

# Yong P Chen

## List of Publications by Year in descending order

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209  
papers

12,653  
citations

29994

54  
h-index

25716

108  
g-index

211  
all docs

211  
docs citations

211  
times ranked

17074  
citing authors

#	ARTICLE	IF	CITATIONS
1	Control and characterization of individual grains and grain boundaries in graphene grown by chemical vapour deposition. <i>Nature Materials</i> , 2011, 10, 443-449.	13.3	1,356
2	Graphene segregated on Ni surfaces and transferred to insulators. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	1,116
3	Thermal Conductivity and Thermal Rectification in Graphene Nanoribbons: A Molecular Dynamics Study. <i>Nano Letters</i> , 2009, 9, 2730-2735.	4.5	716
4	Polycrystalline graphene and other two-dimensional materials. <i>Nature Nanotechnology</i> , 2014, 9, 755-767.	15.6	408
5	Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. <i>Nature Physics</i> , 2014, 10, 956-963.	6.5	352
6	Electrically Tunable Damping of Plasmonic Resonances with Graphene. <i>Nano Letters</i> , 2012, 12, 5202-5206.	4.5	301
7	Rational Synthesis of Ultrathin n-Type Bi <sub>2</sub> Te <sub>3</sub> Nanowires with Enhanced Thermoelectric Properties. <i>Nano Letters</i> , 2012, 12, 56-60.	4.5	276
8	Wafer-scale synthesis of graphene by chemical vapor deposition and its application in hydrogen sensing. <i>Sensors and Actuators B: Chemical</i> , 2010, 150, 296-300.	4.0	226
9	Effect of oxygen plasma etching on graphene studied using Raman spectroscopy and electronic transport measurements. <i>New Journal of Physics</i> , 2011, 13, 025008.	1.2	211
10	Nontoxic and Abundant Copper Zinc Tin Sulfide Nanocrystals for Potential High-Temperature Thermoelectric Energy Harvesting. <i>Nano Letters</i> , 2012, 12, 540-545.	4.5	206
11	Ultrafast Surface Carrier Dynamics in the Topological Insulator Bi <sub>2</sub> Te <sub>3</sub> . <i>Nano Letters</i> , 2012, 12, 3532-3536.	4.5	200
12	Electrical Modulation of Fano Resonance in Plasmonic Nanostructures Using Graphene. <i>Nano Letters</i> , 2014, 14, 78-82.	4.5	200
13	Phonon Lateral Confinement Enables Thermal Rectification in Asymmetric Single-Material Nanostructures. <i>Nano Letters</i> , 2014, 14, 592-596.	4.5	191
14	Atomic force microscope local oxidation nanolithography of graphene. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	180
15	Growth of Single Crystal Graphene Arrays by Locally Controlling Nucleation on Polycrystalline Cu Using Chemical Vapor Deposition. <i>Advanced Materials</i> , 2011, 23, 4898-4903.	11.1	172
16	Electronic transport in chemical vapor deposited graphene synthesized on Cu: Quantum Hall effect and weak localization. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	160
17	Photocarrier generation from interlayer charge-transfer transitions in WS <sub>2</sub> -graphene heterostructures. <i>Science Advances</i> , 2018, 4, e1700324.	4.7	160
18	Effect of electron-beam irradiation on graphene field effect devices. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	154

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19	Quantized Hall Effect and Shubnikov-de Haas Oscillations in Highly Doped $\text{Bi}_2\text{Se}_3$ : Evidence for Layered Transport of Bulk Carriers. <i>Physical Review Letters</i> , 2012, 108, 216803.	2.9	150
20	Tunable Landau-Zener transitions in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2014, 90, .	1.0	148
21	Tuning the thermal conductivity of graphene nanoribbons by edge passivation and isotope engineering: A molecular dynamics study. <i>Applied Physics Letters</i> , 2010, 97, 133107.	1.5	146
22	Observation of Low Energy Raman Modes in Twisted Bilayer Graphene. <i>Nano Letters</i> , 2013, 13, 3594-3601.	4.5	137
23	Atomic-Scale Investigation of Graphene Grown on Cu Foil and the Effects of Thermal Annealing. <i>ACS Nano</i> , 2011, 5, 3607-3613.	7.3	134
24	Electronic properties of grains and grain boundaries in graphene grown by chemical vapor deposition. <i>Solid State Communications</i> , 2011, 151, 1100-1104.	0.9	119
25	Ultrafast carrier and phonon dynamics in $\text{Bi}_2\text{Se}_3$ crystals. <i>Applied Physics Letters</i> , 2010, 97, .	1.5	118
26	Design Principle of Telluride-Based Nanowire Heterostructures for Potential Thermoelectric Applications. <i>Nano Letters</i> , 2012, 12, 3627-3633.	4.5	117
27	Thermal Transport in Graphene Nanostructures: Experiments and Simulations. <i>ECS Transactions</i> , 2010, 28, 73-83.	0.3	110
28	Electrical injection and detection of spin-polarized currents in topological insulator $\text{Bi}_2\text{Te}_2\text{Se}$ . <i>Scientific Reports</i> , 2015, 5, 14293.	1.6	107
29	Enhanced Graphene Photodetector with Fractal Metasurface. <i>Nano Letters</i> , 2017, 17, 57-62.	4.5	106
30	Chemical sensing with switchable transport channels in graphene grain boundaries. <i>Nature Communications</i> , 2014, 5, 4911.	5.8	105
31	Thermal expansion coefficients of $\text{Bi}_2\text{Se}_3$ and $\text{Sb}_2\text{Te}_3$ crystals from 10 K to 270 K. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	104
32	Electrical and thermal conductivities of reduced graphene oxide/polystyrene composites. <i>Applied Physics Letters</i> , 2014, 104, .	1.5	103
33	Phase coherence and superfluid-insulator transition in a disordered Bose-Einstein condensate. <i>Physical Review A</i> , 2008, 77, .	1.0	101
34	Strong anomalous optical dispersion of graphene: complex refractive index measured by Picometry. <i>Optics Express</i> , 2008, 16, 22105.	1.7	99
35	Tuning a Schottky barrier in a photoexcited topological insulator with transient Dirac cone electron-hole asymmetry. <i>Nature Communications</i> , 2014, 5, 3003.	5.8	98
36	Magnetic field-induced helical mode and topological transitions in a topological insulator nanoribbon. <i>Nature Nanotechnology</i> , 2016, 11, 345-351.	15.6	93

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37	Direct Imaging of Graphene Edges: Atomic Structure and Electronic Scattering. Nano Letters, 2011, 11, 3663-3668.	4.5	86
38	Temperature dependence of Raman-active optical phonons in Bi <sub>2</sub> Se <sub>3</sub> and Sb <sub>2</sub> Te <sub>3</sub> . Applied Physics Letters, 2012, 100, .	1.5	85
39	Crystalline Nanojoining Silver Nanowire Percolated Networks on Flexible Substrate. ACS Nano, 2015, 9, 10018-10031.	7.3	84
40	Large-scale graphitic thin films synthesized on Ni and transferred to insulators: Structural and electronic properties. Journal of Applied Physics, 2010, 107, .	1.1	83
41	Modeling potentiometric measurements in topological insulators including parallel channels. Physical Review B, 2012, 86, .	1.1	80
42	Quantum transport of two-species Dirac fermions in dual-gated three-dimensional topological insulators. Nature Communications, 2016, 7, 11434.	5.8	78
43	High-Contrast Plasmonic-Enhanced Shallow Spin Defects in Hexagonal Boron Nitride for Quantum Sensing. Nano Letters, 2021, 21, 7708-7714.	4.5	78
44	Melting of a 2D quantum electron solid in high magnetic field. Nature Physics, 2006, 2, 452-455.	6.5	76
45	Structural properties of Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Se <sub>3</sub> topological insulators grown by molecular beam epitaxy on GaAs(001) substrates. Applied Physics Letters, 2011, 99, .	1.5	74
46	Microwave Resonance of the 2D Wigner Crystal around Integer Landau Fillings. Physical Review Letters, 2003, 91, 016801.	2.9	73
47	Graphene Induced Surface Reconstruction of Cu. Nano Letters, 2012, 12, 3893-3899.	4.5	73
48	Observation of current-induced, long-lived persistent spin polarization in a topological insulator: A rechargeable spin battery. Science Advances, 2017, 3, e1602531.	4.7	71
49	Topological insulator Bi <sub>2</sub> Te <sub>3</sub> films synthesized by metal organic chemical vapor deposition. Applied Physics Letters, 2012, 101, .	1.5	70
50	Gate-tunable and thickness-dependent electronic and thermoelectric transport in few-layer MoS <sub>2</sub> . Journal of Applied Physics, 2016, 120, .	1.1	66
51	Nonlinear thermal transport and negative differential thermal conductance in graphene nanoribbons. Applied Physics Letters, 2011, 99, .	1.5	63
52	Quantum and Classical Magnetoresistance in Ambipolar Topological Insulator Transistors with Gate-tunable Bulk and Surface Conduction. Scientific Reports, 2014, 4, 4859.	1.6	62
53	Topological insulator based spin valve devices: Evidence for spin polarized transport of spin-momentum-locked topological surface states. Solid State Communications, 2014, 191, 1-5.	0.9	59
54	High-Performance Thermal Interface Material Based on Few-Layer Graphene Composite. Journal of Physical Chemistry C, 2015, 119, 26753-26759.	1.5	56

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55	Enhancing the graphene photocurrent using surface plasmons and a p-n junction. <i>Light: Science and Applications</i> , 2020, 9, 126.	7.7	56
56	Position-dependent and millimetre-range photodetection in phototransistors with micrometre-scale graphene on SiC. <i>Nature Nanotechnology</i> , 2017, 12, 668-674.	15.6	55
57	Evidence for Two Different Solid Phases of Two-Dimensional Electrons in High Magnetic Fields. <i>Physical Review Letters</i> , 2004, 93, 206805.	2.9	52
58	Scanning gate microscopy on graphene: charge inhomogeneity and extrinsic doping. <i>Nanotechnology</i> , 2011, 22, 295705.	1.3	50
59	Use of graphene as protection film in biological environments. <i>Scientific Reports</i> , 2014, 4, 4097.	1.6	50
60	Tunable thermal transport and thermal rectification in strained graphene nanoribbons. <i>Physical Review B</i> , 2012, 85, .	1.1	49
61	Gate Tunable Relativistic Mass and Berry's phase in Topological Insulator Nanoribbon Field Effect Devices. <i>Scientific Reports</i> , 2015, 5, 8452.	1.6	48
62	Real-Space Imaging of the Tailored Plasmons in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2017, 119, 247402.	2.9	48
63	Nanoscale Strainability of Graphene by Laser Shock-Induced Three-Dimensional Shaping. <i>Nano Letters</i> , 2012, 12, 4577-4583.	4.5	47
64	Observation of reduced 1/f noise in graphene field effect transistors on boron nitride substrates. <i>Applied Physics Letters</i> , 2015, 107, .	1.5	47
65	Transport measurements in twisted bilayer graphene: Electron-phonon coupling and Landau level crossing. <i>Physical Review B</i> , 2018, 98, .	1.1	47
66	Mapping the 3D surface potential in Bi <sub>2</sub> Se <sub>3</sub> . <i>Nature Communications</i> , 2013, 4, 2277.	5.8	46
67	Structural and electronic properties of highly doped topological insulator Bi <sub>2</sub> Se <sub>3</sub> crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013, 7, 133-135.	1.2	45
68	Creating Quantum Emitters in Hexagonal Boron Nitride Deterministically on Chip-Compatible Substrates. <i>Nano Letters</i> , 2021, 21, 8182-8189.	4.5	45
69	Ambipolar graphene field effect transistors by local metal side gates. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	44
70	Evidence of a First-Order Phase Transition Between Wigner-Crystal and Bubble Phases of 2D Electrons in Higher Landau Levels. <i>Physical Review Letters</i> , 2004, 93, 176808.	2.9	43
71	Substrate Doping Effect and Unusually Large Angle van Hove Singularity Evolution in Twisted Bilayer Graphene. <i>Advanced Materials</i> , 2017, 29, 1606741.	11.1	43
72	Differentiation of Surface and Bulk Conductivities in Topological Insulators via Four-Probe Spectroscopy. <i>Nano Letters</i> , 2016, 16, 2213-2220.	4.5	41

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73	Plasmon resonance in multilayer graphene nanoribbons. Laser and Photonics Reviews, 2015, 9, 650-655.	4.4	39
74	Thermoelectric power of graphene as surface charge doping indicator. Applied Physics Letters, 2011, 99, .	1.5	35
75	Characterization of Bi <sub>2</sub> Te <sub>3</sub> and Bi <sub>2</sub> Se <sub>3</sub> topological insulators grown by MBE on (001) GaAs substrates. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2012, 30, .	0.6	35
76	Sign reversal of magnetoresistance in a perovskite nickelate by electron doping. Physical Review B, 2016, 94, .	1.1	35
77	Graphene Field-Effect Transistors on Undoped Semiconductor Substrates for Radiation Detection. IEEE Nanotechnology Magazine, 2012, 11, 581-587.	1.1	34
78	Detection of the Spin-Chemical Potential in Topological Insulators Using Spin-Polarized Four-Probe STM. Physical Review Letters, 2017, 119, 137202.	2.9	34
79	Quantum Hall effect on centimeter scale chemical vapor deposited graphene films. Applied Physics Letters, 2011, 99, 232110.	1.5	33
80	Folding and cracking of graphene oxide sheets upon deposition. Surface Science, 2011, 605, 1669-1675.	0.8	33
81	Strain-induced topological insulator phase transition in HgSe. Physical Review B, 2013, 87, .	1.1	33
82	Photoassociation of ultracold $\text{LiRb}$ Observation of high efficiency and unitarity-limited rate saturation. Physical Review A, 2014, 89, .	1.1	33
83	Robust Gapless Surface State and Rashba-Splitting Bands upon Surface Deposition of Magnetic Cr on Bi <sub>2</sub> /Se <sub>3</sub> . Nano Letters, 2015, 15, 2031-2036.	4.5	33
84	Observation of a Pinning Mode in a Wigner Solid with $\frac{1}{2}$ Quantum Hall Excitations. Physical Review Letters, 2010, 105, 126803.	2.9	32
85	Interfacial thermal conductance limit and thermal rectification across vertical carbon nanotube/graphene nanoribbon-silicon interfaces. Journal of Applied Physics, 2013, 113, 064311.	1.1	32
86	Room temperature device performance of electrodeposited InSb nanowire field effect transistors. Applied Physics Letters, 2011, 98, .	1.5	31
87	SYNTHETIC GRAPHENE GROWN BY CHEMICAL VAPOR DEPOSITION ON COPPER FOILS. International Journal of Modern Physics B, 2013, 27, 1341002.	1.0	30
88	Optimizing the efficiency of evaporative cooling in optical dipole traps. Physical Review A, 2013, 87, .	1.0	30
89	Highly sensitive transient absorption imaging of graphene and graphene oxide in living cells and circulating blood. Scientific Reports, 2015, 5, 12394.	1.6	30
90	Anomalous Low-Temperature Enhancement of Supercurrent in Topological-Insulator Nanoribbon Josephson Junctions: Evidence for Low-Energy Andreev Bound States. Physical Review Letters, 2019, 122, 047003.	2.9	30

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91	Measurement of In-Plane Thermal Conductivity of Ultrathin Films Using Micro-Raman Spectroscopy. Nanoscale and Microscale Thermophysical Engineering, 2014, 18, 183-193.	1.4	28
92	Flame speed enhancement of a nitrocellulose monopropellant using graphene microstructures. Journal of Applied Physics, 2016, 120, .	1.1	26
93	Ultrafast Surface State Spin-Carrier Dynamics in the Topological Insulator $\text{Bi}_2\text{Te}_3$ . Physical Review Letters, 2018, 121, 026807.	2.9	26
94	Time resolved ultrafast ARPES for the study of topological insulators: The case of $\text{Bi}_2\text{Te}_3$ . European Physical Journal: Special Topics, 2013, 222, 1271-1275.	1.2	25
95	Large Enhancement of Thermal Conductivity and Lorenz Number in Topological Insulator Thin Films. ACS Nano, 2018, 12, 1120-1127.	7.3	25
96	Wigner crystallization about $\nu=3$ . Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 104-107.	1.3	24
97	Molecular Dynamics Calculation of Thermal Conductivity of Graphene Nanoribbons. , 2009, , .		24
98	Laser spectroscopy of the $X^1\Sigma^+$ and $B^1\Pi$ states of the LiRb molecule. Chemical Physics Letters, 2011, 511, 7-11.	1.2	24
99	Reducing interfacial thermal resistance between metal and dielectric materials by a metal interlayer. Journal of Applied Physics, 2019, 125, .	1.1	24
100	Microwave resonance of the reentrant insulating quantum Hall phases in the first excited Landau level. Physical Review B, 2005, 71, .	1.1	23
101	Quantum Hall effect in monolayer-bilayer graphene planar junctions. Physical Review B, 2013, 88, .	1.1	23
102	Raman spectra and electron-phonon coupling in disordered graphene with gate-tunable doping. Journal of Applied Physics, 2014, 116, .	1.1	23
103	AFM and Raman studies of topological insulator materials subject to argon plasma etching. Philosophical Magazine, 2013, 93, 681-689.	0.7	22
104	Optical Phonons in Twisted Bilayer Graphene with Gate-Induced Asymmetric Doping. Nano Letters, 2015, 15, 1203-1210.	4.5	22
105	Communications: Entanglement switch for dipole arrays. Journal of Chemical Physics, 2010, 132, 121104.	1.2	21
106	Graphene rolls off the press. Nature Nanotechnology, 2010, 5, 559-560.	15.6	21
107	Pinning-Mode Resonance of a Skyrme Crystal near Landau-Level Filling Factor $\nu=1$ . Physical Review Letters, 2010, 104, 226801.	2.9	21
108	Production of ultracold ground-state LiRb molecules by photoassociation through a resonantly coupled state. Physical Review A, 2016, 94, .	1.0	21

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109	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. <i>2D Materials</i> , 2016, 3, 021009.	2.0	21
110	Parallel Nanoshaping of Brittle Semiconductor Nanowires for Strained Electronics. <i>Nano Letters</i> , 2016, 16, 7536-7544.	4.5	21
111	Gate-tunable supercurrent and multiple Andreev reflections in a superconductor-topological insulator nanoribbon-superconductor hybrid device. <i>Applied Physics Letters</i> , 2018, 112, .	1.5	21
112	Near-Field Imaging of Surface Plasmons from the Bulk and Surface State of Topological Insulator $\text{Bi}_2\text{Te}_3\text{Se}$ . <i>ACS Photonics</i> , 2019, 6, 2492-2498.	3.2	21
113	Spin current generation and relaxation in a quenched spin-orbit-coupled Bose-Einstein condensate. <i>Nature Communications</i> , 2019, 10, 375.	5.8	21
114	Towards the manipulation of topological states of matter: a perspective from electron transport. <i>Science Bulletin</i> , 2018, 63, 580-594.	4.3	20
115	Highly skewed current-phase relation in superconductor-topological insulator-superconductor Josephson junctions. <i>Npj Quantum Materials</i> , 2020, 5, .	1.8	20
116	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe. <i>Physical Review B</i> , 2015, 92, .	1.1	19
117	Formation of ultracold $7\text{Li}85\text{Rb}$ molecules in the lowest triplet electronic state by photoassociation and their detection by ionization spectroscopy. <i>Journal of Chemical Physics</i> , 2015, 142, 114310.	1.2	19
118	Tuning Insulator-Semimetal Transitions in 3D Topological Insulator thin Films by Intersurface Hybridization and In-Plane Magnetic Fields. <i>Physical Review Letters</i> , 2019, 123, 207701.	2.9	19
119	Pinning mode resonances of new phases of 2D electron systems in high magnetic fields. <i>Solid State Communications</i> , 2006, 140, 100-106.	0.9	18
120	Mode-hop-free tuning over 135 GHz of external cavity diode lasers without antireflection coating. <i>Applied Physics B: Lasers and Optics</i> , 2012, 106, 629-633.	1.1	18
121	Hysteretic response of chemical vapor deposition graphene field effect transistors on SiC substrates. <i>Applied Physics Letters</i> , 2013, 103, 053123.	1.5	18
122	Effects of magnetic dipole-dipole interactions in atomic Bose-Einstein condensates with tunable-wave interactions. <i>Physical Review A</i> , 2013, 88, .	1.0	18
123	Coulomb drag and counterflow Seebeck coefficient in bilayer-graphene double layers. <i>Nano Energy</i> , 2017, 40, 42-48.	8.2	18
124	Formation of ultracold LiRb molecules by photoassociation near the $\text{Li}(2^1S)$ state. <i>Physical Review Letters</i> , 2017, 118, 103001.	0.7	17
125	Molecular Dynamics Study of Thermal Rectification in Graphene Nanoribbons. <i>International Journal of Thermophysics</i> , 2012, 33, 986-991.	1.0	16
126	Differences in self-assembly of spherical C60 and planar PTCDA on rippled graphene surfaces. <i>Carbon</i> , 2019, 145, 549-555.	5.4	16

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127	Interspecies collision-induced losses in a dual species $^{7}\text{Li}^{\ominus}\text{ }^{85}\text{Rb}$ magneto-optical trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014, 47, 105301.	0.6	15
128	Position sensitivity of graphene field effect transistors to X-rays. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	15
129	Microscopic investigation of $\text{Bi}_{2-x}\text{Sb}_x\text{Te}_{3-y}\text{Se}_y$ systems: On the origin of a robust intrinsic topological insulator. <i>Journal of Physics and Chemistry of Solids</i> , 2019, 128, 251-257.	1.9	15
130	Pinning Modes and Interlayer Correlation in High-Magnetic-Field Bilayer Wigner Solids. <i>Physical Review Letters</i> , 2007, 99, 136804.	2.9	14
131	Topological insulator-based energy efficient devices. <i>Proceedings of SPIE</i> , 2012, , .	0.8	14
132	Electrodeposition of InSb branched nanowires: Controlled growth with structurally tailored properties. <i>Journal of Applied Physics</i> , 2014, 116, 083506.	1.1	14
133	Diversity of ultrafast hot-carrier-induced dynamics and striking sub-femtosecond hot-carrier scattering times in graphene. <i>Carbon</i> , 2014, 72, 402-409.	5.4	14
134	In-surface confinement of topological insulator nanowire surface states. <i>Applied Physics Letters</i> , 2015, 107, 121605.	1.5	14
135	Bose-Einstein Condensate on a Synthetic Topological Hall Cylinder. <i>PRX Quantum</i> , 2022, 3, .	3.5	14
136	Detection of ionizing radiation using graphene field effect transistors. , 2009, , .		13
137	Effect of Particle Size and Aggregation on Thermal Conductivity of Metal-Polymer Nanocomposite. <i>Journal of Heat Transfer</i> , 2017, 139, .	1.2	13
138	Graphene field effect transistor as a radiation and photodetector. , 2012, , .		11
139	Short-range photoassociation of LiRb. <i>Physical Review A</i> , 2016, 94, .	1.0	11
140	Stable emission and fast optical modulation of quantum emitters in boron nitride nanotubes. <i>Optics Letters</i> , 2018, 43, 3778.	1.7	11
141	Observation of Quantum Interference and Coherent Control in a Photochemical Reaction. <i>Physical Review Letters</i> , 2018, 121, 073202.	2.9	11
142	Existence of negative differential thermal conductance in one-dimensional diffusive thermal transport. <i>Physical Review E</i> , 2013, 87, 062104.	0.8	10
143	Formation of deeply bound ultracold LiRb molecules via photoassociation near the $\text{Li}^{\ominus}2\text{S}_{1/2}+\text{Rb}^{\ominus}5\text{P}_{3/2}$ asymptote. <i>Physical Review A</i> , 2014, 90, .	1.0	10
144	Observation of Coulomb repulsion between Cu intercalants in $\text{Cu}_x\text{Bi}_2\text{Se}_3$ . <i>Physical Review B</i> , 2014, 89, .	1.1	10

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145	Two-photon photoassociation spectroscopy of an ultracold heteronuclear molecule. Physical Review A, 2017, 95, .	1.0	10
146	Unequal layer densities in bilayer Wigner crystal at high magnetic fields. Physical Review B, 2012, 85, .	1.1	9
147	Stueckelberg interferometry using periodically driven spin-orbit-coupled Bose-Einstein condensates. Physical Review A, 2017, 95, .	1.0	9
148	On the understanding of current-induced spin polarization of three-dimensional topological insulators. Nature Communications, 2019, 10, 1461.	5.8	9
149	Epitaxial growth of monolayer PdTe <sub>2</sub> and patterned PtTe <sub>2</sub> by direct tellurization of Pd and Pt surfaces. 2D Materials, 2021, 8, 045033.	2.0	9
150	Compressive mechanical response of graphene foams and their thermal resistance with copper interfaces. APL Materials, 2017, 5, .	2.2	8
151	Opposite current-induced spin polarizations in bulk-metallic $\text{Bi}_2$ and bulk-insulating $\text{Bi}_2$ . Physical Review B, 2021, 103, .	1.1	8
152	Electric field control of interaction between magnons and quantum spin defects. Physical Review Research, 2022, 4, .	1.3	8
153	Graphene field effect transistors for detection of ionizing radiation. , 2010, , .		7
154	Modulation of graphene field effect by heavy charged particle irradiation. Applied Physics Letters, 2016, 109, .	1.5	7
155	Deep tuning of photo-thermoelectricity in topological surface states. Scientific Reports, 2020, 10, 16761.	1.6	7
156	Visible light biophotosensors using biliverdin from <i>Antheraea yamamai</i> . Optics Express, 2018, 26, 31817.	1.7	7
157	Pinned bilayer Wigner crystals with pseudospin magnetism. Physical Review B, 2006, 73, .	1.1	6
158	Experimental studies of Bose-Einstein condensates in disorder. Physica D: Nonlinear Phenomena, 2009, 238, 1321-1325.	1.3	6
159	Substrate-Induced Photofield Effect in Graphene Phototransistors. IEEE Transactions on Electron Devices, 2015, 62, 3734-3741.	1.6	6
160	Absence of coupled thermal interfaces in Al <sub>2</sub> O <sub>3</sub> /Ni/Al <sub>2</sub> O <sub>3</sub> sandwich structure. Applied Physics Letters, 2017, 111, .	1.5	6
161	Photoelectric Silk via Genetic Encoding and Bioassisted Plasmonics. Advanced Biology, 2020, 4, e2000040.	3.0	6
162	Measurements of the temperature dependence of the bubble phase. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 119-121.	1.3	5

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163	Effect of Energetic Electron Irradiation on Graphene. , 2009, , .		5
164	Cross-sectional transmission electron microscopy of thin graphite films grown by chemical vapor deposition. Diamond and Related Materials, 2010, 19, 143-146.	1.8	5
165	Effect of energetic electron irradiation on graphene and graphene field-effect transistors. Proceedings of SPIE, 2011, , .	0.8	5
166	Quantum defect theory description of weakly bound levels and Feshbach resonances in LiRb. New Journal of Physics, 2015, 17, 045021.	1.2	5
167	Gate field effects on the topological insulator BiSbTeSe <sub>2</sub> interface. Applied Physics Letters, 2020, 116, 031601.	1.5	5
168	MICROWAVE RESONANCE STUDY OF MELTING IN HIGH MAGNETIC FIELD WIGNER SOLID. International Journal of Modern Physics B, 2007, 21, 1379-1385.	1.0	4
169	Graphene: Growth of Single Crystal Graphene Arrays by Locally Controlling Nucleation on Polycrystalline Cu Using Chemical Vapor Deposition (Adv. Mater. 42/2011). Advanced Materials, 2011, 23, 4897-4897.	11.1	4
170	Electrically Tunable Plasmonic Resonances with Graphene. , 2012, , .		4
171	C <sup>1</sup> Σ <sup>+</sup> , A <sup>1</sup> Σ <sup>+</sup> , and b <sup>3</sup> Π <sup>0</sup> + states of LiRb. Physical Review A, 2016, 94, .	1.0	4
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