Yan-Feng Chen

List of Publications by Year
in descending order

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211 papers	12,258 citations	36203 51 h-index	27345 106 g-index
215 all docs	215 docs citations	215 times ranked	9883 citing authors

#	Article	IF	Citations
1	Experimental demonstration of a unidirectional reflectionless parity-time metamaterial at opticalÂfrequencies. Nature Materials, 2013, 12, 108-113.	13.3	1,190
2	Acoustic topological insulator and robust one-way sound transport. Nature Physics, 2016, 12, 1124-1129.	6.5	862
3	Nonreciprocal Light Propagation in a Silicon Photonic Circuit. Science, 2011, 333, 729-733.	6.0	576
4	Phononic crystals and acoustic metamaterials. Materials Today, 2009, 12, 34-42.	8.3	556
5	Tunable Unidirectional Sound Propagation through a Sonic-Crystal-Based Acoustic Diode. Physical Review Letters, 2011, 106, 084301.	2.9	396
6	Visualization of Higher-Order Topological Insulating Phases in Two-Dimensional Dielectric Photonic Crystals. Physical Review Letters, 2019, 122, 233903.	2.9	377
7	Substitution-induced phase transition and enhanced multiferroic properties of Bi1â^'xLaxFeO3 ceramics. Applied Physics Letters, 2006, 88, 162901.	1.5	348
8	Second-order topology and multidimensional topological transitions in sonic crystals. Nature Physics, 2019, 15, 582-588.	6.5	331
9	Second-order photonic topological insulator with corner states. Physical Review B, 2018, 98, .	1.1	323
10	Semiconductor/relaxor 0â€“3 type composites without thermal depolarization in Bi0.5Na0.5TiO3-based lead-free piezoceramics. Nature Communications, 2015, 6, 6615.	5.8	263
11	Ultraâ€Thick, Lowâ€Tortuosity, and Mesoporous Wood Carbon Anode for Highâ€Performance Sodiumâ€Ion Batteries. Advanced Energy Materials, 2016, 6, 1600377.	10.2	257
12	Higher-order band topology. Nature Reviews Physics, 2021, 3, 520-532.	11.9	249
13	Extraordinary Acoustic Transmission through a 1D Grating with Very Narrow Apertures. Physical Review Letters, 2007, 99, 174301.	2.9	242
14	Topologically protected one-way edge mode in networks of acoustic resonators with circulating air flow. New Journal of Physics, 2015, 17, 053016.	1.2	196
15	Photonic topological insulator with broken time-reversal symmetry. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 4924-4928.	3.3	193
16	Elastic pseudospin transport for integratable topological phononic circuits. Nature Communications, 2018, 9, 3072.	5.8	189
17	Negative birefraction of acoustic waves in a sonic crystal. Nature Materials, 2007, 6, 744-748.	13.3	182
18	Experimental Observation of Topological Edge States at the Surface Step Edge of the Topological Insulator<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>ZrTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></m Physical Review Letters, 2016, 116, 176803.	2.9	164

#	Article	IF	Citations
19	Breaking the barriers: advances in acoustic functional materials. National Science Review, 2018, 5, 159-182.	4.6	153
20	Optical Properties of an Ionic-Type Phononic Crystal. Science, 1999, 284, 1822-1824.	6.0	137
21	Higher-order quantum spin Hall effect in a photonic crystal. Nature Communications, 2020, 11, 3768.	5.8	136
22	Acoustic Surface Evanescent Wave and its Dominant Contribution to Extraordinary Acoustic Transmission and Collimation of Sound. Physical Review Letters, 2010, 104, 164301.	2.9	135
23	Observation of higher-order non-Hermitian skin effect. Nature Communications, 2021, 12, 5377.	5.8	128
24	Acoustic Backward-Wave Negative Refractions in the Second Band of a Sonic Crystal. Physical Review Letters, 2006, 96, 014301.	2.9	116
25	Photonic non-Hermitian skin effect and non-Bloch bulk-boundary correspondence. Physical Review Research, 2020, 2, .	1.3	116
26	Experimental Observation of Anisotropic Adler-Bell-Jackiw Anomaly in Type-II Weyl Semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>WTe</mml:mi></mml:mrow><mml:mrow><mml:mn>1.98</mml:mn> Crystals at the Quasiclassical Regime. Physical Review Letters, 2017, 118, 096603.	2.9	114
27	Tunable one-way cross-waveguide splitter based on gyromagnetic photonic crystal. Applied Physics Letters, 2010, 96, .	1.5	112
28	Dimensional hierarchy of higher-order topology in three-dimensional sonic crystals. Nature Communications, 2019, 10, 5331.	5.8	108
29	Acoustic cloaking by a near-zero-index phononic crystal. Applied Physics Letters, 2014, 104, .	1.5	99
30	Photonics meets topology. Optics Express, 2018, 26, 24531.	1.7	99
31	Accidental degeneracy of double Dirac cones in a phononic crystal. Scientific Reports, 2014, 4, 4613.	1.6	93
32	Experimental realization of Bloch oscillations in a parity-time synthetic silicon photonic lattice. Nature Communications, 2016, 7, 11319.	5.8	92
33	Negative refraction of acoustic waves in two-dimensional sonic crystals. Physical Review B, 2005, 72, .	1.1	91
34	Synthesis of sandwich-like TiO2@C composite hollow spheres with high rate capability and stability for lithium-ion batteries. Journal of Power Sources, 2013, 221, 141-148.	4.0	90
35	Surface phononic graphene. Nature Materials, 2016, 15, 1243-1247.	13.3	89
36	Acoustic rainbow trapping by coiling up space. Scientific Reports, 2014, 4, 7038.	1.6	83

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37	Sandwich-like LiFePO4/graphene hybrid nanosheets: in situ catalytic graphitization and their high-rate performance for lithium ion batteries. Journal of Materials Chemistry A, 2013, 1, 11534.	5.2	81
38	Symmetry-protected hierarchy of anomalous multipole topological band gaps in nonsymmorphic metacrystals. Nature Communications, 2020, 11, 65.	5.8	80
39	High-density switchable skyrmion-like polar nanodomains integrated on silicon. Nature, 2022, 603, 63-67.	13.7	79
40	Parityâ€Time Symmetry in Nonâ€Hermitian Complex Optical Media. Advanced Materials, 2020, 32, e1903639.	11.1	68
41	Valley-Selective Topological Corner States in Sonic Crystals. Physical Review Letters, 2021, 126, 156401.	2.9	66
42	Spin-Glass-Like Behavior and Topological Hall Effect in SrRuO₃/SrIrO₃ Superlattices for Oxide Spintronics Applications. ACS Applied Materials & Interfaces, 2017, 9, 3201-3207.	4.0	64
43	Experimental Observation of Acoustic Weyl Points and Topological Surface States. Physical Review Applied, 2018, 10, .	1.5	64
44	Two-dimensional topological photonic systems. Progress in Quantum Electronics, 2017, 55, 52-73.	3.5	62
45	Acoustic analogues of three-dimensional topological insulators. Nature Communications, 2020, 11, 2318.	5.8	61
46	Broadband gradient impedance matching using an acoustic metamaterial for ultrasonic transducers. Scientific Reports, 2017, 7, 42863.	1.6	60
47	Extended topological valley-locked surface acoustic waves. Nature Communications, 2022, 13, 1324.	5.8	60
48	Co-doped titanate nanotubes. Applied Physics Letters, 2005, 87, 112501.	1.5	59
49	Tunable semimetallic state in compressive-strained<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>SrIr</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math>films revealed by transport behavior. Physical Review B, 2015, 91, .	1.1	59
50	Composition and temperature-dependent phase transition in miscible Mo1â^'xWxTe2 single crystals. Scientific Reports, 2017, 7, 44587.	1.6	58
51	Predicted Quantum Topological Hall Effect and Noncoplanar Antiferromagnetism in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="normal">K</mml:mi></mml:mrow><mml:mrow><mml:mn>0.5</mml:mn></mml:mrow></mml:msub></mml:mrow><mml:mi	2.9	57
52	Structures and electrical properties of Bi5FeTi3O15 thin films. Journal of Applied Physics, 2005, 97, 104106.	1.1	54
53	Three-dimensional topological acoustic crystals with pseudospin-valley coupled saddle surface states. Nature Communications, 2018, 9, 4555.	5.8	53
54	SrBi4Ti4O15 thin films and their ferroelectric fatigue behaviors under varying switching pulse widths and frequencies. Journal of Applied Physics, 2002, 91, 3160-3164.	1.1	48

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55	Parity-time electromagnetic diodes in a two-dimensional nonreciprocal photonic crystal. Physical Review B, 2011, 83, .	1.1	47
56	Acoustic asymmetric transmission based on time-dependent dynamical scattering. Scientific Reports, 2015, 5, 10880.	1.6	47
57	Asymmetric diffraction based on a passive parity-time grating. Applied Physics Letters, 2016, 109, .	1.5	47
58	Crack-free controlled wrinkling of a bilayer film with a gradient interface. Soft Matter, 2012, 8, 9603.	1.2	42
59	Fabrication and characteristics of nano LiFePO4/C composites with high capacity and high rate using nano Fe2O3 as raw materials. Nano Energy, 2014, 6, 173-179.	8.2	42
60	Investigation on the phase-transition-induced hysteresis in the thermal transport along the c-axis of MoTe2. Npj Quantum Materials, 2017, 2, .	1.8	41
61	Symmetry selective directionality in near-field acoustics. National Science Review, 2020, 7, 1024-1035.	4.6	41
62	High-harmonic generation in Weyl semimetal Î²-WP2 crystals. Nature Communications, 2021, 12, 6437.	5.8	40
63	Refraction control of acoustic waves in a square-rod-constructed tunable sonic crystal. Physical Review B, 2006, 73, .	1.1	37
64	Nonreciprocal resonant transmission/reflection based on a one-dimensional photonic crystal adjacent to the magneto-optical metal film. Optics Express, 2013, 21, 28933.	1.7	37
65	First-principles study of the IVA group atoms adsorption on graphene. Journal of Applied Physics, 2010, 107, .	1.1	35
66	A New Strategy of Lithography Based on Phase Separation of Polymer Blends. Scientific Reports, 2015, 5, 15947.	1.6	34
67	Observation of Acoustic Skyrmions. Physical Review Letters, 2021, 127, 144502.	2.9	34
68	Sensitively Temperature-Dependent Spinâ€“Orbit Coupling in SrIrO₃Thin Films. Journal of the Physical Society of Japan, 2014, 83, 054707.	0.7	32
69	Dramatically decreased magnetoresistance in non-stoichiometric WTe2 crystals. Scientific Reports, 2016, 6, 26903.	1.6	32
70	Precision Imprinted Nanostructural Wood. Advanced Materials, 2019, 31, e1903270.	11.1	31
71	Significant ferrimagnetism observed in Aurivillius Bi4Ti3O12 doped by antiferromagnetic LaFeO3. Applied Physics Letters, 2011, 98, .	1.5	30
72	Acoustic phase-reconstruction near the Dirac point of a triangular phononic crystal. Applied Physics Letters, 2015, 106, .	1.5	29

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73	An efficient polysulfide trapper of an nitrogen and nickel-decorating amylum scaffold-coated separator for ultrahigh performance in lithiumâ€“sulfur batteries. Journal of Materials Chemistry A, 2020, 8, 1238-1246.	5.2	29
74	Optical properties of (Mn, Co) co-doped ZnO films prepared by dual-radio frequency magnetron sputtering. Thin Solid Films, 2006, 515, 2361-2365.	0.8	28
75	Improved electrochemical performance of LiNi_{0.8}Co_{0.15}Al_{0.05}O₂ with ultrathin and thickness-controlled TiO₂ shell via atomic layer deposition technology. RSC Advances, 2016, 6, 100841-100848.	1.7	28
76	Bound states in the continuum in a bilayer photonic crystal with TE-TM cross coupling. Physical Review B, 2018, 98, .	1.1	28
77	Promoting polysulfide conversion by catalytic separator with LiNiPO₄ and rGO hybrids for high performance Liâ€“S batteries. Journal of Materials Chemistry A, 2020, 8, 20111-20121.	5.2	28
78	Improved cycling performance of LiNi0.8Co0.15Al0.05O2/Al2O3 with core-shell structure synthesized by a heterogeneous nucleation-and-growth process. Ionics, 2016, 22, 2021-2026.	1.2	27
79	Topological Surface Acoustic Waves. Physical Review Applied, 2021, 16, .	1.5	27
80	Hybrid Acoustic Topological Insulator in Three Dimensions. Physical Review Letters, 2019, 123, 195503.	2.9	26
81	Direct growth of FePO4/graphene hybrids for Li-ion and Na-ion storage. Electrochemistry Communications, 2014, 38, 120-123.	2.3	25
82	Corner states and topological transitions in two-dimensional higher-order topological sonic crystals with inversion symmetry. Physical Review B, 2020, 102, .	1.1	25
83	Critical couplings in topological-insulator waveguide-resonator systems observed in elastic waves. National Science Review, 2021, 8, nwaa262.	4.6	25
84	Fabrication and characteristics of high-capacity LiNi_{0.8}Co_{0.15}Al_{0.05}O₂with monodisperse yolkâ€“shell spherical precursors by a facile method. RSC Advances, 2014, 4, 35522-35527.	1.7	24
85	Review of Spinâ€“Orbit Coupled Semimetal SrIrO₃in Thin Film Form. Critical Reviews in Solid State and Materials Sciences, 2018, 43, 367-391.	6.8	24
86	Phase Characteristics and Piezoelectric Properties in the Bi_{0.5}Na_{0.5}TiO₃â€“BaTiO₃â€“K_{0.5}Na_{0.5}NbO₃ System. Journal of the American Ceramic Society, 2010, 93, 1561-1564.	2.8	23
87	Guiding robust valley-dependent edge states by surface acoustic waves. Journal of Applied Physics, 2019, 125, .	1.1	23
88	Broadband acoustic absorbing metamaterial via deep learning approach. Applied Physics Letters, 2022, 120, .	1.5	23
89	Tunable negative refraction in a two-dimensional active magneto-optical photonic crystal. Physical Review B, 2005, 71, .	1.1	22
90	Biotemplated synthesis of LiFePO4/C matrixes for the conductive agent-free cathode of lithium ion batteries. Journal of Power Sources, 2013, 244, 702-706.	4.0	22

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91	Phase Separation of Silicon-Containing Polymer/Polystyrene Blends in Spin-Coated Films. Langmuir, 2016, 32, 3670-3678.	1.6	22
92	Composition dependent phase transition and its induced hysteretic effect in the thermal conductivity of WxMo1â^'xTe2. Applied Physics Letters, 2017, 110, .	1.5	22
93	Shubnikovâ€“de Haas oscillations in bulk <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>ZrT</mml:mi><mml:msub><mml:mi mathvariant="normal">e</mml:mi><mml:mn>5</mml:mn></mml:msub></mml:mrow></mml:math> single crystals: Evidence for a weak topological insulator. Physical Review B, 2018, 97, .	1.1	22
94	Z₂ topological edge state in honeycomb lattice of coupled resonant optical waveguides with a flat band. Optics Express, 2018, 26, 24307.	1.7	22
95	Mobility-controlled extremely large magnetoresistance in perfect electron-hole compensated <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mo>â^'</mml:mo><mml:mi mathvariant="normal">W</mml:mi><mml:msub><mml:mi mathvariant="normal">P</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> crystals. Physical Review B, 2018, 97, .	1.1	22
96	Left-handed and right-handed one-way edge modes in a gyromagnetic photonic crystal. Journal of Applied Physics, 2010, 107, .	1.1	21
97	A degradable polycyclic cross-linker for UV-curing nanoimprint lithography. Journal of Materials Chemistry C, 2014, 2, 1836.	2.7	21
98	An Ultrastretchable Reflective Electrode Based on a Liquid Metal Film for Deformable Optoelectronics. , 2021, 3, 1104-1111.		21
99	TOPOLOGICAL PHOTONIC STATES. International Journal of Modern Physics B, 2014, 28, 1441001.	1.0	20
100	Conductive LaNiO₃ Electrode Grown by Pulsed Laser Ablation on Si Substrate. Journal of Materials Research, 1997, 12, 931-935.	1.2	19
101	Competition between band topology and non-Hermiticity. Physical Review B, 2022, 105, .	1.1	19
102	One-way cloak based on nonreciprocal photonic crystal. Applied Physics Letters, 2011, 99, 151112.	1.5	18
103	Exceptional concentric rings in a non-Hermitian bilayer photonic system. Physical Review B, 2019, 100, .	1.1	18
104	Phase compensating effect in left-handed materials. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 332, 449-455.	0.9	17
105	A facile processing way of silica needle arrays with tunable orientation by tube arrays fabrication and etching method. Journal of Solid State Chemistry, 2010, 183, 595-599.	1.4	17
106	Strong correlation of the growth mode and electrical properties of BiCuSeO single crystals with growth temperature. CrystEngComm, 2015, 17, 6136-6141.	1.3	17
107	Enhanced Piezoelectric Properties of Poly(Vinylidenefluoride-Co-Trifluoroethylene)/Carbon-Based Nanomaterial Composite Films for Pressure Sensing Applications. Polymers, 2020, 12, 2999.	2.0	17
108	Hydrophilicâ€“Hydrophobic Nanohybrids of AuNP-Immobilized Two-Dimensional Nanomica Platelets as Flexible Substrates for High-Efficiency and High-Selectivity Surface-Enhanced Raman Scattering Microbe Detection. ACS Applied Bio Materials, 2022, 5, 1073-1083.	2.3	17

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109	Structures and dielectric properties of Bi1.5Zn1.0Nb1.5â^'xTixO7 (x=0, 0.05, and 0.10) thin films. Applied Physics Letters, 2007, 90, 042903.	1.5	16
110	Geometric effects resulting from square and circular confinements for a particle constrained to a space curve. Physical Review A, 2018, 97, .	1.0	16
111	Thermal Stability Enhancement in Epitaxial Alpha Tin Films by Strain Engineering. Advanced Engineering Materials, 2019, 21, 1900410.	1.6	16
112	Electron-electron scattering dominated electrical and magnetotransport properties in the quasi-two-dimensional Fermi liquid single-crystal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">B</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Se</mml:mi></mml:mrow></mml:math>.	1.1	16
113	Acoustic Ghost Imaging in the Time Domain. Physical Review Applied, 2020, 13, .	1.5	16
114	Coupled phonon polaritons in a piezoelectric-piezomagnetic superlattice. Physical Review B, 2008, 77, .	1.1	15
115	High temperature solution growth, chemical depotassiation and growth mechanism of KxRhO2 crystals. CrystEngComm, 2013, 15, 5050.	1.3	15
116	Quantitative control of Fe/Mo anti-site defect and its effects on the properties of Sr2FeMoO6. CrystEngComm, 2013, 15, 4601.	1.3	15
117	High-performance LiMnPO₄/C nanoplates synthesized by negative pressure immersion and a solid state reaction using nanoporous Mn₂O₃ precursors. Journal of Materials Chemistry A, 2015, 3, 15299-15306.	5.2	15
118	Tunable Resistance or Magnetoresistance Cusp and Extremely Large Magnetoresistance in Defect-Engineered <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>HfTe</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn></mml:mrow> Single Crystals. Physical Review Applied, 2018, 9, .	1.5	15
119	Fabrication and characteristics of spherical hierarchical LiFePO4/C cathode material by a facile method. Electrochimica Acta, 2014, 147, 330-336.	2.6	14
120	Slow and robust plate acoustic waveguiding with valley-dependent pseudospins. Applied Physics Express, 2018, 11, 107301.	1.1	14
121	Slow Surface Acoustic Waves via Lattice Optimization of a Phononic Crystal on a Chip. Physical Review Applied, 2020, 14, .	1.5	14
122	Experimental Demonstration of Bulk-Hinge Correspondence in a Three-Dimensional Topological Dirac Acoustic Crystal. Physical Review Letters, 2022, 128, 115701.	2.9	14
123	Photonic Topological States in a Two-Dimensional Gyrotropic Photonic Crystal. Crystals, 2019, 9, 137.	1.0	13
124	High pyroelectric performance due to ferroelectricâ€“antiferroelectric transition near room temperature. Journal of Materials Chemistry C, 2020, 8, 7820-7827.	2.7	13
125	Giant Thermal Transport Tuning at a Metal/Ferroelectric Interface. Advanced Materials, 2022, 34, e2105778.	11.1	13
126	Polymer-Assisted Dispersion of Boron Nitride/Graphene in a Thermoplastic Polyurethane Hybrid for Cooled Smart Clothes. ACS Omega, 2021, 6, 28779-28787.	1.6	13

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127	A new type of artificial structure to achieve broadband omnidirectional acoustic absorption. AIP Advances, 2013, 3, .	0.6	12
128	Stretching-tunable metal gratings fabricated on an elastomeric substrate using a water-soluble sacrificial layer. Applied Physics A: Materials Science and Processing, 2015, 121, 335-341.	1.1	12
129	Synthesis and characterization of hollow Siâ€“SiC composite nanospheres from hollow SiO2/C nanospheres. Journal of Sol-Gel Science and Technology, 2015, 73, 270-277.	1.1	12
130	Ultra-low thermal conductivities along c-axis of naturally misfit layered Bi2[AE]2Co2Oy (AE =) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.5	12
131	Research advances in acoustic metamaterials. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 194301.	0.2	12
132	Dual-Band Helical Edge States and Discrete Dirac Vortices in Solid-State Elastic Waves. Physical Review Applied, 2022, 17, .	1.5	12
133	Microstructure and ferromagnetic property in CaRuO3 thin films with pseudoheterostructure. Applied Physics Letters, 2010, 96, .	1.5	11
134	Structural stability of layered n-LaFeO₃â€“Bi₄Ti₃O₁₂, BiFeO₃â€“Bi₄Ti₃O₁₂, and SrTiO₃â€“Bi₄Ti₃O₁₂ thin films. Journal of Materials Research, 2012, 27, 2956-2964.	1.2	11
135	A novel method to fabricate nonstoichiometric LiFePO4/C coreâ€“shell composites. Journal of Power Sources, 2012, 205, 463-466.	4.0	11
136	Unidirectional Transmission Based on a Passive PT Symmetric Grating With a Nonlinear Silicon Distributed Bragg Reflector Cavity. IEEE Photonics Journal, 2014, 6, 1-7.	1.0	11
137	Lattice dynamics of KxRhO2 single crystals. AIP Advances, 2015, 5, .	0.6	11
138	Manipulating one-way space wave and its refraction by time-reversal and parity symmetry breaking. Scientific Reports, 2016, 6, 29380.	1.6	11
139	A novel method to synthesize SnP2O7 spherical particles for lithium-ion battery anode. Ionics, 2016, 22, 2315-2319.	1.2	11
140	Fabrication of Ag nanodot array over large area for surface-enhanced Raman scattering using hybrid nanoimprint mold made from AAO template. Applied Physics A: Materials Science and Processing, 2014, 117, 909-915.	1.1	10
141	Controllable Subtractive Nanoimprint Lithography for Precisely Fabricating Paclitaxel-Loaded PLGA Nanocylinders to Enhance Anticancer Efficacy. ACS Applied Materials & Interfaces, 2020, 12, 14797-14805.	4.0	10
142	Tuning the period of nanogratings using mechanical stretching and nanoimprint lithography. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	1.1	9
143	Synthesis of hierarchical Na2FeP2O7 spheres with high electrochemical performance via spray drying. Ionics, 2017, 23, 1783-1791.	1.2	9
144	Preparation, Structure Evolution, and Metalâ€“Insulator Transition of Na_xRhO₂ Crystals (0.25 â‰¤ x â‰¤ 1). Inorganic Chemistry, 2018, 57, 2730-2735.	1.9	9

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145	Tunable Auxetic Mechanical Metamaterials with â€œArchâ€Shapedâ€•Units. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1800376.	1.2	9
146	MnO₂ nanoflowers grown on a polypropylene separator for use as both a barrier and an accelerator of polysulfides for high-performance Liâ€“S batteries. Dalton Transactions, 2020, 49, 9719-9727.	1.6	9
147	Subtle effect of doping on the charge density wave in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Ta</mml:mi><mml:msub><mml:mi>Te</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:mrow></mml:math> (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 657 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow>	1.1	9
148	Electrically Tunable Elastic Topological Insulators Using Atomically Thin Two-Dimensional Materials Pinned on Patterned Substrates. Physical Review Applied, 2021, 15, .	1.5	9
149	Significant ferrimagnetisms observed in superlattice composed of antiferromagnetic LaFeO3 and YMnO3. Applied Physics Letters, 2013, 102, 042403.	1.5	8
150	Probing the Spatial Impulse Response of Ultrahigh-Frequency Ultrasonic Transducers with Photoacoustic Waves. Physical Review Applied, 2020, 14, .	1.5	8
151	Research progress of topological photonics. Wuli Xuebao/Acta Physica Sinica, 2019, 68, 224206.	0.2	8
152	Influence of boundary conditions on the one-way edge modes in two-dimensional magneto-optical photonic crystals. Solid State Communications, 2010, 150, 1976-1979.	0.9	7
153	Resonant optical transmission through a one-dimensional photonic crystal adjacent to a thin metal film. Physica B: Condensed Matter, 2011, 406, 1983-1988.	1.3	7
154	Fabrication of wafer-scale nanopatterned sapphire substrate by hybrid nanoimprint lithography. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, .	0.6	7
155	Using coupling slabs to tailor surface-acoustic-wave band structures in phononic crystals consisting of pillars attached to elastic substrates. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	2.0	7
156	The relationship between anisotropic magnetoresistance and topology of Fermi surface in Td-MoTe2 crystal. Journal of Applied Physics, 2017, 122, .	1.1	7
157	Measurement of surface acoustic wave resonances in ferroelectric domains by microwave microscopy. Journal of Applied Physics, 2017, 122, 074101.	1.1	7
158	Interface Engineering and Epitaxial Growth of Singleâ€Crystalline Aluminum Films on Semiconductors. Advanced Materials Interfaces, 2020, 7, 2000572.	1.9	7
159	Direct Growth of Antimonene on C-Plane Sapphire by Molecular Beam Epitaxy. Applied Sciences (Switzerland), 2020, 10, 639.	1.3	7
160	Symmetrical and anti-symmetrical topological edge states based on two-dimensional magneto-optical photonic crystals. AIP Advances, 2020, 10, .	0.6	7
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