

Dapeng Yu

List of Publications by Year in descending order

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213
papers

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times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Towards intrinsically pure graphene grown on copper. <i>Nano Research</i> , 2022, 15, 919-924.	10.4	7
2	Temperature Dependent Exciton Funnel Dynamics in Uniform Strain Gradient Field Observed by Time-Resolved Photoluminescence. <i>Advanced Optical Materials</i> , 2022, 10, 2101969.	7.3	0
3	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS ₂ monolayer on vicinal a-plane sapphire. <i>Nature Nanotechnology</i> , 2022, 17, 33-38.	31.5	171
4	Probing the Effect of Ubiquitinated Histone on Mononucleosomes by Translocation Dynamics Study through Solid-State Nanopores. <i>Nano Letters</i> , 2022, 22, 888-895.	9.1	12
5	Robust growth of two-dimensional metal dichalcogenides and their alloys by active chalcogen monomer supply. <i>Nature Communications</i> , 2022, 13, 1007.	12.8	42
6	Bending strain effects on the optical and optoelectric properties of GaN nanowires. <i>Nano Research</i> , 2022, 15, 4575-4581.	10.4	7
7	Monitoring the Material Quality of Two-Dimensional Transition Metal Dichalcogenides. <i>Journal of Physical Chemistry C</i> , 2022, 126, 3797-3810.	3.1	3
8	Customizable Quantum Control via Stimulated Raman User-Defined Passage. <i>Physical Review Applied</i> , 2022, 17, .	3.8	5
9	Magic-angle magnonic nanocavity in a magnetic moiré superlattice. <i>Physical Review B</i> , 2022, 105, .	3.2	11
10	Self-Intercalation Tunable Interlayer Exchange Coupling in a Synthetic van der Waals Antiferromagnet. <i>Advanced Functional Materials</i> , 2022, 32, .	14.9	10
11	Visualizing the Anomalous Catalysis in Two-Dimensional Confined Space. <i>Nano Letters</i> , 2022, 22, 4661-4668.	9.1	3
12	Evidence of Magnon-Mediated Orbital Magnetism in a Quasi-2D Topological Magnon Insulator. <i>Nano Letters</i> , 2022, 22, 5114-5119.	9.1	2
13	Many-Body Critical Phase: Extended and Nonthermal. <i>Physical Review Letters</i> , 2021, 126, 080602.	7.8	39
14	Anomalous Hall effect in graphene coupled to a layered magnetic semiconductor. <i>Physical Review B</i> , 2021, 103, .	3.2	8
15	Dynamic fingerprint of fractionalized excitations in single-crystalline Cu ₃ Zn(OH) ₆ FBr. <i>Nature Communications</i> , 2021, 12, 3048.	12.8	17
16	Precisely Controlled Two-Dimensional Rhombic Copolymer Micelles for Sensitive Flexible Tunneling Devices. <i>CCS Chemistry</i> , 2021, 3, 1399-1409.	7.8	23
17	A superconducting coplanar waveguide ring resonator as quantum bus for circuit quantum electrodynamics. <i>Applied Physics Letters</i> , 2021, 118, .	3.3	3
18	Experimental realization of phase-controlled dynamics with hybrid digital-analog approach. <i>Npj Quantum Information</i> , 2021, 7, .	6.7	1

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19	Tunable Damping in Magnetic Nanowires Induced by Chiral Pumping of Spin Waves. ACS Nano, 2021, 15, 9076-9083.	14.6	12
20	Magnetic order in XY-type antiferromagnetic monolayer $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{CoPS} \langle / \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle 3 \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle$ revealed by Raman spectroscopy. Physical Review B, 2021, 103, .	14.2	20
21	Patternâ€Potentialâ€Guided Growth of Textured Macromolecular Films on Graphene/Highâ€Index Copper. Advanced Materials, 2021, 33, e2006836.	21.0	6
22	Chirality-Dependent Hall Effect and Antisymmetric Magnetoresistance in a Magnetic Weyl Semimetal. Physical Review Letters, 2021, 126, 236601.	7.8	24
23	Reconfigurable Spin-Wave Interferometer at the Nanoscale. Nano Letters, 2021, 21, 6237-6244.	9.1	20
24	Constructing Allâ€Inorganic Perovskite/Fluoride Nanocomposites for Efficient and Ultraâ€Stable Perovskite Solar Cells. Advanced Functional Materials, 2021, 31, 2106386.	14.9	32
25	Intermediate anomalous Hall states induced by noncollinear spin structure in the magnetic topological insulator $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Mn} \langle / \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle 3 \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle$ Physical Review B, 2021, 104, .	13.2	7
26	Atomic-scale imaging of CH ₃ NH ₃ PbI ₃ structure and its decomposition pathway. Nature Communications, 2021, 12, 5516.	12.8	36
27	Quantum efficiency, intrinsic emittance, and response time measurements of a titanium nitride photocathode. Physical Review Accelerators and Beams, 2021, 24, .	1.6	4
28	Nonreciprocal coherent coupling of nanomagnets by exchange spin waves. Nano Research, 2021, 14, 2133-2138.	10.4	26
29	Surface Engineering of Antisymmetric Linear Magnetoresistance and Spin-Polarized Surface State Transport in Dirac Semimetals. Nano Letters, 2021, 21, 2026-2032.	9.1	7
30	Sub-50â€nm wavelength spin waves excited by low-damping Co ₂₅ Fe ₇₅ nanowires. Applied Physics Letters, 2021, 119, .	3.3	10
31	Suppressing Coherent Two-Qubit Errors via Dynamical Decoupling. Physical Review Applied, 2021, 16, .	3.8	9
32	Measuring phonon dispersion at an interface. Nature, 2021, 599, 399-403.	27.8	47
33	Dzyaloshinskii-Moriya anisotropy effect on field-induced magnon condensation in the kagome antiferromagnet $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I} \pm \langle / \text{mml:mi} \rangle \langle \text{mml:mtext} \rangle \hat{a} \langle / \text{mml:mtext} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle 0 \langle / \text{mml:msub} \rangle \langle / \text{mml:mrow} \rangle$ Physical Review B, 2021, 104, .	3.2	0
34	Long decay length of magnon-polarons in BiFeO ₃ /La _{0.67} Sr _{0.33} MnO ₃ heterostructures. Nature Communications, 2021, 12, 7258.	12.8	15
35	Superrobust Geometric Control of a Superconducting Circuit. Physical Review Applied, 2021, 16, .	3.8	13
36	Planar Directionâ€Dependent Interfacial Properties in Monolayer In ₂ Se ₃ â€Metal Contacts. Physica Status Solidi (B): Basic Research, 2020, 257, 1900198.	1.5	19

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37	Orbital-fluctuation freezing and magnetic-nonmagnetic phase transition in $\hat{\pm}$ -TiBr ₃ . Applied Physics Letters, 2020, 117, 133103.	3.3	6
38	Theory for the Charge-Density-Wave Mechanism of 3D Quantum Hall Effect. Physical Review Letters, 2020, 125, 206601.	7.8	50
39	Flux Tunable Superconducting Quantum Circuit Based on Weyl Semimetal MoTe ₂ . Nano Letters, 2020, 20, 8469-8475.	9.1	9
40	Electro-Optical Detection of Single Molecules Based on Solid-State Nanopores. Small Structures, 2020, 1, 2000003.	12.0	18
41	Realization and Detection of Nonergodic Critical Phases in an Optical Raman Lattice. Physical Review Letters, 2020, 125, 073204.	7.8	27
42	Pressure-Dependent Intermediate Magnetic Phase in Thin Fe ₃ GeTe ₂ Flakes. Journal of Physical Chemistry Letters, 2020, 11, 7313-7319.	4.6	18
43	Ultrafast Optical Modulation of Harmonic Generation in Two-Dimensional Materials. Nano Letters, 2020, 20, 8053-8058.	9.1	31
44	Giant pattern evolution in third-harmonic generation of strained monolayer WS ₂ at two-photon excitonic resonance. Nano Research, 2020, 13, 3235-3240.	10.4	8
45	High-Fidelity, High-Scalability Two-Qubit Gate Scheme for Superconducting Qubits. Physical Review Letters, 2020, 125, 240503.	7.8	93
46	Room-Temperature Manipulation of Spin Texture in a Dirac Semimetal. Physical Review Applied, 2020, 14, .	3.8	9
47	Topological Hall Effect in Traditional Ferromagnet Embedded with Black-Phosphorus-Like Bismuth Nanosheets. ACS Applied Materials & Interfaces, 2020, 12, 25135-25142.	8.0	21
48	Magnetic Raman continuum in single-crystalline H_3OCl_3 . Physical Review B, 2020, 101, .	3.2	13
49	Seeded growth of large single-crystal copper foils with high-index facets. Nature, 2020, 581, 406-410.	27.8	116
50	Magnetic field enhanced zero-bias conductance in vertical Josephson junctions based on Weyl semimetals. Physical Review B, 2020, 101, .	3.2	2
51	Electric Control of Fermi Arc Spin Transport in Individual Topological Semimetal Nanowires. Physical Review Letters, 2020, 124, 116802.	7.8	39
52	Superconductivity in Single-Quintuple-Layer Bi ₂ Te ₃ Grown on Epitaxial FeTe. Nano Letters, 2020, 20, 3160-3168.	9.1	22
53	Atomic origin of spin-valve magnetoresistance at the SrRuO ₃ grain boundary. National Science Review, 2020, 7, 755-762.	9.5	12
54	Unveiling the Fine Structural Distortion of Atomically Thin Bi ₂ O ₂ Se by Third-Harmonic Generation. Advanced Materials, 2020, 32, e2002831.	21.0	13

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55	Probing the continuum scattering and magnetic collapse in single-crystalline LiFePO_4 by Raman spectroscopy. <i>Physical Review B</i> , 2020, 101, .	3.2	11
56	Observation of a thermoelectric Hall plateau in the extreme quantum limit. <i>Nature Communications</i> , 2020, 11, 1046.	12.8	35
57	Graphene/ZnO Nanowire/p-GaN Vertical Junction for a High-Performance Nanoscale Light Source. <i>ACS Omega</i> , 2020, 5, 4133-4138.	3.5	4
58	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. <i>Physical Review Letters</i> , 2020, 124, 027203.	7.8	80
59	Record thermopower found in an IrMn-based spintronic stack. <i>Nature Communications</i> , 2020, 11, 2023.	12.8	16
60	Kinetic modulation of graphene growth by fluorine through spatially confined decomposition of metal fluorides. <i>Nature Chemistry</i> , 2019, 11, 730-736.	13.6	82
61	Epitaxy of Single-Crystalline GaN Film on CMOS-Compatible Si(100) Substrate Buffered by Graphene. <i>Advanced Functional Materials</i> , 2019, 29, 1905056.	14.9	51
62	GaN on Si(100): Epitaxy of Single-Crystalline GaN Film on CMOS-Compatible Si(100) Substrate Buffered by Graphene (<i>Adv. Funct. Mater.</i> 42/2019). <i>Advanced Functional Materials</i> , 2019, 29, 1970293.	14.9	1
63	Halogen Engineering for Operationally Stable Perovskite Solar Cells via Sequential Deposition. <i>Advanced Energy Materials</i> , 2019, 9, 1902239.	19.5	41
64	Carrier-Funneling-Induced Efficient Energy Transfer in $\text{CdS}_x\text{Se}_{1-x}$ Heterostructure Microplates. <i>ACS Energy Letters</i> , 2019, 4, 2796-2804.	17.4	15
65	Observation of an Odd-Integer Quantum Hall Effect from Topological Surface States in Cd_3As_2 . <i>Physical Review Letters</i> , 2019, 122, 036602.	7.8	50
66	Water-Based TiO_2 Nanocrystal as an Electronic Transport Layer for Operationally Stable Perovskite Solar Cells. <i>Solar Rrl</i> , 2019, 3, 1900167.	5.8	12
67	Tunable Electronic Properties and Giant Spontaneous Polarization in Graphene/Monolayer GeS van der Waals Heterostructure. <i>Physica Status Solidi (B): Basic Research</i> , 2019, 256, 1900194.	1.5	6
68	Epitaxial growth of a 100-square-centimetre single-crystal hexagonal boron nitride monolayer on copper. <i>Nature</i> , 2019, 570, 91-95.	27.8	422
69	Current-controlled propagation of spin waves in antiparallel, coupled domains. <i>Nature Nanotechnology</i> , 2019, 14, 691-697.	31.5	71
70	Ordered space-time structures: Quantum carpets from Gaussian sum theory. <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	0
71	Strong exciton-photon coupling and polariton lasing in GaN microrod. <i>Journal of Materials Science</i> , 2019, 54, 8472-8481.	3.7	8
72	Universal Imaging of Full Strain Tensor in 2D Crystals with Third-Harmonic Generation. <i>Advanced Materials</i> , 2019, 31, e1808160.	21.0	32

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73	Experimental Realization of Nonadiabatic Shortcut to Non-Abelian Geometric Gates. <i>Physical Review Letters</i> , 2019, 122, 080501.	7.8	118
74	Constructing CsPbBr ₃ Cluster Passivated δ -Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. <i>Advanced Functional Materials</i> , 2019, 29, 1809180.	14.9	64
75	Subunit cell-level measurement of polarization in an individual polar vortex. <i>Science Advances</i> , 2019, 5, eaav4355.	10.3	31
76	Perovskite Solar Cells: Halogen Engineering for Operationally Stable Perovskite Solar Cells via Sequential Deposition (<i>Adv. Energy Mater.</i> 46/2019). <i>Advanced Energy Materials</i> , 2019, 9, 1970183.	19.5	2
77	Double-side Passivated Perovskite Solar Cells with Ultra-low Potential Loss. <i>Solar Rrl</i> , 2019, 3, 1800296.	5.8	89
78	Stability Challenges for Perovskite Solar Cells. <i>ChemNanoMat</i> , 2019, 5, 253-265.	2.8	39
79	Raman spectroscopy evidence for dimerization and Mott collapse in CuFe_2O_4 under pressures. <i>Physical Review Materials</i> , 2019, 3, .		
80	Long-distance propagation of short-wavelength spin waves. <i>Nature Communications</i> , 2018, 9, 738.	12.8	181
81	Flexible Electronics: Mechanical Strain-Tunable Microwave Magnetism in Flexible CuFe_2O_4 Epitaxial Thin Film for Wearable Sensors (<i>Adv. Funct. Mater.</i> 10/2018). <i>Advanced Functional Materials</i> , 2018, 28, 1870063.	14.9	3
82	Single crystalline SmB_6 nanowires for self-powered, broadband photodetectors covering mid-infrared. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
83	Perovskite seeding growth of formamidinium-lead-iodide-based perovskites for efficient and stable solar cells. <i>Nature Communications</i> , 2018, 9, 1607.	12.8	309
84	Differential Enzyme Flexibility Probed Using Solid-State Nanopores. <i>ACS Nano</i> , 2018, 12, 4494-4502.	14.6	83
85	Visualizing grain boundaries in monolayer MoSe_2 using mild H_2O vapor etching. <i>Nano Research</i> , 2018, 11, 4082-4089.	10.4	22
86	Confined-path interference suppressed quantum correction on weak antilocalization effect in a BiSbTeSe_2 topological insulator. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	8
87	Greatly Enhanced Anticorrosion of Cu by Commensurate Graphene Coating. <i>Advanced Materials</i> , 2018, 30, 1702944.	21.0	113
88	Mechanical Strain-Tunable Microwave Magnetism in Flexible CuFe_2O_4 Epitaxial Thin Film for Wearable Sensors. <i>Advanced Functional Materials</i> , 2018, 28, 1705928.	14.9	58
89	Asymmetric Modulation on Exchange Field in a Graphene/ BiFeO_3 Heterostructure by External Magnetic Field. <i>Nano Letters</i> , 2018, 18, 2435-2441.	9.1	22
90	Imaging nanoscale spatial modulation of a relativistic electron beam with a MeV ultrafast electron microscope. <i>Applied Physics Letters</i> , 2018, 112, 113102.	3.3	7

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91	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , 2018, 9, 4807.	12.8	161
92	Surface Index: Identification of Copper Surface Index by Optical Contrast (<i>Adv. Mater. Interfaces</i>)	3.7	10
93	Increase of intrinsic emittance induced by multiphoton photoemission from copper cathodes illuminated by femtosecond laser pulses. <i>AIP Advances</i> , 2018, 8, 055225.	1.3	6
94	Electrical control of magnetic proximity effect in a graphene/multiferroic heterostructure. <i>Applied Physics Letters</i> , 2018, 113, .	3.3	9
95	Ultrafast Broadband Charge Collection from Clean Graphene/CH ₃ NH ₃ PbI ₃ Interface. <i>Journal of the American Chemical Society</i> , 2018, 140, 14952-14957.	13.7	29
96	In Situ Cesium Modification at Interface Enhances the Stability of Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33205-33213.	8.0	27
97	Vanishing quantum oscillations in Dirac semimetal ZrTe ₅ . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 9145-9150.	7.1	46
98	Identification of Copper Surface Index by Optical Contrast. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800377.	3.7	17
99	Direct Visualization of Photomorphic Reaction Dynamics of Plasmonic Nanoparticles in Liquid by Four-Dimensional Electron Microscopy. <i>Journal of Physical Chemistry Letters</i> , 2018, 9, 4045-4052.	4.6	10
100	Dirac Semimetal Heterostructures: 3D Cd ₃ As ₂ on 2D Graphene. <i>Advanced Materials</i> , 2018, 30, e1707547.	21.0	30
101	Efficient Perovskite Solar Cells Fabricated Through CsCl ₂ -Enhanced PbI ₂ Precursor via Sequential Deposition. <i>Advanced Materials</i> , 2018, 30, e1803095.	21.0	109
102	Measurement of complex optical susceptibility for individual carbon nanotubes by elliptically polarized light excitation. <i>Nature Communications</i> , 2018, 9, 3387.	12.8	18
103	Atomic-Scale Probing of Reversible Li Migration in 1T-V _{1-x} Se ₂ and the Interactions between Interstitial V and Li. <i>Nano Letters</i> , 2018, 18, 6094-6099.	9.1	18
104	Fano Interference between Bulk and Surface States of a Dirac Semimetal Cd ₃ As ₂ Nanowire. <i>Physical Review Letters</i> , 2018, 120, 257701.	7.8	23
105	Can a Black Phosphorus Schottky Barrier Transistor Be Good Enough?. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3959-3966.	8.0	70
106	Tiny protein detection using pressure through solid-state nanopores. <i>Electrophoresis</i> , 2017, 38, 1130-1138.	2.4	16
107	Electrical transport in nanothick ZrTe ₅ sheets: From three to two dimensions. <i>Physical Review B</i> , 2017, 95, .		
108	Electronic Coupling between Graphene and Topological Insulator Induced Anomalous Magnetotransport Properties. <i>ACS Nano</i> , 2017, 11, 6277-6285.	14.6	16

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109	Enhanced long-term stability of perovskite solar cells using a double-layer hole transport material. <i>Journal of Materials Chemistry A</i> , 2017, 5, 14881-14886.	10.3	34
110	Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency. <i>Advanced Materials</i> , 2017, 29, 1701580.	21.0	37
111	Possible absence of critical thickness and size effect in ultrathin perovskite ferroelectric films. <i>Nature Communications</i> , 2017, 8, 15549.	12.8	104
112	Magnetotransport properties near the Dirac point of Dirac semimetal Cd ₃ As ₂ nanowires. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 044003.	1.8	5
113	Label-Free Single-Molecule Thermoscopy Using a Laser-Heated Nanopore. <i>Nano Letters</i> , 2017, 17, 7067-7074.	9.1	37
114	Quiver-quenched optical-field-emission from carbon nanotubes. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	13
115	Spin-polarized surface state transport in a topological Kondo insulator SmB ₆ nanowire. <i>Physical Review B</i> , 2017, 95, .	3.2	9
116	Carbon Nanotubes: Carbon Nanotubes as an Ultrafast Emitter with a Narrow Energy Spread at Optical Frequency (<i>Adv. Mater.</i> 30/2017). <i>Advanced Materials</i> , 2017, 29, .	21.0	4
117	Light-Independent Ionic Transport in Inorganic Perovskite and Ultrastable Cs-Based Perovskite Solar Cells. <i>Journal of Physical Chemistry Letters</i> , 2017, 8, 4122-4128.	4.6	231
118	Monitoring Local Strain Vector in Atomic-Layered MoSe ₂ by Second-Harmonic Generation. <i>Nano Letters</i> , 2017, 17, 7539-7543.	9.1	128
119	Ultrabroadband spin-wave propagation in CoMn_2O_4 thin films. <i>Physical Review B</i> , 2017, 96, .	3.2	11
120	Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. <i>Science Bulletin</i> , 2017, 62, 1074-1080.	9.0	454
121	Gate-tuned Aharonov-Bohm interference of surface states in a quasiballistic Dirac semimetal nanowire. <i>Physical Review B</i> , 2017, 95, .	3.2	32
122	Mobile-Ion-Induced Degradation of Organic Hole-Selective Layers in Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2017, 121, 14517-14523.	3.1	117
123	Magnetic proximity effect in graphene coupled to a BiFeO_3 nanoplate. <i>Physical Review B</i> , 2017, 95, .	3.2	57
124	Interplay between topological surface states and superconductivity in SmB ₆ /NbN tunnel junctions. <i>Physical Review B</i> , 2017, 96, .	3.2	3
125	Suppressed hysteresis and improved stability in perovskite solar cells with conductive organic network. <i>Nano Energy</i> , 2016, 26, 139-147.	16.0	97
126	Gate-Tunable Tunneling Resistance in Graphene/Topological Insulator Vertical Junctions. <i>ACS Nano</i> , 2016, 10, 3816-3822.	14.6	33

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127	Performance Upper Limit of sub ≤ 10 nm Monolayer MoS ₂ Transistors. Advanced Electronic Materials, 2016, 2, 1600191.	5.1	97
128	Ultrafast growth of single-crystal graphene assisted by a continuous oxygen supply. Nature Nanotechnology, 2016, 11, 930-935.	31.5	330
129	Potentials and challenges towards application of perovskite solar cells. Science China Materials, 2016, 59, 769-778.	6.3	14
130	Intrinsic and membrane-facilitated β -synuclein oligomerization revealed by label-free detection through solid-state nanopores. Scientific Reports, 2016, 6, 20776.	3.3	62
131	Universal conductance fluctuations in Dirac semimetal $C_3d_3A_2s_2$ nanowires.	3.2	22
132	Thermoelectric signature of the chiral anomaly in Cd ₃ As ₂ . Nature Communications, 2016, 7, 13013.	12.8	78
133	Short-Wavelength Spin Waves in Yttrium Iron Garnet Micro-Channels on Silicon. IEEE Magnetics Letters, 2016, 7, 1-4.	1.1	13
134	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
135	Correlations between Immobilizing Ions and Suppressing Hysteresis in Perovskite Solar Cells. ACS Energy Letters, 2016, 1, 266-272.	17.4	118
136	Micro-scale hierarchical photoanode for quantum-dot-sensitized solar cells based on TiO ₂ nanowires. Frontiers of Optoelectronics, 2016, 9, 53-59.	3.7	1
137	Reversible Healing Effect of Water Molecules on Fully Crystallized Metal-Halide Perovskite Film. Journal of Physical Chemistry C, 2016, 120, 4759-4765.	3.1	55
138	Monolayer Phosphorene-Metal Contacts. Chemistry of Materials, 2016, 28, 2100-2109.	6.7	199
139	A polymer scaffold for self-healing perovskite solar cells. Nature Communications, 2016, 7, 10228.	12.8	532
140	Solid-state nanopore-based DNA single molecule detection and sequencing. Mikrochimica Acta, 2016, 183, 941-953.	5.0	32
141	Effect of impurity doping in gapped bilayer graphene. Applied Physics Letters, 2015, 107, 163104.	3.3	4
142	Vibrational spectroscopy at electrolyte/electrode interfaces with graphene gratings. Nature Communications, 2015, 6, 7593.	12.8	15
143	Probing surface hydrophobicity of individual protein at single-molecule resolution using solid-state nanopores. Science China Materials, 2015, 58, 455-466.	6.3	5
144	Strain Loading Mode Dependent Bandgap Deformation Potential in ZnO Micro/Nanowires. ACS Nano, 2015, 9, 11960-11967.	14.6	37

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145	Photovoltaic Effect and Evidence of Carrier Multiplication in Graphene Vertical Homojunctions with Asymmetrical Metal Contacts. ACS Nano, 2015, 9, 8851-8858.	14.6	19
146	Surface-Facet-Dependent Phonon Deformation Potential in Individual Strained Topological Insulator Bi ₂ Se ₃ Nanoribbons. ACS Nano, 2015, 9, 10244-10251.	14.6	23
147	All-Metallic Vertical Transistors Based on Stacked Dirac Materials. Advanced Functional Materials, 2015, 25, 68-77.	14.9	59
148	Outermost tensile strain dominated exciton emission in bending CdSe nanowires. Science China Materials, 2014, 57, 26-33.	6.3	7
149	Electronic and Mechanical Coupling in Elastically Bent ZnO Micro/Nanowires. Materials Research Society Symposia Proceedings, 2014, 1664, 1.	0.1	1
150	Elastically strained nanowires and atomic sheets. MRS Bulletin, 2014, 39, 157-162.	3.5	33
151	Large tunable linear magnetoresistance in gold nanoparticle decorated graphene. Applied Physics Letters, 2014, 105, 143103.	3.3	13
152	Hysteresis Analysis Based on the Ferroelectric Effect in Hybrid Perovskite Solar Cells. Journal of Physical Chemistry Letters, 2014, 5, 3937-3945.	4.6	329
153	Does the Dirac Cone Exist in Silicene on Metal Substrates?. Scientific Reports, 2014, 4, 5476.	3.3	92
154	Electrical and mechanical performance of graphene sheets exposed to oxidative environments. Nano Research, 2013, 6, 485-495.	10.4	41
155	Self healing of defected graphene. Applied Physics Letters, 2013, 102, .	3.3	105
156	Formation mechanism of homo-epitaxial morphology on ZnO (000 \pm 1) polar surfaces. CrystEngComm, 2013, 15, 4249.	2.6	3
157	Electrical and optical properties of single zigzag SnO ₂ nanobelts. CrystEngComm, 2013, 15, 2106.	2.6	29
158	Enhanced many-body effects in one-dimensional linear atomic chains. Physica Status Solidi (B): Basic Research, 2013, 250, 1636-1643.	1.5	7
159	Highly sensitive hot electron bolometer based on disordered graphene. Scientific Reports, 2013, 3, 3533.	3.3	64
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