

Observation and Differentiation of Unique High- Q Vector in Macroscopic Photonic Crystal Slabs

Physical Review Letters

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Citation Report

#	ARTICLE	IF	CITATIONS
1	First principle study on SimNm and SimNm $\hat{A}\pm 1$ ($m=2\hat{A}\epsilon^{10}$) clusters. Computational and Theoretical Chemistry, 2013, 1017, 162-167.	1.1	2
2	Optical bistability with a repulsive optical force in coupled silicon photonic crystal membranes. Applied Physics Letters, 2013, 103, .	1.5	14
3	Observation of trapped light within the radiation continuum. Nature, 2013, 499, 188-191.	13.7	950
4	Optomechanical and photothermal interactions in suspended photonic crystal membranes. Optics Express, 2013, 21, 7258.	1.7	32
5	Bloch surface eigenstates within the radiation continuum. Light: Science and Applications, 2013, 2, e84-e84.	7.7	163
6	Semi-analytical approach for guided mode resonance in high-index-contrast photonic crystal slab: TE polarization. Optics Express, 2013, 21, 20588.	1.7	15
7	Finite-size limitations on Quality Factor of guided resonance modes in 2D Photonic Crystals. Optics Express, 2013, 21, 23640.	1.7	26
8	Enhanced detection limit by dark mode perturbation in 2D photonic crystal slab refractive index sensors. Optics Express, 2013, 21, 31698.	1.7	45
9	Enabling enhanced emission and low-threshold lasing of organic molecules using special Fano resonances of macroscopic photonic crystals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13711-13716.	3.3	110
10	Observation of Trapped Light Within the Radiation Continuum. , 2013, , .		3
11	Three-dimensional coupled-wave theory for the guided mode resonance in photonic crystal slabs: TM-like polarization. Optics Letters, 2014, 39, 4498.	1.7	15
12	Topological Nature of Optical Bound States in the Continuum. Physical Review Letters, 2014, 113, 257401.	2.9	595
13	Symmetry-protected mode coupling near normal incidence for narrow-band transmission filtering in a dielectric grating. Physical Review B, 2014, 89, .	1.1	186
14	Design and Simulation of 2-D Photonic Crystal Based All-Optical AND Logic Gate. , 2014, , .		5
15	Trapping light in open plasmonic nanostructures. Physical Review A, 2014, 89, .	1.0	151
16	Modeling of threshold and dynamics behavior of organic nanostructured lasers. Journal of Materials Chemistry C, 2014, 2, 1463.	2.7	23
17	Fabrication technology for three dimensional metallic photonic crystal slab. , 2014, , .		0
18	Frozen light in a near-zero index metasurface. Physical Review B, 2014, 90, .	1.1	19

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19	Analytical Perspective for Bound States in the Continuum in Photonic Crystal Slabs. Physical Review Letters, 2014, 113, 037401.	2.9	249
20	Fabricating centimeter-scale high quality factor two-dimensional periodic photonic crystal slabs. Optics Express, 2014, 22, 3724.	1.7	6
21	Giant field enhancement in photonic resonant lattices. Physical Review B, 2015, 92, .	1.1	52
22	Embedded energy state in an open semiconductor heterostructure. Physical Review B, 2015, 92, .	1.1	9
23	Leaky-Wave Theory, Techniques, and Applications: From Microwaves to Visible Frequencies. Proceedings of the IEEE, 2015, 103, 793-821.	16.4	188
24	Optical meta-atom for localization of light with quantized energy. Nature Communications, 2015, 6, 8766.	5.8	68
25	Design and characterization of photonic crystal bandedge surface-emitting lasers on silicon. , 2015, , .		0
26	Transition from two dimensional photonic crystal slab to one dimensional corrugated grating. , 2015, , .		0
27	Ultrasensitive optical absorption in graphene based on bound states in the continuum. Scientific Reports, 2015, 5, 8266.	1.6	69
28	Standing waves on two-dimensional periodic dielectric waveguides. Journal of Optics (United Tj ETQq1 1 0.784314 rrgBT /Overlock 10 T	1.6	37
29	Monolithic optofluidic ring resonator lasers created by femtosecond laser nanofabrication. Lab on A Chip, 2015, 15, 2335-2340.	3.1	33
30	Enhanced absorption in two-dimensional materials via Fano-resonant photonic crystals. Applied Physics Letters, 2015, 106, .	1.5	86
31	Nonlinear standing waves on a periodic array of circular cylinders. Optics Express, 2015, 23, 20636.	1.7	10
32	Tailoring of spectral response and spatial field distribution with corrugated photonic crystal slab. Optics Letters, 2015, 40, 3715.	1.7	4
33	Spawning rings of exceptional points out of Dirac cones. Nature, 2015, 525, 354-358.	13.7	610
34	Perfect single-sided radiation and absorption without mirrors. Optica, 2016, 3, 1079.	4.8	69
35	Formation mechanism of guided resonances and bound states in the continuum in photonic crystal slabs. Scientific Reports, 2016, 6, 31908.	1.6	98
36	Tunable optical bound states in the continuum beyond in-plane symmetry protection. Physical Review B, 2016, 94, .	1.1	61

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37	Mode splitting in high-index-contrast grating with mini-scale finite size. <i>Optics Letters</i> , 2016, 41, 3872.	1.7	12
38	Direct imaging of isofrequency contours in photonic structures. <i>Science Advances</i> , 2016, 2, e1601591.	4.7	25
39	Measurement of bound states in the continuum by a detector embedded in a photonic crystal. <i>Light: Science and Applications</i> , 2016, 5, e16147-e16147.	7.7	73
40	Controlling Directionality and Dimensionality of Radiation by Perturbing Separable Bound States in the Continuum. <i>Scientific Reports</i> , 2016, 6, 33394.	1.6	30
41	Bound States in the Continuum in double layer structures. <i>Scientific Reports</i> , 2016, 6, 26988.	1.6	38
42	High Figure of Merit Fano Resonance in 2-D Defect-Free Pillar Array Photonic Crystal for Refractive Index Sensing. <i>IEEE Photonics Journal</i> , 2016, 8, 1-14.	1.0	5
43	Bound states in the continuum. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	1,774
44	Analytical Perspective of Interfering Resonances in High-Index-Contrast Periodic Photonic Structures. <i>IEEE Journal of Quantum Electronics</i> , 2016, 52, 1-9.	1.0	52
45	Standing waves on a periodic array of circular cylinders with saturable nonlinear media. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	2
46	High-Q resonance near zero wave vector in photonic crystal slab for label-free sensing. <i>Proceedings of SPIE</i> , 2017, , .	0.8	0
47	Near-zero refractive index photonics. <i>Nature Photonics</i> , 2017, 11, 149-158.	15.6	635
48	Strong resonances on periodic arrays of cylinders and optical bistability with weak incident waves. <i>Physical Review A</i> , 2017, 95, .	1.0	56
49	Propagating Bloch modes above the lightline on a periodic array of cylinders. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2017, 50, 05LT01.	0.6	37
50	Resonances or bound states in the continuum on periodic arrays of cylinders. , 2017, , .		0
51	Anisotropy-induced photonic bound states in the continuum. <i>Nature Photonics</i> , 2017, 11, 232-236.	15.6	138
52	Bound states in the continuum with high orbital angular momentum in a dielectric rod with periodically modulated permittivity. <i>Physical Review A</i> , 2017, 96, .	1.0	50
53	Quasi bound states in the continuum with few unit cells of photonic crystal slab. <i>Applied Physics Letters</i> , 2017, 111, .	1.5	84
54	Analytical study of mode degeneracy in non-Hermitian photonic crystals with TM-like polarization. <i>Physical Review B</i> , 2017, 96, .	1.1	7

#	ARTICLE	IF	CITATIONS
55	Topological Subspace-Induced Bound State in the Continuum. <i>Physical Review Letters</i> , 2017, 118, 166803.	2.9	125
56	Optical bound states in the continuum in a single slab with zero refractive index. <i>Physical Review A</i> , 2017, 96, .	1.0	25
57	Analytical and statistical investigation on structural fluctuations induced radiation in photonic crystal slabs. <i>Optics Express</i> , 2017, 25, 5580.	1.7	32
58	Light enhancement by quasi-bound states in the continuum in dielectric arrays. <i>Optics Express</i> , 2017, 25, 14134.	1.7	55
59	Improved third-order nonlinear effect in graphene based on bound states in the continuum. <i>Photonics Research</i> , 2017, 5, 629.	3.4	38
60	Photonic crystal bandedge membrane lasers on silicon. <i>Applied Optics</i> , 2017, 56, H67.	0.9	11
61	High quality factor photonic crystal filter at $k \approx \pi$ and its application for refractive index sensing. <i>Optics Express</i> , 2017, 25, 10536.	1.7	55
62	Optical Refractive Index Sensing Based on High-Q Bound States in the Continuum in Free-Space Coupled Photonic Crystal Slabs. <i>Sensors</i> , 2017, 17, 1861.	2.1	105
63	Bound states in the continuum on periodic structures: perturbation theory and robustness. <i>Optics Letters</i> , 2017, 42, 4490.	1.7	41
64	Propagating bound states in the continuum at the surface of a photonic crystal. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017, 34, 1878.	0.9	22
65	Tunable Fano resonator using multilayer graphene in the near-infrared region. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	36
66	Low index contrast heterostructure photonic crystal cavities with high quality factors and vertical radiation coupling. <i>Applied Physics Letters</i> , 2018, 112, 141105.	1.5	13
67	Bound states in the continuum on periodic structures surrounded by strong resonances. <i>Physical Review A</i> , 2018, 97, .	1.0	41
68	Nonreciprocal Flat Optics with Silicon Metasurfaces. <i>Nano Letters</i> , 2018, 18, 1104-1109.	4.5	90
69	Observation of bulk Fermi arc and polarization half charge from paired exceptional points. <i>Science</i> , 2018, 359, 1009-1012.	6.0	438
70	Discrete Light Spectrum of Complex-Shaped Meta-Atoms. <i>Radio Science</i> , 2018, 53, 144-153.	0.8	3
71	Embedded scattering eigenstates using resonant metasurfaces. <i>Journal of Optics (United Kingdom)</i> , 2018, 20, 064002.	1.0	37
72	Resonances and bound states in the continuum on periodic arrays of slightly noncircular cylinders. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2018, 51, 035402.	0.6	21

#	ARTICLE	IF	CITATIONS
73	Asymmetric Metasurfaces with High-Q Resonances Governed by Bound States in the Continuum. Physical Review Letters, 2018, 121, 193903.	2.9	983
74	Formation of Bound States in the Continuum in Hybrid Plasmonic-Photonic Systems. Physical Review Letters, 2018, 121, 253901.	2.9	252
75	Extreme Huygens™ Metasurfaces Based on Quasi-Bound States in the Continuum. Nano Letters, 2018, 18, 8062-8069.	4.5	97
76	Embedding Fields Into Invisible Metasurface-Bound Volumes. , 2018, , .		0
77	Bound states in the continuum in a bilayer photonic crystal with TE-TM cross coupling. Physical Review B, 2018, 98, .	1.1	28
78	Toroidal dipole bound states in the continuum. Physical Review B, 2018, 98, .	1.1	170
79	Multiple Fano Resonances in Symmetry-Breaking Silicon Metasurface for Manipulating Light Emission. ACS Photonics, 2018, 5, 4074-4080.	3.2	84
80	Nonlinear bound states in the continuum of a one-dimensional photonic crystal slab. Physical Review B, 2018, 97, .	1.1	73
81	Large enhancement of second harmonic generation from transition-metal dichalcogenide monolayer on grating near bound states in the continuum. Optics Express, 2018, 26, 322.	1.7	27
82	Demonstration of a thermo-optic phase shifter by utilizing high-Q resonance in high-index-contrast grating. Optics Letters, 2018, 43, 827.	1.7	6
83	Surface-Enhanced Raman and Fluorescence Spectroscopy with an All-Dielectric Metasurface. Journal of Physical Chemistry C, 2018, 122, 19738-19745.	1.5	75
84	Photonic crystal-based compact hybrid WDM/MDM (De)multiplexer for SOI platforms. Optics Letters, 2018, 43, 4176.	1.7	34
85	Corner states in a second-order acoustic topological insulator as bound states in the continuum. Physical Review B, 2019, 100, .	1.1	84
86	Resonant Dual-Grating Metamembranes Supporting Spectrally Narrow Bound States in the Continuum. Advanced Optical Materials, 2019, 7, 1900754.	3.6	34
87	Metasurface Engineering through Bound States in the Continuum. Physical Review Applied, 2019, 12, .	1.5	157
88	Nanoscale nonreciprocity via photon-spin-polarized stimulated Raman scattering. Nature Communications, 2019, 10, 3297.	5.8	25
89	Bound states in the continuum in double-hole array perforated in a layer of photonic crystal slab. Applied Physics Express, 2019, 12, 125002.	1.1	10
90	On-chip photonic crystal surface-emitting lasers. Semiconductors and Semimetals, 2019, 100, 189-225.	0.4	0

#	ARTICLE	IF	CITATIONS
91	Strong terahertz magneto-optical phenomena based on quasi-bound states in the continuum and Fano resonances. Optics Express, 2019, 27, 16449.	1.7	15
92	Anomalous Quantum Hall Effect of Light in Bloch-Wave Modulated Photonic Crystals. Physical Review Letters, 2019, 122, 233904.	2.9	22
93	Optical Bound States in the Continuum with Nanowire Geometric Superlattices. Physical Review Letters, 2019, 122, 187402.	2.9	37
94	On-Chip Photonic Crystal Surface-Emitting Membrane Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2019, 25, 1-11.	1.9	11
95	Experimental observation of a symmetry-protected bound state in the continuum in a chain of dielectric disks. Physical Review A, 2019, 99, .	1.0	75
96	Nonradiating photonics with resonant dielectric nanostructures. Nanophotonics, 2019, 8, 725-745.	2.9	310
97	Dynamic bound states in the continuum. Optica, 2019, 6, 169.	4.8	116
98	Multiple toroidal dipole Fano resonances of asymmetric dielectric nanohole arrays. Physical Review B, 2019, 100, .	1.1	76
99	Symmetry-broken square silicon patches for ultra-narrowband light absorption. Scientific Reports, 2019, 9, 17477.	1.6	14
100	Enhanced optical squeezing from quasi-bound states in the continuum and Fano resonances without nonlinearity. New Journal of Physics, 2019, 21, 123050.	1.2	5
101	High- Q Quasibound States in the Continuum for Nonlinear Metasurfaces. Physical Review Letters, 2019, 123, 253901.	2.9	419
102	Bound states in the continuum in the double-period rectangular hole arrays perforated in one layer of photonic crystal slab in the visible wavelength region. Optics Communications, 2019, 436, 151-160.	1.0	12
103	Enhancement of photonic spin Hall effect via bound states in the continuum. Journal Physics D: Applied Physics, 2019, 52, 045401.	1.3	23
104	Topological linelike bound states in the continuum. Physical Review B, 2019, 99, .	1.1	10
105	Band flips and bound-state transitions in leaky-mode photonic lattices. Physical Review B, 2019, 99, .	1.1	60
106	Imaging Through a Fano-Resonant Dielectric Metasurface Governed by Quasi-bound States in the Continuum. Physical Review Applied, 2020, 14, .	1.5	53
107	Topological charge of finite-size photonic crystal modes. Physical Review B, 2020, 102, .	1.1	10
108	Microcavity exciton polaritons. Semiconductors and Semimetals, 2020, 105, 29-87.	0.4	2

#	ARTICLE	IF	CITATIONS
109	Strong superchiral fields and an ultrasensitive chiral sensor of biomolecules based on a dielectric photonic crystal slab with air holes. <i>Physical Review A</i> , 2020, 102, .	1.0	4
110	Bound States in the Continuum in the Visible Emerging from out-of-Plane Magnetic Dipoles. <i>ACS Photonics</i> , 2020, 7, 2204-2210.	3.2	40
111	Acoustic guided-mode resonances in a metamaterial. <i>Europhysics Letters</i> , 2020, 131, 14002.	0.7	4
112	Metasurface Enhanced Sensitized Photon Upconversion: Toward Highly Efficient Low Power Upconversion Applications and Nanoscale E-Field Sensors. <i>Nano Letters</i> , 2020, 20, 6682-6689.	4.5	26
113	Observation of phonon trapping in the continuum with topological charges. <i>Nature Communications</i> , 2020, 11, 5216.	5.8	20
114	Rotational symmetry of photonic bound states in the continuum. <i>Scientific Reports</i> , 2020, 10, 18243.	1.6	4
115	Optical Computation of Divergence Operation for Vector Fields. <i>Physical Review Applied</i> , 2020, 14, .	1.5	9
116	Enhancement of the Luminescence Signal from Self-Assembled Ge(Si) Nanoislands due to Interaction with the Modes of Two-Dimensional Photonic Crystals. <i>Semiconductors</i> , 2020, 54, 975-981.	0.2	2
117	Parametric dependence of bound states in the continuum on periodic structures. <i>Physical Review A</i> , 2020, 102, .	1.0	14
118	Tailoring the lineshapes of coupled plasmonic systems based on a theory derived from first principles. <i>Light: Science and Applications</i> , 2020, 9, 158.	7.7	26
119	High-Sensitive Refractive Index Sensing Enabled by Topological Charge Evolution. <i>IEEE Photonics Journal</i> , 2020, 12, 1-10.	1.0	11
120	Bound states in the continuum and exceptional points in dielectric waveguide equipped with a metal grating. <i>New Journal of Physics</i> , 2020, 22, 073029.	1.2	14
121	On-Chip Diffraction-Free Beam Guiding beyond the Light Cone. <i>Physical Review Applied</i> , 2020, 13, .	1.5	23
122	Bound States in the Continuum in a T-Shape Nanohole Array Perforated in a Photonic Crystal Slab. <i>Plasmonics</i> , 2020, 15, 1261-1271.	1.8	14
123	Resonant Excitation Analysis on Asymmetrical Lateral Leakage of Light in Finite Zero-Contrast Grating Mirror. <i>IEEE Photonics Journal</i> , 2020, 12, 1-11.	1.0	12
124	Flat optics for image differentiation. <i>Nature Photonics</i> , 2020, 14, 316-323.	15.6	311
125	Trends in Quantum Nanophotonics. <i>Advanced Quantum Technologies</i> , 2020, 3, 1900126.	1.8	37
126	Multiple embedded eigenstates in nonlocal plasmonic nanostructures. <i>Physical Review B</i> , 2020, 101, .	1.1	6

#	ARTICLE	IF	CITATIONS
127	Bound states with complex frequencies near the continuum on lossy periodic structures. <i>Physical Review A</i> , 2020, 101, .	1.0	15
128	Resonant field enhancement near bound states in the continuum on periodic structures. <i>Physical Review A</i> , 2020, 101, .	1.0	12
129	Perturbation theories for symmetry-protected bound states in the continuum on two-dimensional periodic structures. <i>Physical Review A</i> , 2020, 101, .	1.0	16
130	Singular Points of Polarizations in the Momentum Space of Photonic Crystal Slabs. <i>Physical Review Letters</i> , 2020, 124, 153904.	2.9	58
131	Nonlinear polaritons in a monolayer semiconductor coupled to optical bound states in the continuum. <i>Light: Science and Applications</i> , 2020, 9, 56.	7.7	124
132	Photonic Bound States in the Continuum: From Basics to Applications. <i>Advanced Optical Materials</i> , 2021, 9, .	3.6	237
133	Bound states in the continuum of nanohole array with symmetry broken in THz. <i>Optik</i> , 2021, 225, 165761.	1.4	7
134	Tunable plasmonic bound states in the continuum in the visible range. <i>Physical Review B</i> , 2021, 103, .	1.1	43
135	Single and Multi-Mode Directional Lasing from Arrays of Dielectric Nanoresonators. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000411.	4.4	51
136	Merging Bound States in the Continuum at Off-High Symmetry Points. <i>Physical Review Letters</i> , 2021, 126, 117402.	2.9	107
137	Conditional robustness of propagating bound states in the continuum in structures with two-dimensional periodicity. <i>Physical Review A</i> , 2021, 103, .	1.0	11
138	Flatness and boundness of photonic drumhead surface state in a metallic lattice. <i>Scientific Reports</i> , 2021, 11, 8684.	1.6	5
139	Highly efficient polarization-entangled photon-pair generation in lithium niobate waveguides based on bound states in continuum. <i>Optics Express</i> , 2021, 29, 12110.	1.7	6
140	Topological guided-mode resonances at non-Hermitian nanophotonic interfaces. <i>Nanophotonics</i> , 2021, 10, 1853-1860.	2.9	13
142	Magnetic Quasi-Bound State in the Continuum for Wireless Power Transfer. <i>Physical Review Applied</i> , 2021, 15, .	1.5	20
143	Toroidal dipole Fano resonances supported by lattice-perturbed dielectric nanohole arrays in the near-infrared region. <i>Applied Optics</i> , 2021, 60, 3458.	0.9	7
144	Circularly polarized states and propagating bound states in the continuum in a periodic array of cylinders. <i>Physical Review A</i> , 2021, 103, .	1.0	9
145	On the robustness of bound states in the continuum in waveguides with lateral leakage channels. <i>Optics Express</i> , 2021, 29, 16695.	1.7	6

#	ARTICLE	IF	CITATIONS
146	Subwavelength structure enabled ultra-long waveguide grating antenna. Optics Express, 2021, 29, 15133.	1.7	15
147	Symmetry-protected bound state in the continuum in the metasurface of dielectric nanodisk with the inclined surface. Journal of Modern Optics, 2021, 68, 699-706.	0.6	8
148	Nanoparticle Trapping in a Quasi-BIC System. ACS Photonics, 2021, 8, 1961-1971.	3.2	58
149	Holography, Fourier Optics, and Beyond Photonic Crystals: Holographic Fabrications for Weyl Points, Bound States in the Continuum, and Exceptional Points. Advanced Photonics Research, 2021, 2, 2100061.	1.7	10
150	Negative refraction mediated by bound states in the continuum. Photonics Research, 2021, 9, 1592.	3.4	11
151	Geometry symmetry-free and higher-order optical bound states in the continuum. Nature Communications, 2021, 12, 4390.	5.8	25
152	Point-Defect-Localized Bound States in the Continuum in Photonic Crystals and Structured Fibers. Physical Review Letters, 2021, 127, 023605.	2.9	23
153	Quasibound states in the continuum induced by $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi mathvariant="script"} \rangle \text{PT} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ symmetry breaking. Physical Review B, 2021, 104, .	1.1	22
154	Bound States in the Continuum on a Silicon Chip with Dynamic Tuning. Physical Review Applied, 2021, 16, .	1.5	5
155	Multiband quasibound states in the continuum engineered by space-group-invariant metasurfaces. Physical Review B, 2021, 104, .	1.1	25
156	Parametric dependence of bound states in the continuum in periodic structures: Vectorial cases. Physical Review A, 2021, 104, .	1.0	7
157	Quantum superposition demonstrated higher-order topological bound states in the continuum. Light: Science and Applications, 2021, 10, 173.	7.7	33
158	Fano resonance for applications. Advances in Optics and Photonics, 2021, 13, 703.	12.1	61
159	Observation of an Optical Bound State in Photonic Crystal Slabs with U-Shape Nanohole Array. Plasmonics, 2022, 17, 399-407.	1.8	3
160	Unveiling the Symmetry Protection of Bound States in the Continuum with Terahertz Near-Field Imaging. ACS Photonics, 2021, 8, 3010-3016.	3.2	26
161	Analogue of Electromagnetically Induced Transparency in an All-Dielectric Double-Layer Metasurface Based on Bound States in the Continuum. Nanomaterials, 2021, 11, 2343.	1.9	15
162	High-Q resonances governed by bound states in the continuum of a cross-shape nanohole array perforated on a photonic crystal slab. Optik, 2021, 243, 167449.	1.4	3
163	Broadband near infrared all-dielectric metasurface absorber. Results in Physics, 2021, 30, 104813.	2.0	9

#	ARTICLE	IF	CITATIONS
164	Symmetry-protected dual quasi-bound states in the continuum with high tunability in metasurface. Journal of Optics (United Kingdom), 2020, 22, 125102.	1.0	18
165	Anomalies in light scattering. Advances in Optics and Photonics, 2019, 11, 892.	12.1	161
166	Three-dimensional vector wave bound states in a continuum. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 559.	0.9	10
167	Mechanical bound states in the continuum for macroscopic optomechanics. Optics Express, 2019, 27, 10138.	1.7	19
168	Near-field analysis of bound states in the continuum in photonic crystal slabs. Optics Express, 2020, 28, 16288.	1.7	10
169	Ultra-high quality graphene perfect absorbers for high performance switching manipulation. Optics Express, 2020, 28, 37294.	1.7	18
170	Spontaneous symmetry breaking of nonlinear states in optical cavities with radiative losses. Optics Letters, 2020, 45, 3781.	1.7	7
171	Terahertz investigation of bound states in the continuum of metallic metasurfaces. Optica, 2020, 7, 1548.	4.8	108
172	Excitation of symmetry protected modes in a lithium niobate membrane photonic crystal for sensing applications. OSA Continuum, 2020, 3, 3008.	1.8	8
173	Improved generation of correlated photon pairs from monolayer WS_2 based on bound states in the continuum. Photonics Research, 2019, 7, 341.	3.4	14
174	Multipole and multimode engineering in Mie resonance-based metastructures. Nanophotonics, 2020, 9, 1115-1137.	2.9	93
175	Resonance-forbidden second-harmonic generation in nonlinear photonic crystals. Nanophotonics, 2021, 10, 4233-4239.	2.9	6
176	Strong Coupling of Exciton and High-Q Mode in All-Perovskite Metasurfaces. Advanced Optical Materials, 2022, 10, .	3.6	43
177	True- and quasi-bound states in the continuum in one-dimensional gratings with broken up-down mirror symmetry. Nanophotonics, 2021, 10, 3979-3993.	2.9	9
178	Strongly Enhanced Second Harmonic Generation in a Thin Film Lithium Niobate Heterostructure Cavity. Physical Review Letters, 2021, 127, 153901.	2.9	48
179	Modulation of Q Factor and Fano Lineshape in $Ge_2Sb_2Te_5$ -Based Grating Structure. IEEE Photonics Journal, 2021, 13, 1-7.	1.0	1
180	Design and Simulation of All-Optical OR Logic Gate based on 2-D Photonic Crystal. International Journal of Computer Applications, 2014, 99, 32-36.	0.2	4
181	Topological Consequence of Merging Multiple Bound States in the Continuum. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
182	Bound states in the continuum and Fano resonances in the Dirac cone spectrum. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 2221.	0.9	4
183	Observation of miniaturized bound states in the continuum with ultra-high quality factors. Science Bulletin, 2022, 67, 359-366.	4.3	52
184	Dynamics of Topological Polarization Singularity in Momentum Space. Physical Review Letters, 2021, 127, 176101.	2.9	50
185	Bound states in the continuum in resonant nanostructures: an overview of engineered materials for tailored applications. Nanophotonics, 2021, 10, 4175-4207.	2.9	111
186	High-Q resonance in GeSn-based bound states in the continuum microcavity. Applied Optics, 2020, 59, 10093.	0.9	0
187	Understanding and Controlling Mode Hybridization in Multicavity Optical Resonators Using Quantum Theory and the Surface Forces Apparatus. ACS Photonics, 2021, 8, 3517-3525.	3.2	8
188	Observation of intensity flattened phase shifting enabled by unidirectional guided resonance. Nanophotonics, 2021, 10, 4467-4475.	2.9	8
189	Bandwidth-tunable near-infrared perfect absorption of graphene in a compound grating waveguide structure supporting quasi-bound states in the continuum. Optics Express, 2021, 29, 41975.	1.7	48
190	Coherent Terahertz Smith-Purcell Radiation Assisted by Quasi-BIC. , 2021, , .		0
191	(INVITED)A review on dielectric resonant gratings: Mitigation of finite size and Gaussian beam size effects. Results in Optics, 2022, 6, 100210.	0.9	8
192	Low-Symmetry Nanophotonics. ACS Photonics, 2022, 9, 2-24.	3.2	13
193	High-Q localized surface plasmon resonance based on bound states in the continuum for enhanced refractive index sensing. Optics Letters, 2022, 47, 609.	1.7	13
194	Topological properties of non-isotropic two-dimensional SSH model. Wuli Xuebao/Acta Physica Sinica, 2022, 71, 070201.	0.2	1
195	Study on the characteristics of a photonic crystal sensor with rectangular lattice based on bound states in the continuum. Journal Physics D: Applied Physics, 2022, 55, 175106.	1.3	4
196	Bound states in the continuum of the periodic nanostructure with three nanobars in one lattice. Optik, 2022, 253, 168588.	1.4	2
197	Formation mechanism and evolution of multiple Fano resonances in dielectric nanohole arrays with lattice-perturbed based on group theory*. Wuli Xuebao/Acta Physica Sinica, 2022, .	0.2	0
198	Investigation of bound states in the continuum in dual-band perfect absorbers. Optics Express, 2022, 30, 14817.	1.7	14
199	Bound states in the continuum based on the total internal reflection of Bloch waves. National Science Review, 2023, 10, .	4.6	11

#	ARTICLE	IF	CITATIONS
200	Fundamentals and Applications of Topological Polarization Singularities. <i>Frontiers in Physics</i> , 2022, 10, .	1.0	4
201	Bound states in the continuum on flatbands of symmetry-broken photonic crystal slabs. <i>Journal of Optics (United Kingdom)</i> , 0, , .	1.0	1
202	Multifaceted anapole: from physics to applications [Invited]. <i>Optical Materials Express</i> , 2022, 12, 1817.	1.6	13
203	Boundary-Induced Embedded Eigenstate in a Single Resonator for Advanced Sensing. <i>ACS Photonics</i> , 2022, 9, 1936-1943.	3.2	13
204	Analytical theory of finite-size photonic crystal slabs near the band edge. <i>Optics Express</i> , 2022, 30, 14033.	1.7	7
205	Monopole embedded eigenstates in nonlocal plasmonic nanospheres. <i>Applied Physics Letters</i> , 2021, 119, 261101.	1.5	2
206	Bound Topological Edge State in the Continuum for All-Dielectric Photonic Crystals. <i>Physical Review Applied</i> , 2021, 16, .	1.5	18
207	Controlling Topology and Polarization State of Lasing Photonic Bound States in Continuum. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	28
208	Analogue of electromagnetically induced transparency in all-dielectric metasurface induced by quasi-bound state in the continuum for switching. <i>Journal of Modern Optics</i> , 0, , 1-8.	0.6	0
209	Terahertz metasurfaces based on bound states in the continuum (BIC) for high-sensitivity refractive index sensing. <i>Optik</i> , 2022, 261, 169248.	1.4	12
210	All-pass phase shifting enabled by symmetric topological unidirectional guided resonances. <i>Optics Letters</i> , 2022, 47, 2875.	1.7	5
211	Tailoring Accidental Double Bound States in the Continuum in All-Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	3.6	24
212	Ultra-high quality perfect absorber based on quasi bound states in the continuum. <i>Journal of Applied Physics</i> , 2022, 131, .	1.1	10
213	Enhanced Purcell factor for nanoantennas supporting interfering resonances. <i>Physical Review Research</i> , 2022, 4, .	1.3	10
214	Adjustable converter of bound state in the continuum basing on metal-graphene hybrid metasurfaces. <i>Optics Express</i> , 2022, 30, 23828.	1.7	11
215	A topology optimization of open acoustic waveguides based on a scattering matrix method. <i>Wave Motion</i> , 2022, , 102987.	1.0	1
216	Multiple Photonic Bound States in the Continuum in an Electromagnetically Induced Transparency Metasurface. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.	1.0	2
217	Merging bound states in the continuum by harnessing higher-order topological charges. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	38

#	ARTICLE	IF	CITATIONS
218	Evolution of optical harmonic generation near bound-states in the continuum in hybrid plasmonic-photonic structures. <i>Optics Express</i> , 2022, 30, 26455.	1.7	6
219	All-dielectric high saturation structural colors enhanced by multipolar modulated metasurfaces. <i>Optics Express</i> , 2022, 30, 28954.	1.7	8
220	Tunable high-quality-factor absorption in a graphene monolayer based on quasi-bound states in the continuum. <i>Beilstein Journal of Nanotechnology</i> , 0, 13, 675-681.	1.5	3
221	All-angle broadband ENZ metamaterials. <i>New Journal of Physics</i> , 2022, 24, 073016.	1.2	3
222	Diffraction Nonlocal Metasurfaces. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	63
223	Frequency perturbation theory of bound states in the continuum in a periodic waveguide. <i>Physical Review A</i> , 2022, 106, .	1.0	1
224	Lanthanide Ion Resonance-Driven Rayleigh Scattering of Nanoparticles for Dual-Modality Interferometric Scattering Microscopy. <i>Advanced Science</i> , 2022, 9, .	5.6	3
225	Polarization-selective excitation of multiband quasibound states in the continuum supported by symmetry-perturbed silicon metasurface. <i>Optics Communications</i> , 2023, 527, 128904.	1.0	4
226	Graphene-based fine tuning of Fano resonance transmission of quasi-bound states in the continuum. <i>Optics Express</i> , 2022, 30, 30666.	1.7	9
227	Interaction of Ge(Si) Self-Assembled Nanoislands with Different Modes of Two-Dimensional Photonic Crystal. <i>Nanomaterials</i> , 2022, 12, 2687.	1.9	4
228	Strategical Deep Learning for Photonic Bound States in the Continuum. <i>Laser and Photonics Reviews</i> , 2022, 16, .	4.4	9
229	Quasi-BICs Enabled Proximity Sensing Based on Metal Complementary H-Shaped Arrays at Terahertz Frequencies. <i>IEEE Photonics Journal</i> , 2022, 14, 1-8.	1.0	3
230	Metal-graphene hybrid terahertz metasurfaces based on bound states in the continuum (BIC) and quasi-BIC for dynamic near-field imaging. <i>Journal of Alloys and Compounds</i> , 2022, 928, 167232.	2.8	6
231	Low-symmetry nanophotonics. , 2022, , .		0
232	Perturbation approach to improve the angular tolerance of high-Q resonances in metasurfaces. <i>Optics Letters</i> , 2022, 47, 6133.	1.7	3
233	Engineering Electromagnetic Field Distribution and Resonance Quality Factor Using Slotted Quasi-BIC Metasurfaces. <i>Nano Letters</i> , 2022, 22, 8060-8067.	4.5	18
234	Structurally engineered colloidal quantum dot phosphor using TiO ₂ photonic crystal backbone. <i>Light: Science and Applications</i> , 2022, 11, .	7.7	6
235	Flat bands and quasi-bound states in the continuum in a photonic Moiré lattice. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2023, 40, 260.	0.9	6

#	ARTICLE	IF	CITATIONS
236	General Framework of Bound States in the Continuum in an Open Acoustic Resonator. <i>Physical Review Applied</i> , 2022, 18, .	1.5	13
237	Global phase diagram of bound states in the continuum. <i>Optica</i> , 2022, 9, 1353.	4.8	27
238	High resolution UV spectral imaging and bio-detection with magnetic dipole quasi-BIC resonant dielectric metasurfaces. <i>Optics Communications</i> , 2023, 530, 129173.	1.0	3
239	Wavy optical grating: Wideband reflector and Fabry-Pérot bound states in the continuum. <i>Physical Review A</i> , 2022, 106, .	1.0	2
240	Thermal photonics with broken symmetries. <i>ELight</i> , 2022, 2, .	11.9	35
241	Topological metasurface: from passive toward active and beyond. <i>Photonics Research</i> , 2023, 11, B65.	3.4	16
242	Multispectral tunable symmetry-protected bound states in the continuum in all-dielectric split-ring resonator metasurfaces. <i>Journal Physics D: Applied Physics</i> , 2023, 56, 055104.	1.3	6
243	Elastic bound states in the continuum by acoustoelastic interaction. <i>Extreme Mechanics Letters</i> , 2023, 61, 101965.	2.0	4
244	An Enhanced High Q -Factor Resonance of Quasi-Bound States in the Continuum With All-Dielectric Metasurface Based on Multilayer Film Structures. <i>IEEE Sensors Journal</i> , 2023, 23, 2070-2075.	2.4	4
245	Resonant leaky modes in all-dielectric metasystems: Fundamentals and applications. <i>Physics Reports</i> , 2023, 1008, 1-66.	10.3	54
246	Emerging Planar Nanostructures Involving Both Local and Nonlocal Modes. <i>ACS Photonics</i> , 2023, 10, 2031-2044.	3.2	11
247	Large-area silicon photonic crystal supporting bound states in the continuum and optical sensing formed by nanoimprint lithography. <i>Nanoscale Advances</i> , 2023, 5, 1291-1298.	2.2	3
248	Multimode Vortex Lasing from Dye- TiO_2 Lattices via Bound States in the Continuum. <i>ACS Photonics</i> , 2023, 10, 437-446.	3.2	9
249	Tunable dielectric BIC metasurface for high resolution optical filters. <i>Journal Physics D: Applied Physics</i> , 2023, 56, 134002.	1.3	2
250	Asymmetric tetramer metasurface sensor governed by quasi-bound states in the continuum. <i>Nanophotonics</i> , 2023, 12, 1295-1307.	2.9	12
251	Automatic optimization of miniaturized bound states in the continuum cavity. <i>Optics Express</i> , 2023, 31, 12384.	1.7	2
252	Permittivity-Asymmetric Quasi-Bound States in the Continuum. <i>Nano Letters</i> , 2023, 23, 2651-2658.	4.5	13
253	Visualization of photonic band structures via far-field measurements in SiN_x photonic crystal slabs. <i>Applied Physics Letters</i> , 2023, 122, 151102.	1.5	0

#	ARTICLE	IF	CITATIONS
254	Modulation of the Multiple Bound States in the Continuum of the All-Dielectric Metasurface. <i>Photonics</i> , 2023, 10, 418.	0.9	2
262	Topological materials for elastic wave in continuum. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2023, 39, .	1.5	2
270	Applications of bound states in the continuum in photonics. <i>Nature Reviews Physics</i> , 2023, 5, 659-678.	11.9	6