

Yong P Chen

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

189
papers

10,574
citations

50
h-index

99
g-index

211
ext. papers

11,757
ext. citations

6.5
avg, IF

6.28
L-index

#	Paper	IF	Citations
189	Bose-Einstein Condensate on a Synthetic Topological Hall Cylinder. <i>PRX Quantum</i> , 2022 , 3,	6.1	1
188	Quantum transport study in three-dimensional topological insulator BiSbTeSe ₂ . <i>Semiconductors and Semimetals</i> , 2021 , 108, 73-124	0.6	
187	Electrical and superconducting transport in topological insulator nanoribbons. <i>Frontiers of Nanoscience</i> , 2021 , 20, 241-264	0.7	
186	Creating Quantum Emitters in Hexagonal Boron Nitride Deterministically on Chip-Compatible Substrates. <i>Nano Letters</i> , 2021 , 21, 8182-8189	11.5	6
185	Mobility spectrum analysis on three-dimensional topological insulator BiSbTeSe ₂ . <i>Applied Physics Letters</i> , 2021 , 118, 253107	3.4	0
184	Opposite current-induced spin polarizations in bulk-metallic Bi ₂ Se ₃ and bulk-insulating Bi ₂ Te ₂ Se topological insulator thin flakes. <i>Physical Review B</i> , 2021 , 103,	3.3	2
183	High-Contrast Plasmonic-Enhanced Shallow Spin Defects in Hexagonal Boron Nitride for Quantum Sensing. <i>Nano Letters</i> , 2021 , 21, 7708-7714	11.5	9
182	Spin-momentum entanglement in a Bose-Einstein condensate. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 25669-25674	3.6	0
181	Photoelectric Silk via Genetic Encoding and Bioassisted Plasmonics. <i>Advanced Biology</i> , 2020 , 4, e2000040,	3.5	3
180	Gate field effects on the topological insulator BiSbTeSe ₂ interface. <i>Applied Physics Letters</i> , 2020 , 116, 031601	3.4	4
179	Highly skewed current-phase relation in superconductor-topological insulator-superconductor Josephson junctions. <i>Npj Quantum Materials</i> , 2020 , 5,	5	3
178	Thermoelectric transport in coupled double layers with interlayer excitons and exciton condensation. <i>Physical Review B</i> , 2020 , 102, 235304	3.3	1
177	Enhancing the graphene photocurrent using surface plasmons and a p-n junction. <i>Light: Science and Applications</i> , 2020 , 9, 126	16.7	24
176	Deep tuning of photo-thermoelectricity in topological surface states. <i>Scientific Reports</i> , 2020 , 10, 16761	4.9	2
175	Near-Field Imaging of Surface Plasmons from the Bulk and Surface State of Topological Insulator Bi ₂ Te ₂ Se. <i>ACS Photonics</i> , 2019 , 6, 2492-2498	6.3	11
174	Differences in self-assembly of spherical C ₆₀ and planar PTCDA on rippled graphene surfaces. <i>Carbon</i> , 2019 , 145, 549-555	10.4	6
173	Reducing interfacial thermal resistance between metal and dielectric materials by a metal interlayer. <i>Journal of Applied Physics</i> , 2019 , 125, 045302	2.5	17

172	Spin current generation and relaxation in a quenched spin-orbit-coupled Bose-Einstein condensate. <i>Nature Communications</i> , 2019 , 10, 375	17.4	11
171	Anomalous Low-Temperature Enhancement of Supercurrent in Topological-Insulator Nanoribbon Josephson Junctions: Evidence for Low-Energy Andreev Bound States. <i>Physical Review Letters</i> , 2019 , 122, 047003	7.4	18
170	On the understanding of current-induced spin polarization of three-dimensional topological insulators. <i>Nature Communications</i> , 2019 , 10, 1461	17.4	7
169	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	7.4	9
168	Microscopic investigation of Bi _{2-x} Sb _x Te _{3-y} 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	3.9	9
167	Towards the manipulation of topological states of matter: a perspective from electron transport. <i>Science Bulletin</i> , 2018 , 63, 580-594	10.6	13
166	Photocarrier generation from interlayer charge-transfer transitions in WS ₂ -graphene heterostructures. <i>Science Advances</i> , 2018 , 4, e1700324	14.3	115
165	Large Enhancement of Thermal Conductivity and Lorenz Number in Topological Insulator Thin Films. <i>ACS Nano</i> , 2018 , 12, 1120-1127	16.7	22
164	Gate-tunable supercurrent and multiple Andreev reflections in a superconductor-topological insulator nanoribbon-superconductor hybrid device. <i>Applied Physics Letters</i> , 2018 , 112, 093105	3.4	16
163	Stable emission and fast optical modulation of quantum emitters in boron nitride nanotubes. <i>Optics Letters</i> , 2018 , 43, 3778-3781	3	8
162	Transport measurements in twisted bilayer graphene: Electron-phonon coupling and Landau level crossing. <i>Physical Review B</i> , 2018 , 98,	3.3	32
161	Ultrafast Surface State Spin-Carrier Dynamics in the Topological Insulator Bi ₂ Te ₂ Se. <i>Physical Review Letters</i> , 2018 , 121, 026807	7.4	19
160	Observation of Quantum Interference and Coherent Control in a Photochemical Reaction. <i>Physical Review Letters</i> , 2018 , 121, 073202	7.4	8
159	Visible light biophotosensors using biliverdin from <i>Antheraea yamamai</i> . <i>Optics Express</i> , 2018 , 26, 31817-31828	3.5	4
158	Effect of Particle Size and Aggregation on Thermal Conductivity of Metal-Polymer Nanocomposite. <i>Journal of Heat Transfer</i> , 2017 , 139,	1.8	12
157	Two-photon photoassociation spectroscopy of an ultracold heteronuclear molecule. <i>Physical Review A</i> , 2017 , 95,	2.6	9
156	Position-dependent and millimetre-range photodetection in phototransistors with micrometre-scale graphene on SiC. <i>Nature Nanotechnology</i> , 2017 , 12, 668-674	28.7	40
155	Observation of current-induced, long-lived persistent spin polarization in a topological insulator: A rechargeable spin battery. <i>Science Advances</i> , 2017 , 3, e1602531	14.3	48

154	Substrate Doping Effect and Unusually Large Angle van Hove Singularity Evolution in Twisted Bi- and Multilayer Graphene. <i>Advanced Materials</i> , 2017 , 29, 1606741	24	29
153	Compressive mechanical response of graphene foams and their thermal resistance with copper interfaces. <i>APL Materials</i> , 2017 , 5, 036102	5.7	7
152	Enhanced Graphene Photodetector with Fractal Metasurface. <i>Nano Letters</i> , 2017 , 17, 57-62	11.5	84
151	Absence of coupled thermal interfaces in Al ₂ O ₃ /Ni/Al ₂ O ₃ sandwich structure. <i>Applied Physics Letters</i> , 2017 , 111, 143102	3.4	5
150	Detection of the Spin-Chemical Potential in Topological Insulators Using Spin-Polarized Four-Probe STM. <i>Physical Review Letters</i> , 2017 , 119, 137202	7.4	27
149	Coulomb drag and counterflow Seebeck coefficient in bilayer-graphene double layers. <i>Nano Energy</i> , 2017 , 40, 42-48	17.1	13
148	Stueckelberg interferometry using periodically driven spin-orbit-coupled Bose-Einstein condensates. <i>Physical Review A</i> , 2017 , 95,	2.6	6
147	Real-Space Imaging of the Tailored Plasmons in Twisted Bilayer Graphene. <i>Physical Review Letters</i> , 2017 , 119, 247402	7.4	35
146	Quantum transport of two-species Dirac fermions in dual-gated three-dimensional topological insulators. <i>Nature Communications</i> , 2016 , 7, 11434	17.4	63
145	Parallel Nanoshaping of Brittle Semiconductor Nanowires for Strained Electronics. <i>Nano Letters</i> , 2016 , 16, 7536-7544	11.5	15
144	Magnetic field-induced helical mode and topological transitions in a topological insulator nanoribbon. <i>Nature Nanotechnology</i> , 2016 , 11, 345-51	28.7	73
143	Differentiation of Surface and Bulk Conductivities in Topological Insulators via Four-Probe Spectroscopy. <i>Nano Letters</i> , 2016 , 16, 2213-20	11.5	36
142	Differentiation of Surface and Bulk Conductivities via Four-probe Spectroscopy. <i>Microscopy and Microanalysis</i> , 2016 , 22, 384-385	0.5	
141	Gate-tunable and thickness-dependent electronic and thermoelectric transport in few-layer MoS ₂ . <i>Journal of Applied Physics</i> , 2016 , 120, 134305	2.5	46
140	Sign reversal of magnetoresistance in a perovskite nickelate by electron doping. <i>Physical Review B</i> , 2016 , 94,	3.3	24
139	C ¹ Σ ⁺ , A ¹ Σ ⁺ , and b ³ Σ ⁺ states of LiRb. <i>Physical Review A</i> , 2016 , 94,	2.6	4
138	Short-range photoassociation of LiRb. <i>Physical Review A</i> , 2016 , 94,	2.6	8
137	Production of ultracold ground-state LiRb molecules by photoassociation through a resonantly coupled state. <i>Physical Review A</i> , 2016 , 94,	2.6	18

136	Modulation of graphene field effect by heavy charged particle irradiation. <i>Applied Physics Letters</i> , 2016 , 109, 253501	3.4	6
135	Flame speed enhancement of a nitrocellulose monopropellant using graphene microstructures. <i>Journal of Applied Physics</i> , 2016 , 120, 174902	2.5	19
134	The d _{3/2} state of LiRb. <i>Journal of Chemical Physics</i> , 2016 , 145, 224301	3.9	2
133	Experimental observation of two massless Dirac-fermion gases in graphene-topological insulator heterostructure. <i>2D Materials</i> , 2016 , 3, 021009	5.9	19
132	Robust gapless surface state and Rashba-splitting bands upon surface deposition of magnetic Cr on Bi ₂ Se ₃ . <i>Nano Letters</i> , 2015 , 15, 2031-6	11.5	27
131	Highly sensitive transient absorption imaging of graphene and graphene oxide in living cells and circulating blood. <i>Scientific Reports</i> , 2015 , 5, 12394	4.9	28
130	Position sensitivity of graphene field effect transistors to X-rays. <i>Applied Physics Letters</i> , 2015 , 106, 223504	3.4	10
129	Quantum defect theory description of weakly bound levels and Feshbach resonances in LiRb. <i>New Journal of Physics</i> , 2015 , 17, 045021	2.9	4
128	Formation of ultracold (7)Li(85)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	3.9	17
127	Crystalline Nanojoining Silver Nanowire Percolated Networks on Flexible Substrate. <i>ACS Nano</i> , 2015 , 9, 10018-31	16.7	71
126	. <i>IEEE Transactions on Electron Devices</i> , 2015 , 62, 3734-3741	2.9	4
125	Electrical injection and detection of spin-polarized currents in topological insulator Bi ₂ Te ₂ Se. <i>Scientific Reports</i> , 2015 , 5, 14293	4.9	89
124	Tunable spin helical Dirac quasiparticles on the surface of three-dimensional HgTe. <i>Physical Review B</i> , 2015 , 92,	3.3	16
123	Gate tunable relativistic mass and Berry π phase in topological insulator nanoribbon field effect devices. <i>Scientific Reports</i> , 2015 , 5, 8452	4.9	35
122	Observation of reduced 1/f noise in graphene field effect transistors on boron nitride substrates. <i>Applied Physics Letters</i> , 2015 , 107, 113101	3.4	41
121	In-surface confinement of topological insulator nanowire surface states. <i>Applied Physics Letters</i> , 2015 , 107, 121605	3.4	13
120	Plasmon resonance in multilayer graphene nanoribbons. <i>Laser and Photonics Reviews</i> , 2015 , 9, 650-655	8.3	31
119	High-Performance Thermal Interface Material Based on Few-Layer Graphene Composite. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 26753-26759	3.8	44

118	Optical phonons in twisted bilayer graphene with gate-induced asymmetric doping. <i>Nano Letters</i> , 2015 , 15, 1203-10	11.5	18
117	Quantum and classical magnetoresistance in ambipolar topological insulator transistors with gate-tunable bulk and surface conduction. <i>Scientific Reports</i> , 2014 , 4, 4859	4.9	52
116	Use of graphene as protection film in biological environments. <i>Scientific Reports</i> , 2014 , 4, 4097	4.9	40
115	Phonon lateral confinement enables thermal rectification in asymmetric single-material nanostructures. <i>Nano Letters</i> , 2014 , 14, 592-6	11.5	153
114	Electrical modulation of fano resonance in plasmonic nanostructures using graphene. <i>Nano Letters</i> , 2014 , 14, 78-82	11.5	165
113	Tuning a Schottky barrier in a photoexcited topological insulator with transient Dirac cone electron-hole asymmetry. <i>Nature Communications</i> , 2014 , 5, 3003	17.4	85
112	Measurement of In-Plane Thermal Conductivity of Ultrathin Films Using Micro-Raman Spectroscopy. <i>Nanoscale and Microscale Thermophysical Engineering</i> , 2014 , 18, 183-193	3.7	25
111	Observation of topological surface state quantum Hall effect in an intrinsic three-dimensional topological insulator. <i>Nature Physics</i> , 2014 , 10, 956-963	16.2	271
110	Gate tunable MoS ₂ -based thermoelectric devices 2014 ,		1
109	Photoassociation of ultracold LiRb* molecules: Observation of high efficiency and unitarity-limited rate saturation. <i>Physical Review A</i> , 2014 , 89,	2.6	29
108	Polycrystalline graphene and other two-dimensional materials. <i>Nature Nanotechnology</i> , 2014 , 9, 755-67	28.7	338
107	Chemical sensing with switchable transport channels in graphene grain boundaries. <i>Nature Communications</i> , 2014 , 5, 4911	17.4	87
106	Diversity of ultrafast hot-carrier-induced dynamics and striking sub-femtosecond hot-carrier scattering times in graphene. <i>Carbon</i> , 2014 , 72, 402-409	10.4	12
105	Raman spectra and electron-phonon coupling in disordered graphene with gate-tunable doping. <i>Journal of Applied Physics</i> , 2014 , 116, 233101	2.5	21
104	Formation of deeply bound ultracold LiRb molecules via photoassociation near the Li 2S _{1/2} +Rb 5P _{3/2} asymptote. <i>Physical Review A</i> , 2014 , 90,	2.6	10
103	Electrodeposition of InSb branched nanowires: Controlled growth with structurally tailored properties. <i>Journal of Applied Physics</i> , 2014 , 116, 083506	2.5	11
102	Observation of Coulomb repulsion between Cu intercalants in Cu _x Bi ₂ Se ₃ . <i>Physical Review B</i> , 2014 , 89,	3.3	8
101	Electrical and thermal conductivities of reduced graphene oxide/polystyrene composites. <i>Applied Physics Letters</i> , 2014 , 104, 113101	3.4	91

100	Tunable Landau-Zener transitions in a spin-orbit-coupled Bose-Einstein condensate. <i>Physical Review A</i> , 2014 , 90,	2.6	124
99	Interspecies collision-induced losses in a dual species $^7\text{Li}^85\text{Rb}$ magneto-optical trap. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2014 , 47, 105301	1.3	11
98	Topological insulator based spin valve devices: Evidence for spin polarized transport of spin-momentum-locked topological surface states. <i>Solid State Communications</i> , 2014 , 191, 1-5	1.6	51
97	Observation of low energy Raman modes in twisted bilayer graphene. <i>Nano Letters</i> , 2013 , 13, 3594-601	11.5	111
96	Mapping the 3D surface potential in Bi_2Se_3 . <i>Nature Communications</i> , 2013 , 4, 2277	17.4	43
95	Quantum Hall effect in monolayer-bilayer graphene planar junctions. <i>Physical Review B</i> , 2013 , 88,	3.3	21
94	Time resolved ultrafast ARPES for the study of topological insulators: The case of Bi_2Te_3 . <i>European Physical Journal: Special Topics</i> , 2013 , 222, 1271-1275	2.3	18
93	MBE Growth of Thin Hexagonal Films Bi_2Te_3 , Bi_2Se_3 , and Their Alloys on Cubic GaAs (001) Substrates. <i>Springer Series in Materials Science</i> , 2013 , 263-279	0.9	0
92	Structural and electronic properties of highly doped topological insulator Bi_2Se_3 crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , 2013 , 7, 133-135	2.5	34
91	Strain-induced topological insulator phase transition in HgSe. <i>Physical Review B</i> , 2013 , 87,	3.3	30
90	AFM and Raman studies of topological insulator materials subject to argon plasma etching. <i>Philosophical Magazine</i> , 2013 , 93, 681-689	1.6	19
89	Interfacial thermal conductance limit and thermal rectification across vertical carbon nanotube/graphene nanoribbon-silicon interfaces. <i>Journal of Applied Physics</i> , 2013 , 113, 064311	2.5	29
88	Existence of negative differential thermal conductance in one-dimensional diffusive thermal transport. <i>Physical Review E</i> , 2013 , 87, 062104	2.4	8
87	SYNTHETIC GRAPHENE GROWN BY CHEMICAL VAPOR DEPOSITION ON COPPER FOILS. <i>International Journal of Modern Physics B</i> , 2013 , 27, 1341002	1.1	26
86	Hysteretic response of chemical vapor deposition graphene field effect transistors on SiC substrates. <i>Applied Physics Letters</i> , 2013 , 103, 053123	3.4	14
85	Thermal Conductivity Measurement of Graphene Composite. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1456, 57		3
84	Thermoelectric transport in topological insulator $\text{Bi}_2\text{Te}_2\text{Se}$ bulk crystals. <i>Materials Research Society Symposia Proceedings</i> , 2013 , 1543, 9-12		
83	Detection of light, X-rays, and gamma rays using graphene field effect transistors fabricated on SiC, CdTe, and AlGaAs/GaAs substrates 2013 ,		1

82	Optimizing the efficiency of evaporative cooling in optical dipole traps. <i>Physical Review A</i> , 2013 , 87,	2.6	23
81	Effects of magnetic dipole-dipole interactions in atomic Bose-Einstein condensates with tunable s-wave interactions. <i>Physical Review A</i> , 2013 , 88,	2.6	16
80	Formation of ultracold LiRb molecules by photoassociation near the Li(2 s 2 S 1/2) + Rb(5 p 2 P 1/2) asymptote. <i>Europhysics Letters</i> , 2013 , 104, 63001	1.6	16
79	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	1.9	13
78	Rational synthesis of ultrathin n-type Bi ₂ Te ₃ nanowires with enhanced thermoelectric properties. <i>Nano Letters</i> , 2012 , 12, 56-60	11.5	245
77	Design principle of telluride-based nanowire heterostructures for potential thermoelectric applications. <i>Nano Letters</i> , 2012 , 12, 3627-33	11.5	99
76	Ultrafast surface carrier dynamics in the topological insulator Bi ₂ Te ₃ . <i>Nano Letters</i> , 2012 , 12, 3532-6	11.5	165
75	Nontoxic and abundant copper zinc tin sulfide nanocrystals for potential high-temperature thermoelectric energy harvesting. <i>Nano Letters</i> , 2012 , 12, 540-5	11.5	192
74	Temperature dependence of Raman-active optical phonons in Bi ₂ Se ₃ and Sb ₂ Te ₃ . <i>Applied Physics Letters</i> , 2012 , 100, 071907	3.4	74
73	Graphene field effect transistor as a radiation and photodetector 2012 ,		7
72	Topological insulator-based energy efficient devices 2012 ,		11
71	Nanoscale strainability of graphene by laser shock-induced three-dimensional shaping. <i>Nano Letters</i> , 2012 , 12, 4577-83	11.5	43
70	Characterization of Bi ₂ Te ₃ and Bi ₂ Se ₃ topological insulators grown by MBE on (001) GaAs substrates. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2012 , 30, 02B103	1.3	30
69	Design and simulation of a graphene DEPFET detector 2012 ,		1
68	Electrically tunable damping of plasmonic resonances with graphene. <i>Nano Letters</i> , 2012 , 12, 5202-6	11.5	260
67	Graphene induced surface reconstruction of Cu. <i>Nano Letters</i> , 2012 , 12, 3893-9	11.5	62
66	Quantized Hall effect and Shubnikov-de Haas oscillations in highly doped Bi ₂ Se ₃ : evidence for layered transport of bulk carriers. <i>Physical Review Letters</i> , 2012 , 108, 216803	7.4	132
65	Graphene Field-Effect Transistors on Undoped Semiconductor Substrates for Radiation Detection. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 581-587	2.6	26

64	Tunable thermal transport and thermal rectification in strained graphene nanoribbons. <i>Physical Review B</i> , 2012 , 85,	3.3	43
63	Molecular Dynamics Study of Thermal Rectification in Graphene Nanoribbons. <i>International Journal of Thermophysics</i> , 2012 , 33, 986-991	2.1	8
62	Electrically Tunable Plasmonic Resonances with Graphene 2012 ,		3
61	Topological insulator Bi ₂ Te ₃ films synthesized by metal organic chemical vapor deposition. <i>Applied Physics Letters</i> , 2012 , 101, 162104	3.4	64
60	Unequal layer densities in bilayer Wigner crystal at high magnetic fields. <i>Physical Review B</i> , 2012 , 85,	3.3	7
59	Modeling potentiometric measurements in topological insulators including parallel channels. <i>Physical Review B</i> , 2012 , 86,	3.3	68
58	Atomic-scale investigation of graphene grown on Cu foil and the effects of thermal annealing. <i>ACS Nano</i> , 2011 , 5, 3607-13	16.7	125
57	Quantum Hall effect on centimeter scale chemical vapor deposited graphene films. <i>Applied Physics Letters</i> , 2011 , 99, 232110	3.4	31
56	Effect of oxygen plasma etching on graphene studied using Raman spectroscopy and electronic transport measurements. <i>New Journal of Physics</i> , 2011 , 13, 025008	2.9	163
55	Thermoelectric power of graphene as surface charge doping indicator. <i>Applied Physics Letters</i> , 2011 , 99, 013115	3.4	31
54	Growth of single crystal graphene arrays by locally controlling nucleation on polycrystalline Cu using chemical vapor deposition. <i>Advanced Materials</i> , 2011 , 23, 4898-903	24	154
53	Thermal Rectification in Graphene and Carbon Nanotube Systems Using Molecular Dynamics Simulations 2011 ,		1
52	Control and characterization of individual grains and grain boundaries in graphene grown by chemical vapour deposition. <i>Nature Materials</i> , 2011 , 10, 443-9	27	1216
51	Direct imaging of graphene edges: atomic structure and electronic scattering. <i>Nano Letters</i> , 2011 , 11, 3663-8	11.5	82
50	Laser spectroscopy of the X ¹ Σ^+ and B ¹ Σ^+ states of the LiRb molecule. <i>Chemical Physics Letters</i> , 2011 , 511, 7-11	2.5	22
49	Graphene: Growth of Single Crystal Graphene Arrays by Locally Controlling Nucleation on Polycrystalline Cu Using Chemical Vapor Deposition (Adv. Mater. 42/2011). <i>Advanced Materials</i> , 2011 , 23, 4897-4897	24	4
48	Structural properties of Bi ₂ Te ₃ and Bi ₂ Se ₃ topological insulators grown by molecular beam epitaxy on GaAs(001) substrates. <i>Applied Physics Letters</i> , 2011 , 99, 171903	3.4	67
47	Electronic properties of grains and grain boundaries in graphene grown by chemical vapor deposition. <i>Solid State Communications</i> , 2011 , 151, 1100-1104	1.6	107

46	Folding and cracking of graphene oxide sheets upon deposition. <i>Surface Science</i> , 2011 , 605, 1669-1675	1.8	26
45	Room temperature device performance of electrodeposited InSb nanowire field effect transistors. <i>Applied Physics Letters</i> , 2011 , 98, 243504	3-4	29
44	Scanning gate microscopy on graphene: charge inhomogeneity and extrinsic doping. <i>Nanotechnology</i> , 2011 , 22, 295705	3-4	42
43	Nonlinear thermal transport and negative differential thermal conductance in graphene nanoribbons. <i>Applied Physics Letters</i> , 2011 , 99, 113101	3-4	52
42	Thermal expansion coefficients of Bi ₂ Se ₃ and Sb ₂ Te ₃ crystals from 10 K to 270 K. <i>Applied Physics Letters</i> , 2011 , 99, 261912	3-4	84
41	Effect of energetic electron irradiation on graphene and graphene field-effect transistors 2011 ,		4
40	Large-scale graphitic thin films synthesized on Ni and transferred to insulators: Structural and electronic properties. <i>Journal of Applied Physics</i> , 2010 , 107, 044310	2-5	77
39	Observation of a pinning mode in a Wigner solid with $\nu=1/3$ fractional quantum Hall excitations. <i>Physical Review Letters</i> , 2010 , 105, 126803	7-4	29
38	Pinning-mode resonance of a Skyrme crystal near Landau-level filling factor $\nu=1$. <i>Physical Review Letters</i> , 2010 , 104, 226801	7-4	17
37	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	3-4	134
36	Effect of electron-beam irradiation on graphene field effect devices. <i>Applied Physics Letters</i> , 2010 , 97, 173109	3-4	126
35	Ambipolar graphene field effect transistors by local metal side gates. <i>Applied Physics Letters</i> , 2010 , 96, 263110	3-4	42
34	Thermal Transport in Graphene Nanostructures: Experiments and Simulations. <i>ECS Transactions</i> , 2010 , 28, 73-83	1	93
33	Cross-sectional transmission electron microscopy of thin graphite films grown by chemical vapor deposition. <i>Diamond and Related Materials</i> , 2010 , 19, 143-146	3-5	5
32	Ultrafast carrier and phonon dynamics in Bi ₂ Se ₃ crystals. <i>Applied Physics Letters</i> , 2010 , 97, 182102	3-4	106
31	Electronic transport in chemical vapor deposited graphene synthesized on Cu: Quantum Hall effect and weak localization. <i>Applied Physics Letters</i> , 2010 , 96, 122106	3-4	145
30	Graphene field effect transistors for detection of ionizing radiation 2010 ,		1
29	Electrodeposition of Indium Antimonide Nanowires in Porous Anodic Alumina Membranes 2010 ,		1

28	Communications: Entanglement switch for dipole arrays. <i>Journal of Chemical Physics</i> , 2010 , 132, 121104	3.9	17
27	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	8.5	202
26	PINNING MODES OF THE STRIPE PHASES OF 2D ELECTRON SYSTEMS IN HIGHER LANDAU LEVELS. <i>International Journal of Modern Physics B</i> , 2009 , 23, 2628-2633	1.1	
25	Towards NEMS Fluid Sensors Based on Suspended Nanomaterials. <i>Materials Research Society Symposia Proceedings</i> , 2009 , 1222, 1		
24	Surface Microscopy Characterizations of Large Size Graphene Films Grown by Surface Segregation on Ni and Transferred to Si/SiO ₂ Substrate. <i>ECS Transactions</i> , 2009 , 19, 75-80	1	2
23	Molecular Dynamics Calculation of Thermal Conductivity of Graphene Nanoribbons 2009 ,		20
22	Experimental studies of Bose-Einstein condensates in disorder. <i>Physica D: Nonlinear Phenomena</i> , 2009 , 238, 1321-1325	3.3	5
21	Thermal conductivity and thermal rectification in graphene nanoribbons: a molecular dynamics study. <i>Nano Letters</i> , 2009 , 9, 2730-5	11.5	635
20	Detection of ionizing radiation using graphene field effect transistors 2009 ,		6
19	Effect of Energetic Electron Irradiation on Graphene 2009 ,		3
18	Atomic force microscope local oxidation nanolithography of graphene. <i>Applied Physics Letters</i> , 2008 , 93, 093107	3.4	155
17	Strong anomalous optical dispersion of graphene: complex refractive index measured by Picometrology. <i>Optics Express</i> , 2008 , 16, 22105-12	3.3	78
16	Phase coherence and superfluid-insulator transition in a disordered Bose-Einstein condensate. <i>Physical Review A</i> , 2008 , 77,	2.6	94
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13	Pinning modes and interlayer correlation in high-magnetic-field bilayer Wigner solids. <i>Physical Review Letters</i> , 2007 , 99, 136804	7.4	12
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