> , 0	0
52	Recent advances in coherent perfect absorber-lasers and their future applications. <b>2022</b> , 29, 3203-3216	0
51	Floquet Scattering Through a Parity-Time Symmetric Oscillating Potential.	0
50	Wet Chemical Synthesis and Characterization of Au Coatings on Meso- and Macroporous Si for Molecular Analysis by SERS Spectroscopy. <b>2022</b> , 12, 1656	1
49	Unidirectional reflectionless propagation of near-infrared light in heterogeneous metamaterials. <b>2023</b> , 147, 115593	0
48	Analytical and numerical study of chirped optical solitons in a spatially inhomogeneous polynomial law fiber with parity-time symmetry potential.	2

- 47 Direction-dependent non-Hermitian skin effect in modulated photonic waveguide arrays. 10, ○
- 46 Anti- PT-Symmetric Harmonic Oscillator and its Relation to the Inverted Harmonic Oscillator. **2022**, 90, 385-397 ○
- 45 All-fiber optical nonreciprocity based on parity-time-symmetric Fabry-Perot resonators. **2022**, 5, ○
- 44 Dual-loop parity-time symmetric system with a rational loop length ratio. **2023**, 48, 143 1
- 43 Uniform optical gain as a non-Hermitian control knob. **2022**, 4, ○
- 42 Non-Hermitian skin effect edge. **2022**, 106, ○
- 41 Steady helix states in a resonant XXZ Heisenberg model with Dzyaloshinskii-Moriya interaction. **2022**, 106, ○
- 40 Non-reciprocal spatial and quasi-reciprocal angular Goos-Hänchen shifts around double CPA-LPs in PT-symmetric Thue-Morse photonic crystals. ○
- 39 Unidirectional segregation of bright-bright soliton through a parity-time-symmetric potential. **2022**, 106, ○
- 38 Spatial Kramers-Kronig relation and unidirectional light reflection induced by Rydberg interactions. **2023**, 107, ○
- 37 PT symmetry in a superconducting hybrid quantum system with longitudinal coupling. ○
- 36 Soliton formation and dynamics in the quintic nonlinear media with PT-invariant harmonic-Gaussian potential. **2023**, 459, 128607 ○
- 35 Exceptional point in tunable terahertz metasurface based on bulk Dirac semimetal. **2023**, 16, 012011 ○
- 34 Single-Mode Lasing with Spontaneous Symmetry Breaking from a Perovskite Microdisk Dimer. **2023**, 10, 43-48 ○
- 33 Machine learning for knowledge acquisition and accelerated inverse-design for non-Hermitian systems. **2023**, 6, ○
- 32 Robustness versus sensitivity in non-Hermitian topological lattices probed by pseudospectra. **2022**, 4, 1
- 31 Reconfigurable Superdirective Beamshaping Using PTX-Synthesis Metasurface. ○
- 30 Exceptional point in a terahertz graphene metasurface. **2023**, ○

- 29 Directly modulated parity-time symmetric single-mode Fabry-Perot laser. **2023**, 31, 6770 ○
- 28 Manipulation of unidirectional reflectionlessness and asymmetric transmissionlessness in terahertz metamaterials. **2023**, 533, 129309 ○
- 27 Organic Synthetic Photonic Systems with Reconfigurable Parity-Time Symmetry Breaking for Tunable Single-Mode Microlasers. 2300054 ○
- 26 Various topological phases and their abnormal effects of topological acoustic metamaterials. **2023**, 2, 179-230 ○
- 25 Non-Hermitian Floquet-free analytically solvable time-dependent systems [Invited]. **2023**, 13, 678 ○
- 24 Topological phases and non-Hermitian topology in photonic artificial microstructures. **2023**, ○
- 23 Topological states and quantum effects in magnonics. **2023**, 72, 057503 ○
- 22 Optical PT symmetry and PT antisymmetry in one- and two-dimensional optical lattices. **2023**, 77, ○
- 21 Morphology-dependent resonance induced optical forces in a multiple-sphere system. **2023**, 31, 9996 ○
- 20 Switchable Unidirectional Radiation from Huygens Dipole Formed at an Exceptional Point in Non-Hermitian Plasmonic Systems. **2023**, 10, 667-672 1
- 19 Electrical circuit realization of topological switching for the non-Hermitian skin effect. **2023**, 107, ○
- 18 Exceptional-point sensing with a quantum interferometer. **2023**, 25, 033018 ○
- 17 Advances and applications on non-Hermitian topological photonics. **2023**, ○
- 16 Gain-gain and gain-lossless PT-symmetry broken from PT-phase diagram. ○
- 15 Electric polarization and its quantization in one-dimensional non-Hermitian chains. **2023**, 107, ○
- 14 Observation of Perfectly-Chiral Exceptional Point via Bound State in the Continuum. **2023**, 130, ○
- 13 Tunable Single-Mode Output by Optical-Mode Selection. **2023**, 19, ○
- 12 Permittivity-Asymmetric Quasi-Bound States in the Continuum. **2023**, 23, 2651-2658 ○

- 11 Proximity-Encirclement of Multiple Exceptional Points in Non-Hermitian Photonic Waveguides. ○
- 10 Multiple phase transitions and anomalous non-Hermitian skin effect. **2023**, 107, ○
- 9 Tunneling time in PT -symmetric systems. **2023**, 107, ○
- 8 A Principle of Non-Hermitian Wave Modulators by Indefinitely Small Physical Controls. ○
- 7 Manipulating the non-Hermitian skin effect in optical ring resonators. **2023**, 107, ○
- 6 Emergent conservation in the Floquet dynamics of integrable non-Hermitian models. **2023**, 107, ○
- 5 Exceptional Non-Abelian Topology in Multiband Non-Hermitian Systems. **2023**, 130, ○
- 4 Entanglement Phase Transition Induced by the Non-Hermitian Skin Effect. **2023**, 13, ○
- 3 Parity-time symmetry breaking optical nanocircuit. **2023**, 31, 14986 ○
- 2 Gain-compensated cavities for the dynamic control of light-matter interactions. **2023**, 107, ○
- 1 Decoherence in a PT -Symmetric Qubit. **2023**, 68, 101 ○