Dapeng Yu

List of Publications by Year
in descending order

		36303	38395
213	10,448	51	95
papers	citations	h-index	g-index

214	214	214	15096
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A polymer scaffold for self-healing perovskite solar cells. Nature Communications, 2016, 7, 10228.	12.8	532
2	Bismuth Nanotubes:Â A Rational Low-Temperature Synthetic Route. Journal of the American Chemical Society, 2001, 123, 9904-9905.	13.7	481
3	Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. Science Bulletin, 2017, 62, 1074-1080.	9.0	454
4	Epitaxial growth of a 100-square-centimetre single-crystal hexagonal boron nitride monolayer on copper. Nature, 2019, 570, 91-95.	27.8	422
5	Ultrafast growth of single-crystal graphene assisted by a continuous oxygen supply. Nature Nanotechnology, 2016, 11, 930-935.	31.5	330
6	Hysteresis Analysis Based on the Ferroelectric Effect in Hybrid Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3937-3945.	4.6	329
7	Perovskite seeding growth of formamidinium-lead-iodide-based perovskites for efficient and stable solar cells. Nature Communications, 2018, 9, 1607.	12.8	309
8	Magnetic Monodisperse Fe3O4Nanoparticles. Crystal Growth and Design, 2005, 5, 391-393.	3.0	234
9	Light-Independent Ionic Transport in Inorganic Perovskite and Ultrastable Cs-Based Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2017, 8, 4122-4128.	4.6	231
10	Strain dependent resistance in chemical vapor deposition grown graphene. Applied Physics Letters, 2011, 99, .	3.3	200
11	Monolayer Phosphoreneâ€“Metal Contacts. Chemistry of Materials, 2016, 28, 2100-2109.	6.7	199
12	Synthesis of silicon nitride nanorods using carbon nanotube as a template. Applied Physics Letters, 1997, 71, 2271-2273.	3.3	191
13	Long-distance propagation of short-wavelength spin waves. Nature Communications, 2018, 9, 738.	12.8	181
14	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS2 monolayer on vicinal a-plane sapphire. Nature Nanotechnology, 2022, 17, 33-38.	31.5	171
15	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. Nature Communications, 2018, 9, 4807.	12.8	161
16	Tunable and sizable band gap of single-layer graphene sandwiched between hexagonal boron nitride. NPG Asia Materials, 2012, 4, e6-e6.	7.9	158
17	Efficient field emission from single crystalline indium oxide pyramids. Applied Physics Letters, 2003, 82, 4146-4148.	3.3	130
18	Monitoring Local Strain Vector in Atomic-Layered MoSe₂ by Second-Harmonic Generation. Nano Letters, 2017, 17, 7539-7543.	9.1	128

#	Article	IF	Citations
19	Ultralong Singleâ€Crystalline Ag₂S Nanowires: Promising Candidates for Photoswitches and Roomâ€Temperature Oxygen Sensors. Advanced Materials, 2008, 20, 2628-2632.	21.0	121
20	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 266-272.	17.4	118
21	Experimental Realization of Nonadiabatic Shortcut to Non-Abelian Geometric Gates. Physical Review Letters, 2019, 122, 080501.	7.8	118
22	Mobile-Ion-Induced Degradation of Organic Hole-Selective Layers in Perovskite Solar Cells. Journal of Physical Chemistry C, 2017, 121, 14517-14523.	3.1	117
23	Seeded growth of large single-crystal copper foils with high-index facets. Nature, 2020, 581, 406-410.	27.8	116
24	Greatly Enhanced Anticorrosion of Cu by Commensurate Graphene Coating. Advanced Materials, 2018, 30, 1702944.	21.0	113
25	Efficient Perovskite Solar Cells Fabricated Through CsClâ€Enhanced PbI₂ Precursor via Sequential Deposition. Advanced Materials, 2018, 30, e1803095.	21.0	109
26	Self healing of defected graphene. Applied Physics Letters, 2013, 102, .	3.3	105
27	Possible absence of critical thickness and size effect in ultrathin perovskite ferroelectric films. Nature Communications, 2017, 8, 15549.	12.8	104
28	Synthesis, Microstructure, and Growth Mechanism of Dendrite ZnO Nanowires. Journal of Physical Chemistry B, 2003, 107, 8289-8293.	2.6	101
29	Suppressed hysteresis and improved stability in perovskite solar cells with conductive organic network. Nano Energy, 2016, 26, 139-147.	16.0	97
30	Performance Upper Limit of subâ€10 nm Monolayer MoS₂ Transistors. Advanced Electronic Materials, 2016, 2, 1600191.	5.1	97
31	High-Fidelity, High-Scalability Two-Qubit Gate Scheme for Superconducting Qubits. Physical Review Letters, 2020, 125, 240503.	7.8	93
32	Does the Dirac Cone Exist in Silicene on Metal Substrates?. Scientific Reports, 2014, 4, 5476.	3.3	92
33	Doubleâ€Sideâ€Passivated Perovskite Solar Cells with Ultraâ€low Potential Loss. Solar Rrl, 2019, 3, 1800296.	5.8	89
34	Field emission of large-area and graphitized carbon nanotube array on anodic aluminum oxide template. Journal of Applied Physics, 2003, 93, 5602-5605.	2.5	84
35	Transparent, Doubleâ€Sided, ITOâ€Free, Flexible Dyeâ€Sensitized Solar Cells Based on Metal Wire/ZnO Nanowire Arrays. Advanced Functional Materials, 2012, 22, 2775-2782.	14.9	84
36	Synthesis of TiO2/SiO2 Core/Shell Nanocable Arrays. Journal of Physical Chemistry B, 2004, 108, 14866-14869.	2.6	83

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37	Differential Enzyme Flexibility Probed Using Solid-State Nanopores. ACS Nano, 2018, 12, 4494-4502.	14.6	83
38	Kinetic modulation of graphene growth by fluorine through spatially confined decomposition of metal fluorides. Nature Chemistry, 2019, 11, 730-736.	13.6	82
39	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. Physical Review Letters, 2020, 124, 027203.	7.8	80
40	Thermoelectric signature of the chiral anomaly in Cd3As2. Nature Communications, 2016, 7, 13013.	12.8	78
41	Controlling growth and field emission properties of silicon nanotube arrays by multistep template replication and chemical vapor deposition. Applied Physics Letters, 2005, 87, 113104.	3.3	74
42	Trapping of Ce electrons in band gap and room temperature ferromagnetism of Ce4+ doped ZnO nanowires. Journal of Applied Physics, 2009, 106, .	2.5	71
43	Current-controlled propagation of spin waves in antiparallel, coupled domains. Nature Nanotechnology, 2019, 14, 691-697.	31.5	71
44	Can a Black Phosphorus Schottky Barrier Transistor Be Good Enough?. ACS Applied Materials & Interfaces, 2017, 9, 3959-3966.	8.0	70
45	Highly sensitive hot electron bolometer based on disordered graphene. Scientific Reports, 2013, 3, 3533.	3.3	64
46	Constructing CsPbBr₃ Cluster Passivatedâ€Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. Advanced Functional Materials, 2019, 29, 1809180.	14.9	64
47	Intrinsic and membrane-facilitated Î±-synuclein oligomerization revealed by label-free detection through solid-state nanopores. Scientific Reports, 2016, 6, 20776.	3.3	62
48	Allâ€Metallic Vertical Transistors Based on Stacked Dirac Materials. Advanced Functional Materials, 2015, 25, 68-77.	14.9	59
49	Mechanical Strainâ€Tunable Microwave Magnetism in Flexible CuFe₂O₄ Epitaxial Thin Film for Wearable Sensors. Advanced Functional Materials, 2018, 28, 1705928.	14.9	58
50	Magnetic proximity effect in graphene coupled to a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>BiFe</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> nanoplate. Physical Review B, 2017, 95, .	3.2	57
51	Reversible Healing Effect of Water Molecules on Fully Crystallized Metalâ€“Halide Perovskite Film. Journal of Physical Chemistry C, 2016, 120, 4759-4765.	3.1	55
52	Linear strain-gradient effect on the energy bandgap in bent CdS nanowires. Nano Research, 2011, 4, 308-314.	10.4	51
53	Epitaxy of Singleâ€Crystalline GaN Film on CMOSâ€Compatible Si(100) Substrate Buffered by Graphene. Advanced Functional Materials, 2019, 29, 1905056.	14.9	51
54	Observation of an Odd-Integer Quantum Hall Effect from Topological Surface States in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>Cd</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:mrow></mml:math> Physical Review Letters, 2019, 122, 036602.	7.8	50

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55	Theory for the Charge-Density-Wave Mechanism of 3D Quantum Hall Effect. Physical Review Letters, 2020, 125, 206601.	7.8	50
56	Measuring phonon dispersion at an interface. Nature, 2021, 599, 399-403.	27.8	47
57	Vanishing quantum oscillations in Dirac semimetal ZrTe ₅. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9145-9150.	7.1	46
58	Robust growth of two-dimensional metal dichalcogenides and their alloys by active chalcogen monomer supply. Nature Communications, 2022, 13, 1007.	12.8	42
59	Electrical and mechanical performance of graphene sheets exposed to oxidative environments. Nano Research, 2013, 6, 485-495.	10.4	41
60	Halogen Engineering for Operationally Stable Perovskite Solar Cells via Sequential Deposition. Advanced Energy Materials, 2019, 9, 1902239.	19.5	41
61	Variation of Raman feature on excitation wavelength in silicon nanowires. Applied Physics Letters, 2002, 81, 4446-4448.	3.3	40
62	Stability Challenges for Perovskite Solar Cells. ChemNanoMat, 2019, 5, 253-265.	2.8	39
63	Electric Control of Fermi Arc Spin Transport in Individual Topological Semimetal Nanowires. Physical Review Letters, 2020, 124, 116802.	7.8	39
64	Many-Body Critical Phase: Extended and Nonthermal. Physical Review Letters, 2021, 126, 080602.	7.8	39
65	Strain Loading Mode Dependent Bandgap Deformation Potential in ZnO Micro/Nanowires. ACS Nano, 2015, 9, 11960-11967.	14.6	37
66	Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency. Advanced Materials, 2017, 29, 1701580.	21.0	37
67	Label-Free Single-Molecule Thermoscopy Using a Laser-Heated Nanopore. Nano Letters, 2017, 17, 7067-7074.	9.1	37
68	Raman spectroscopy evidence for dimerization and Mott collapse in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^'</mml:mtext><mml:msub><mml:mi>MoTe</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> under pressures. Physical Review Materials, 2019, 3, .	2.4	37
69	Atomic-scale imaging of CH3NH3PbI3 structure and its decomposition pathway. Nature Communications, 2021, 12, 5516.	12.8	36
70	Synthesis, photoluminescence and field emission properties of well aligned/well patterned conical shape GaN nanorods. CrystEngComm, 2012, 14, 8492.	2.6	35
71	Observation of a thermoelectric Hall plateau in the extreme quantum limit. Nature Communications, 2020, 11, 1046.	12.8	35
72	Enhanced long-term stability of perovskite solar cells using a double-layer hole transport material. Journal of Materials Chemistry A, 2017, 5, 14881-14886.	10.3	34

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73	Temperature dependence of Raman scattering of ZnSe nanoparticle grown through vapor phase. Journal of Crystal Growth, 2005, 274, 530-535.	1.5	33
74	Elastically strained nanowires and atomic sheets. MRS Bulletin, 2014, 39, 157-162.	3.5	33
75	Gate-Tunable Tunneling Resistance in Graphene/Topological Insulator Vertical Junctions. ACS Nano, 2016, 10, 3816-3822.	14.6	33
76	Electrical transport in nanothick <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>ZrTe</mml:mi><mml:mn>5</mml:mn></mml:msub></mm sheets: From three to two dimensions. Physical Review B, 2017, 95, .	3.2	33
77	Effects on surface properties of natural bamboo fibers treated with atmospheric pressure argon plasma. Surface and Interface Analysis, 2006, 38, 1211-1217.	1.8	32
78	Solid-state nanopore-based DNA single molecule detection and sequencing. Mikrochimica Acta, 2016, 183, 941-953.	5.0	32
79	Gate-tuned Aharonov-Bohm interference of surface states in a quasiballistic Dirac semimetal nanowire. Physical Review B, 2017, 95, .	3.2	32
80	Universal Imaging of Full Strain Tensor in 2D Crystals with Thirdâ€Harmonic Generation. Advanced Materials, 2019, 31, e1808160.	21.0	32
81	Constructing Allâ€Inorganic Perovskite/Fluoride Nanocomposites for Efficient and Ultraâ€Stable Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2106386.	14.9	32
82	Fabrication of ultrafine nanostructures with single-nanometre precision in a high-resolution transmission electron microscope. Nanotechnology, 2007, 18, 155303.	2.6	31
83	Subunit cellâ€“level measurement of polarization in an individual polar vortex. Science Advances, 2019, 5, eaav4355.	10.3	31
84	Ultrafast Optical Modulation of Harmonic Generation in Two-Dimensional Materials. Nano Letters, 2020, 20, 8053-8058.	9.1	31
85	Nano Au-decorated boron nitride nanotubes: Conductance modification and field-emission enhancement. Applied Physics Letters, 2008, 92, 243105.	3.3	30
86	Dirac Semimetal Heterostructures: 3D Cd₃As₂ on 2D Graphene. Advanced Materials, 2018, 30, e1707547.	21.0	30
87	Electrical and optical properties of single zigzag SnO2 nanobelts. CrystEngComm, 2013, 15, 2106.	2.6	29
88	Ultrafast Broadband Charge Collection from Clean Graphene/CH₃NH₃PbI₃ Interface. Journal of the American Chemical Society, 2018, 140, 14952-14957.	13.7	29
89	A Novel Way for Synthesizing Phosphorus-Doped Zno Nanowires. Nanoscale Research Letters, 2011, 6, 45.	5.7	28
90	Bending-induced conductance increase in individual semiconductor nanowires and nanobelts. Nano Research, 2009, 2, 553-557.	10.4	27

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91	Effect of surface morphology on the mechanical properties of ZnO nanowires. Applied Physics A: Materials Science and Processing, 2010, 100, 473-478.	2.3	27
92	In Situ Cesium Modification at Interface Enhances the Stability of Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2018, 10, 33205-33213.	8.0	27
93	Realization and Detection of Nonergodic Critical Phases in an Optical Raman Lattice. Physical Review Letters, 2020, 125, 073204.	7.8	27
94	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. Nano Research, 2021, 14, 2133-2138.	10.4	26
95	Chirality-Dependent Hall Effect and Antisymmetric Magnetoresistance in a Magnetic Weyl Semimetal. Physical Review Letters, 2021, 126, 236601.	7.8	24
96	Surface-Facet-Dependent Phonon Deformation Potential in Individual Strained Topological Insulator Bi₂Se₃ Nanoribbons. ACS Nano, 2015, 9, 10244-10251.	14.6	23
97	Precisely Controlled Two-Dimensional Rhombic Copolymer Micelles for Sensitive Flexible Tunneling Devices. CCS Chemistry, 2021, 3, 1399-1409.	7.8	23
98	Fano Interference between Bulk and Surface States of a Dirac Semimetal Cd3As2 Nanowire. Physical Review Letters, 2018, 120, 257701.	7.8	23
99	Universal conductance fluctuations in Dirac semimetal <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi mathvariant="normal">C</mml:mi><mml:msub><mml:mi mathvariant="normal">d</mml:mi><mml:mn>3</mml:mn></mml:msub><mml:mi mathvariant="normal">A</mml:mi><mml:msub><mml:mi mathvariant="normal">s</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:mrow></mml:math> nanowires.	3.2	22
100	Visualizing grain boundaries in monolayer MoSe2 using mild H2O vapor etching. Nano Research, 2018, 11, 4082-4089.	10.4	22
101	Asymmetric Modulation on Exchange Field in a Graphene/BiFeO3 Heterostructure by External Magnetic Field. Nano Letters, 2018, 18, 2435-2441.	9.1	22
102	Superconductivity in Single-Quintuple-Layer Bi₂Te₃ Grown on Epitaxial FeTe. Nano Letters, 2020, 20, 3160-3168.	9.1	22
103	Shape-Controllable Synthesis of Indium Oxide Structures: Nanopyramids and Nanorods. Journal of Materials Research, 2003, 18, 2793-2798.	2.6	21
104	Topological Hall Effect in Traditional Ferromagnet Embedded with Black-Phosphorus-Like Bismuth Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 25135-25142.	8.0	21
105	Growth of large domain epitaxial graphene on the C-face of SiC. Journal of Applied Physics, 2012, 112, .	2.5	20
106	Magnetic order in XY-type antiferromagnetic monolayer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>CoPS</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math> revealed by Raman spectroscopy. Physical Review B, 2021, 103, .	3.2	20
107	Reconfigurable Spin-Wave Interferometer at the Nanoscale. Nano Letters, 2021, 21, 6237-6244.	9.1	20
108	Surface exciton-plasmon polariton enhanced light emission via integration of single semiconductor nanowires with metal nanostructures. Nano Research, 2009, 2, 47-53.	10.4	19

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109	Photovoltaic Effect and Evidence of Carrier Multiplication in Graphene Vertical Homojunctions with Asymmetrical Metal Contacts. ACS Nano, 2015, 9, 8851-8858.	14.6	19
110	Planar Directionâ€Dependent Interfacial Properties in Monolayer In₂Se₃â€“Metal Contacts. Physica Status Solidi (B): Basic Research, 2020, 257, 1900198.	1.5	19
111	Highly Ordered and Well-oriented Single-crystal CdTe Nanowire Arrays by Direct-current Electrodeposition. Journal of Materials Research, 2002, 17, 1711-1714.	2.6	18
112	Interplay of single-wall carbon nanotubes and encapsulatedLa@C82,La2@C80, andSc3N@C80. Physical Review B, 2005, 71, .	3.2	18
113	First-Principles Calculation of ¹³C NMR Chemical Shifts of Infinite Single-Walled Carbon Nanotubes: New Data for Large-Diameter and Four-Helical Nanotubes. Journal of Physical Chemistry C, 2008, 112, 16417-16421.	3.1	18
114	Measurement of complex optical susceptibility for individual carbon nanotubes by elliptically polarized light excitation. Nature Communications, 2018, 9, 3387.	12.8	18
115	Atomic-Scale Probing of Reversible Li Migration in 1T-V_{1+x}Se₂ and the Interactions between Interstitial V and Li. Nano Letters, 2018, 18, 6094-6099.	9.1	18
116	Electroâ€Optical Detection of Single Molecules Based on Solidâ€State Nanopores. Small Structures, 2020, 1, 2000003.	12.0	18
117	Pressure-Dependent Intermediate Magnetic Phase in Thin Fe3GeTe2 Flakes. Journal of Physical Chemistry Letters, 2020, 11, 7313-7319.	4.6	18
118	First-principles study of hydrogen-passivated single-crystalline silicon nanotubes: electronic and optical properties. Nanotechnology, 2007, 18, 505707.	2.6	17
119	Identification of Copper Surface Index by Optical Contrast. Advanced Materials Interfaces, 2018, 5, 1800377.	3.7	17
120	Dynamic fingerprint of fractionalized excitations in single-crystalline Cu3Zn(OH)6FBr. Nature Communications, 2021, 12, 3048.	12.8	17
121	Microanalyses of the reverse-bias leakage current increase in the laser lift off GaN-based light emitting diodes. Journal of Applied Physics, 2009, 106, .	2.5	16
122	Resonant slot nanoantennas for surface plasmon radiation in optical frequency range. Applied Physics Letters, 2012, 100, 241115.	3.3	16
123	Tiny protein detection using pressure through solidâ€state nanopores. Electrophoresis, 2017, 38, 1130-1138.	2.4	16
124	Electronic Coupling between Graphene and Topological Insulator Induced Anomalous Magnetotransport Properties. ACS Nano, 2017, 11, 6277-6285.	14.6	16
125	Record thermopower found in an IrMn-based spintronic stack. Nature Communications, 2020, 11, 2023.	12.8	16
126	Effects of buffer layer on formation of domain boundaries in epilayer during film growth of GaN by low-pressure metalâ€“organic vapor phase epitaxy on sapphire substrates. Applied Physics Letters, 1997, 71, 3694-3696.	3.3	15

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127	Vibrational spectroscopy at electrolyte/electrode interfaces with graphene gratings. Nature Communications, 2015, 6, 7593.	12.8	15
128	Carrier-Funneling-Induced Efficient Energy Transfer in CdSxSe1â€“x Heterostructure Microplates. ACS Energy Letters, 2019, 4, 2796-2804.	17.4	15
129	Long decay length of magnon-polarons in BiFeO3/La0.67Sr0.33MnO3 heterostructures. Nature Communications, 2021, 12, 7258.	12.8	15
130	Contact Angle of Glycerol Nanodroplets Under van der Waals Force. Journal of Physical Chemistry C, 2009, 113, 16169-16173.	3.1	14
131	Enhanced near-band-edge emission and field emission properties from plasma treated ZnO nanowires. Applied Physics A: Materials Science and Processing, 2010, 100, 165-170.	2.3	14
132	Potentials and challenges towards application of perovskite solar cells. Science China Materials, 2016, 59, 769-778.	6.3	14
133	Single crystalline SmB6 nanowires for self-powered, broadband photodetectors covering mid-infrared. Applied Physics Letters, 2018, 112, .	3.3	14
134	Selection of single-walled carbon nanotubes according to both their diameter and chirality via nanotweezers. Nano Research, 2010, 3, 296-306.	10.4	13
135	Large tunable linear magnetoresistance in gold nanoparticle decorated graphene. Applied Physics Letters, 2014, 105, 143103.	3.3	13
136	Short-Wavelength Spin Waves in Yttrium Iron Garnet Micro-Channels on Silicon. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	13
137	Quiver-quenched optical-field-emission from carbon nanotubes. Applied Physics Letters, 2017, 111, .	3.3	13
138	Ultrabroadband spin-wave propagation in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Co</mml:mi><mml:mn>2</mml:mn></mml: thin films. Physical Review B, 2017, 96, .	3.2	13
139	Magnetic Raman continuum in single-crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi mathvariant="normal">H</mml:mi></mml:mrow><mml:mn>3</mml:mn></mml:msub><mml:msub><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mn>6</mml:mn></mml:msub></mml:math>. Physical Review B, 2020, 101, .	3.2	13
140	Unveiling the Fine Structural Distortion of Atomically Thin Bi₂O₂Se by Thirdâ€Harmonic Generation. Advanced Materials, 2020, 32, e2002831.	21.0	13
141	Superrobust Geometric Control of a Superconducting Circuit. Physical Review Applied, 2021, 16, .	3.8	13
142	Regrowth of Template ZnO Nanowires for the Underlying Catalyst-Free Growth Mechanism. Crystal Growth and Design, 2011, 11, 2135-2141.	3.0	12
143	A unique strategy for improving top contact in Si/ZnO hierarchical nanoheterostructure photodetectors. CrystEngComm, 2012, 14, 3015.	2.6	12
144	Waterâ€Based TiO₂ Nanocrystal as an Electronic Transport Layer for Operationally Stable Perovskite Solar Cells. Solar Rrl, 2019, 3, 1900167.	5.8	12

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145	Atomic origin of spin-valve magnetoresistance at the SrRuO3 grain boundary. National Science Review, 2020, 7, 755-762.	9.5	12
146	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. ACS Nano, 2021, 15, 9076-9083.	14.6	12
147	Probing the Effect of Ubiquitinated Histone on Mononucleosomes by Translocation Dynamics Study through Solid-State Nanopores. Nano Letters, 2022, 22, 888-895.	9.1	12
148	Growth mechanism study viain situ epitaxial growth of high-oriented ZnO nanowires. CrystEngComm, 2011, 13, 606-610.	2.6	11
149	Probing the continuum scattering and magnetic collapse in single crystalline <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>Î±</mml:mi><mml:mtext>â^’</mml:mtext><mml:mi mathvariant="normal">L</mml:mi><mml:msub><mml:mi mathvariant="normal">i</mml:mi><mml:mn>2</mml:mn></mml:msub><mml:mi>Ir</mml:mi><mml:msub><mml:mi mathvariant="normal">O</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:mrow></mml:math> by Raman spectroscopy. Physical Review B, 2020, 101, .	3.2	11
150	Magic-angle magnonic nanocavity in a magnetic moirÃ© superlattice. Physical Review B, 2022, 105, .	3.2	11
151	Direct Visualization of Photomorphic Reaction Dynamics of Plasmonic Nanoparticles in Liquid by Four-Dimensional Electron Microscopy. Journal of Physical Chemistry Letters, 2018, 9, 4045-4052.	4.6	10
152	Sub-50â€‰nm wavelength spin waves excited by low-damping Co25Fe75 nanowires. Applied Physics Letters, 2021, 119, .	3.3	10
153	Selfâ€intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. Advanced Functional Materials, 2022, 32, .	14.9	10
154	Spin-polarized surface state transport in a topological Kondo insulator SmB6 nanowire. Physical Review B, 2017, 95, .	3.2	9
155	Electrical control of magnetic proximity effect in a graphene/multiferroic heterostructure. Applied Physics Letters, 2018, 113, .	3.3	9
156	Flux Tunable Superconducting Quantum Circuit Based on Weyl Semimetal MoTe₂. Nano Letters, 2020, 20, 8469-8475.	9.1	9
157	Room-Temperature Manipulation of Spin Texture in a Dirac Semimetal. Physical Review Applied, 2020, 14, .	3.8	9
158	Suppressing Coherent Two-Qubit Errors via Dynamical Decoupling. Physical Review Applied, 2021, 16, .	3.8	9
159	Self-Assembled [21Ì…1Ì…0] Twin Junctions Formed by Intercrossing of ZnO Nanowires. Journal of Physical Chemistry C, 2009, 113, 18014-18019.	3.1	8
160	Numerical modeling and simulation of ZnO nanowire devices for energy harvesting. Physica Status Solidi C: Current Topics in Solid State Physics, 2016, 13, 683-687.	0.8	8
161	Confined-path interference suppressed quantum correction on weak antilocalization effect in a BiSbTeSe2 topological insulator. Applied Physics Letters, 2018, 112, .	3.3	8
162	Strong excitonâ€“photon coupling and polariton lasing in GaN microrod. Journal of Materials Science, 2019, 54, 8472-8481.	3.7	8

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