Andre Geim

List of Publications by Year
in descending order

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Version: 2024-02-01

315	285,938	419	207
papers	citations	132 h-index	312 g-index

331	331	331	105883
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Out-of-equilibrium criticalities in graphene superlattices. Science, 2022, 375, 430-433.	12.6	34
2	Reply to: Random interstratification in hydrated graphene oxide membranes and implications for seawater desalination. Nature Nanotechnology, 2022, 17, 134-135.	31.5	5
3	2D Functional Minerals as Sustainable Materials for Magnetoâ€Optics. Advanced Materials, 2022, 34, e2110464.	21.0	26
4	Interfacial ferroelectricity in marginally twisted 2D semiconductors. Nature Nanotechnology, 2022, 17, 390-395.	31.5	115
5	2D Functional Minerals as Sustainable Materials for Magnetoâ€Optics (Adv. Mater. 16/2022). Advanced Materials, 2022, 34, .	21.0	7
6	Gas permeation through graphdiyne-based nanoporous membranes. Nature Communications, 2022, 13, .	12.8	15
7	Tunnel field-effect transistors for sensitive terahertz detection. Nature Communications, 2021, 12, 543.	12.8	52
8	Translocation of DNA through Ultrathin Nanoslits. Advanced Materials, 2021, 33, e2007682.	21.0	22
9	Tunable van Hove singularities and correlated states in twisted monolayerâ€“bilayer graphene. Nature Physics, 2021, 17, 619-626.	16.7	103
10	Long-range nontopological edge currents in charge-neutral graphene. Nature, 2021, 593, 528-534.	27.8	44
11	Water friction in nanofluidic channels made from two-dimensional crystals. Nature Communications, 2021, 12, 3092.	12.8	59
12	Out-of-Plane Dielectric Susceptibility of Graphene in Twistronic and Bernal Bilayers. Nano Letters, 2021, 21, 6678-6683.	9.1	24
13	Exploring Two-Dimensional Empty Space. Nano Letters, 2021, 21, 6356-6358.	9.1	31
14	Magnetization Signature of Topological Surface States in a Nonâ€Symmorphic Superconductor. Advanced Materials, 2021, 33, e2103257.	21.0	3
15	Tunable spin-orbit coupling in two-dimensional InSe. Physical Review B, 2021, 104, .	3.2	9
16	Charge-polarized interfacial superlattices in marginally twisted hexagonal boron nitride. Nature Communications, 2021, 12, 347.	12.8	132
17	Grapheneâ€™s non-equilibrium fermions reveal Doppler-shifted magnetophonon resonances accompanied by Mach supersonic and Landau velocity effects. Nature Communications, 2021, 12, 6392.	12.8	5
18	Exponentially selective molecular sieving through angstrom pores. Nature Communications, 2021, 12, 7170.	12.8	29

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19	Electron Tunneling through Boron Nitride Confirms Marcusâ€“Hush Theory Predictions for Ultramicroelectrodes. ACS Nano, 2020, 14, 993-1002.	14.6	16
20	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. Nature Communications, 2020, 11, 5756.	12.8	25
21	In situ manipulation of van der Waals heterostructures for twistronics. Science Advances, 2020, 6, .	10.3	69
22	Blue Energy Conversion from Holey-Graphene-like Membranes with a High Density of Subnanometer Pores. Nano Letters, 2020, 20, 8634-8639.	9.1	42
23	Giant magneto-birefringence effect and tuneable colouration of 2D crystal suspensions. Nature Communications, 2020, 11, 3725.	12.8	28
24	Evidence of flat bands and correlated states in buckled graphene superlattices. Nature, 2020, 584, 215-220.	27.8	118
25	Electronic phase separation in multilayer rhombohedral graphite. Nature, 2020, 584, 210-214.	27.8	81
26	Capillary condensation under atomic-scale confinement. Nature, 2020, 588, 250-253.	27.8	168
27	Proton and Li-Ion Permeation through Graphene with Eight-Atom-Ring Defects. ACS Nano, 2020, 14, 7280-7286.	14.6	55
28	Control of electron-electron interaction in graphene by proximity screening. Nature Communications, 2020, 11, 2339.	12.8	46
29	Viscous electron fluids. Physics Today, 2020, 73, 28-34.	0.3	62
30	Limits on gas impermeability of graphene. Nature, 2020, 579, 229-232.	27.8	220
31	Indirect Excitons and Trions in MoSe₂/WSe₂ van der Waals Heterostructures. Nano Letters, 2020, 20, 1869-1875.	9.1	63
32	Minibands in twisted bilayer graphene probed by magnetic focusing. Science Advances, 2020, 6, eaay7838.	10.3	21
33	Two-Dimensional Covalent Crystals by Chemical Conversion of Thin van der Waals Materials. Nano Letters, 2019, 19, 6475-6481.	9.1	32
34	Colossal infrared and terahertz magneto-optical activity in a two-dimensional Dirac material. Nature Nanotechnology, 2019, 14, 756-761.	31.5	27
35	Strong magnetophonon oscillations in extra-large graphene. Nature Communications, 2019, 10, 3334.	12.8	25
36	Stacking Order in Graphite Films Controlled by van der Waals Technology. Nano Letters, 2019, 19, 8526-8532.	9.1	54

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37	With regret, we must leave. New Scientist, 2019, 243, 23.	0.0	0
38	Magnetophonon spectroscopy of Dirac fermion scattering by transverse and longitudinal acoustic phonons in graphene. Physical Review B, 2019, 100, .	3.2	16
39	Atomically thin micas as proton-conducting membranes. Nature Nanotechnology, 2019, 14, 962-966.	31.5	45
40	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. Nature Communications, 2019, 10, 4008.	12.8	67
41	Perfect proton selectivity in ion transport through two-dimensional crystals. Nature Communications, 2019, 10, 4243.	12.8	60
42	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. ACS Photonics, 2019, 6, 516-524.	6.6	110
43	Upconverted electroluminescence via Auger scattering of interlayer excitons in van der Waals heterostructures. Nature Communications, 2019, 10, 2335.	12.8	51
44	Molecular streaming and its voltage control in Ã¥ngstrÃ¶m-scale channels. Nature, 2019, 567, 87-90.	27.8	170
45	Measuring Hall viscosity of grapheneâ€™s electron fluid. Science, 2019, 364, 162-165.	12.6	197
46	Simultaneous voltage and current density imaging of flowing electrons in two dimensions. Nature Nanotechnology, 2019, 14, 480-487.	31.5	55
47	Dimensional reduction, quantum Hall effect and layer parity in graphite films. Nature Physics, 2019, 15, 437-442.	16.7	39
48	Visualizing Poiseuille flow of hydrodynamic electrons. Nature, 2019, 576, 75-79.	27.8	170
49	Composite super-moirÃ© lattices in double-aligned graphene heterostructures. Science Advances, 2019, 5, eaay8897.	10.3	74
50	Imaging work and dissipation in the quantum Hall state in graphene. Nature, 2019, 575, 628-633.	27.8	50
51	Micromagnetometry of two-dimensional ferromagnets. Nature Electronics, 2019, 2, 457-463.	26.0	93
52	Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities. Physical Review Letters, 2019, 122, 016601.	7.8	57
53	Complete steric exclusion of ions and proton transport through confined monolayer water. Science, 2019, 363, 145-148.	12.6	207
54	Planar and van der Waals heterostructures for vertical tunnelling single electron transistors. Nature Communications, 2019, 10, 230.	12.8	43

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55	Excess resistivity in graphene superlattices caused by umklapp electronâ€“electron scattering. Nature Physics, 2019, 15, 32-36.	16.7	46
56	Localized Bright Luminescence of Indirect Excitons and Trions in a Type II Van der Waals Heterostructure. , 2019, , .		0
57	Giant photoeffect in proton transport through graphene membranes. Nature Nanotechnology, 2018, 13, 300-303.	31.5	59
58	Supercurrent and multiple Andreev reflections in micrometer-long ballistic graphene Josephson junctions. Nanoscale, 2018, 10, 3020-3025.	5.6	10
59	High-order fractal states in graphene superlattices. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 5135-5139.	7.1	63
60	Large tunable valley splitting in edge-free graphene quantum dots on boron nitride. Nature Nanotechnology, 2018, 13, 392-397.	31.5	58
61	Transport of hydrogen isotopes through interlayer spacing in van der Waals crystals. Nature Nanotechnology, 2018, 13, 468-472.	31.5	45
62	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe₂. Nano Letters, 2018, 18, 2623-2629.	9.1	70
63	Resonant terahertz detection using graphene plasmons. Nature Communications, 2018, 9, 5392.	12.8	198
64	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. Communications Physics, 2018, 1, .	5.3	33
65	Fluidity onset in graphene. Nature Communications, 2018, 9, 4533.	12.8	136
66	Indirect excitons in van der Waals heterostructures at room temperature. Nature Communications, 2018, 9, 1895.	12.8	130
67	Gate-Defined Quantum Confinement in InSe-Based van der Waals Heterostructures. Nano Letters, 2018, 18, 3950-3955.	9.1	40
68	Electrically controlled water permeation through graphene oxide membranes. Nature, 2018, 559, 236-240.	27.8	263
69	Magnon-assisted tunnelling in van der Waals heterostructures based on CrBr3. Nature Electronics, 2018, 1, 344-349.	26.0	239
70	Anomalously low dielectric constant of confined water. Science, 2018, 360, 1339-1342.	12.6	627
71	Ballistic molecular transport through two-dimensional channels. Nature, 2018, 558, 420-424.	27.8	139
72	Indirect excitons in van der Waals heterostructures at room temperature. , 2018, , .		0

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73	Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. Nano Letters, 2017, 17, 1409-1416.	9.1	84
74	Sub-bandgap Voltage Electroluminescence and Magneto-oscillations in a WSe₂ Light-Emitting van der Waals Heterostructure. Nano Letters, 2017, 17, 1425-1430.	9.1	41
75	Edge currents shunt the insulating bulk in gapped graphene. Nature Communications, 2017, 8, 14552.	12.8	77
76	Graphene-based tunable SQUIDs. Applied Physics Letters, 2017, 110, .	3.3	12
77	Intercalant-independent transition temperature in superconducting black phosphorus. Nature Communications, 2017, 8, 15036.	12.8	82
78	Scalable and efficient separation of hydrogen isotopes using graphene-based electrochemical pumping. Nature Communications, 2017, 8, 15215.	12.8	119
79	Magnetoresistance of vertical Co-graphene-NiFe junctions controlled by charge transfer and proximity-induced spin splitting in graphene. 2D Materials, 2017, 4, 031004.	4.4	73
80	Tunable sieving of ions using graphene oxide membranes. Nature Nanotechnology, 2017, 12, 546-550.	31.5	1,364
81	Size effect in ion transport through angstrom-scale slits. Science, 2017, 358, 511-513.	12.6	418
82	Of flying frogs and levitrons. , 2017, , 615-621.		1
83	Superballistic flow of viscous electron fluid through graphene constrictions. Nature Physics, 2017, 13, 1182-1185.	16.7	288
84	Understanding 2D Crystal Vertical Heterostructures at the Atomic Scale Using Advanced Scanning Transmission Electron Microscopy. Microscopy and Microanalysis, 2017, 23, 1714-1715.	0.4	0
85	High-temperature quantum oscillations caused by recurring Bloch states in graphene superlattices. Science, 2017, 357, 181-184.	12.6	117
86	Imaging resonant dissipation from individual atomic defects in graphene. Science, 2017, 358, 1303-1306.	12.6	66
87	Ultrathin graphene-based membrane with preciseÂmolecular sieving and ultrafast solventÂpermeation. Nature Materials, 2017, 16, 1198-1202.	27.5	549
88	When lost in a multiverse. Nature Physics, 2017, 13, 1142-1142.	16.7	2
89	High electron mobility, quantum Hall effect and anomalous optical response in atomically thin InSe. Nature Nanotechnology, 2017, 12, 223-227.	31.5	996
90	Control of excitons in multi-layer van der Waals heterostructures. Applied Physics Letters, 2016, 108, .	3.3	56

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91	Raman spectroscopy of highly pressurized graphene membranes. Applied Physics Letters, 2016, 108, .	3.3	39
92	Molecular transport through capillaries made with atomic-scale precision. Nature, 2016, 538, 222-225.	27.8	483
93	Scaling approach to tight-binding transport in realistic graphene devices: The case of transverse magnetic focusing. Physical Review B, 2016, 94, .	3.2	15
94	Electron hydrodynamics dilemma: Whirlpools or no whirlpools. Physical Review B, 2016, 94, .	3.2	86
95	Tuning the valley and chiral quantum state of Dirac electrons in van der Waals heterostructures. Science, 2016, 353, 575-579.	12.6	88
96	Magnetotransport in single-layer graphene in a large parallel magnetic field. Physical Review B, 2016, 94, .	3.2	11
97	Electrostatically Confined Monolayer Graphene Quantum Dots with Orbital and Valley Splittings. Nano Letters, 2016, 16, 5798-5805.	9.1	93
98	Phonon-Assisted Resonant Tunneling of Electrons in Grapheneâ€“Boron Nitride Transistors. Physical Review Letters, 2016, 116, 186603.	7.8	78
99	Nanoscale thermal imaging of dissipation in quantum systems. Nature, 2016, 539, 407-410.	27.8	149
100	Macroscopic self-reorientation of interacting two-dimensional crystals. Nature Communications, 2016, 7, 10800.	12.8	108
101	Van der Waals pressure and its effect on trapped interlayer molecules. Nature Communications, 2016, 7, 12168.	12.8	137
102	Highly Flexible and Conductive Printed Graphene for Wireless Wearable Communications Applications. Scientific Reports, 2016, 5, 18298.	3.3	158
103	Universal shape and pressure inside bubbles appearing in van der Waals heterostructures. Nature Communications, 2016, 7, 12587.	12.8	260
104	Superconductivity in Ca-doped graphene laminates. Scientific Reports, 2016, 6, 23254.	3.3	109
105	Electrically pumped single-defect light emitters in WSe ₂. 2D Materials, 2016, 3, 025038.	4.4	66
106	High thermal conductivity of hexagonal boron nitride laminates. 2D Materials, 2016, 3, 011004.	4.4	66
107	Quantum oscillations of the critical current and high-field superconducting proximity in ballisticÂgraphene. Nature Physics, 2016, 12, 318-322.	16.7	179
108	Commensurability Effects in Viscosity of Nanoconfined Water. ACS Nano, 2016, 10, 3685-3692.	14.6	198

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109	Negative local resistance caused by viscous electron backflow in graphene. Science, 2016, 351, 1055-1058.	12.6	516
110	Sieving hydrogen isotopes through two-dimensional crystals. Science, 2016, 351, 68-70.	12.6	247
111	Control of excitons in multi-layer van der Waals heterostructures. , 2016, , .		0
112	Cross sectional STEM imaging and analysis of multilayered two dimensional crystal heterostructure devices. Microscopy and Microanalysis, 2015, 21, 107-108.	0.4	1
113	Nonlocal transport and the hydrodynamic shear viscosity in graphene. Physical Review B, 2015, 92, .	3.2	198
114	Lifting of the Landau level degeneracy in graphene devices in a tilted magnetic field. Physical Review B, 2015, 92, .	3.2	16
115	WSe₂ Light-Emitting Tunneling Transistors with Enhanced Brightness at Room Temperature. Nano Letters, 2015, 15, 8223-8228.	9.1	231
116	Wang et al. reply. Nature, 2015, 528, E3-E3.	27.8	13
117	Light-emitting diodes by band-structure engineering in van der Waals heterostructures. Nature Materials, 2015, 14, 301-306.	27.5	1,397
118	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. Nano Letters, 2015, 15, 4914-4921.	9.1	358
119	Landau Level Spectroscopy of Electron-Electron Interactions in Graphene. Physical Review Letters, 2015, 114, 126804.	7.8	52
120	Binder-free highly conductive graphene laminate for low cost printed radio frequency applications. Applied Physics Letters, 2015, 106, .	3.3	170
121	Square ice in graphene nanocapillaries. Nature, 2015, 519, 443-445.	27.8	602
122	Nonlocal Response and Anamorphosis: The Case of Few-Layer Black Phosphorus. Nano Letters, 2015, 15, 6991-6995.	9.1	42
123	Extremely large magnetoresistance in few-layer graphene/boronâ€“nitride heterostructures. Nature Communications, 2015, 6, 8337.	12.8	86
124	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. Nature Physics, 2015, 11, 1057-1062.	16.7	64
125	Graphene-hexagonal boron nitride resonant tunneling diodes as high-frequency oscillators. Applied Physics Letters, 2015, 107, .	3.3	58
126	Atomic-Scale Legos. Scientific American, 2014, 311, 50-51.	1.0	2

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127	Proton transport through one-atom-thick crystals. Nature, 2014, 516, 227-230.	27.8	668
128	Precise and Ultrafast Molecular Sieving Through Graphene Oxide Membranes. Science, 2014, 343, 752-754.	12.6	2,060
129	Commensurateâ€“incommensurate transition in graphene on hexagonal boron nitride. Nature Physics, 2014, 10, 451-456.	16.7	737
130	Electronic Properties of Graphene Encapsulated with Different Two-Dimensional Atomic Crystals. Nano Letters, 2014, 14, 3270-3276.	9.1	433
131	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. Nature Nanotechnology, 2014, 9, 808-813.	31.5	435
132	Detecting topological currents in graphene superlattices. Science, 2014, 346, 448-451.	12.6	619
133	Stacking Boundaries and Transport in Bilayer Graphene. Nano Letters, 2014, 14, 2052-2057.	9.1	66
134	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	12.8	42
135	Impermeable barrier films and protective coatings based on reduced graphene oxide. Nature Communications, 2014, 5, 4843.	12.8	508
136	Heterostructures Produced from Nanosheet-Based Inks. Nano Letters, 2014, 14, 3987-3992.	9.1	165
137	Hierarchy of Hofstadter states and replica quantum Hall ferromagnetism in graphene superlattices. Nature Physics, 2014, 10, 525-529.	16.7	161
138	Graphene-protected copper and silver plasmonics. Scientific Reports, 2014, 4, 5517.	3.3	217
139	Van der Waals heterostructures. Nature, 2013, 499, 419-425.	27.8	8,378
140	Raman Fingerprint of Aligned Graphene/h-BN Superlattices. Nano Letters, 2013, 13, 5242-5246.	9.1	102
141	Quantum capacitance measurements of electron-hole asymmetry and next-nearest-neighbor hopping in graphene. Physical Review B, 2013, 88, .	3.2	88
142	Effect of dielectric response on the quantum capacitance of graphene in a strong magnetic field. Physical Review B, 2013, 88, .	3.2	26
143	Generic miniband structure of graphene on a hexagonal substrate. Physical Review B, 2013, 87, .	3.2	259
144	Giant Magnetodrag in Graphene at Charge Neutrality. Physical Review Letters, 2013, 111, 166601.	7.8	69

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145	Singular phase nano-optics in plasmonic metamaterials for label-free single-molecule detection. Nature Materials, 2013, 12, 304-309.	27.5	382
146	Vertical field-effect transistor based on grapheneâ€“WS2 heterostructures for flexible and transparent electronics. Nature Nanotechnology, 2013, 8, 100-103.	31.5	1,543
147	Interaction phenomena in graphene seen through quantum capacitance. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 3282-3286.	7.1	239
148	Resonant tunnelling and negative differential conductance in graphene transistors. Nature Communications, 2013, 4, 1794.	12.8	542
149	Strong Light-Matter Interactions in Heterostructures of Atomically Thin Films. Science, 2013, 340, 1311-1314.	12.6	2,179
150	Dual origin of defect magnetism in graphene and its reversible switching by molecular doping. Nature Communications, 2013, 4, 2010.	12.8	230
151	Cloning of Dirac fermions in graphene superlattices. Nature, 2013, 497, 594-597.	27.8	1,107
152	Ultrafast non-thermal electron dynamics in single layer graphene. , 2013, , .		0
153	Field-effect control of tunneling barrier height by exploiting graphene's low density of states. Journal of Applied Physics, 2013, 113, .	2.5	35
154	Revealing common artifacts due to ferromagnetic inclusions in highly oriented pyrolytic graphite. Europhysics Letters, 2012, 97, 47001.	2.0	58
155	Circular dichroism of magnetophonon resonance in doped graphene. Physical Review B, 2012, 86, .	3.2	21
156	Cross-sectional imaging of individual layers and buried interfaces of graphene-based heterostructures and superlattices. Nature Materials, 2012, 11, 764-767.	27.5	796
157	How Close Can One Approach the Dirac Point in Graphene Experimentally?. Nano Letters, 2012, 12, 4629-4634.	9.1	159
158	Strong Coulomb drag and broken symmetry in double-layer graphene. Nature Physics, 2012, 8, 896-901.	16.7	365
159	Reply to the Comment by D. Spemann et al.. Europhysics Letters, 2012, 98, 57007.	2.0	9
160	Field-Effect Tunneling Transistor Based on Vertical Graphene Heterostructures. Science, 2012, 335, 947-950.	12.6	2,268
161	Unimpeded Permeation of Water Through Helium-Leakâ€“Tight Graphene-Based Membranes. Science, 2012, 335, 442-444.	12.6	2,552
162	Raman Spectroscopy of Graphene and Bilayer under Biaxial Strain: Bubbles and Balloons. Nano Letters, 2012, 12, 617-621.	9.1	431

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163	Spin-half paramagnetism in graphene induced by point defects. Nature Physics, 2012, 8, 199-202.	16.7	743
164	Electron Tunneling through Ultrathin Boron Nitride Crystalline Barriers. Nano Letters, 2012, 12, 1707-1710.	9.1	724
165	Graphene prehistory. Physica Scripta, 2012, T146, 014003.	2.5	107
166	Interaction-Driven Spectrum Reconstruction in Bilayer Graphene. Science, 2011, 333, 860-863.	12.6	262
167	RANDOM WALK TO GRAPHENE. International Journal of Modern Physics B, 2011, 25, 4055-4080.	2.0	14
168	Single-Layer Behavior and Its Breakdown in Twisted Graphene Layers. Physical Review Letters, 2011, 106, 126802.	7.8	547
169	Development of a universal stress sensor for graphene and carbon fibres. Nature Communications, 2011, 2, .	12.8	172
170	Nobel Lecture: Random walk to graphene. Reviews of Modern Physics, 2011, 83, 851-862.	45.6	361
171	Dirac cones reshaped by interaction effects in suspended graphene. Nature Physics, 2011, 7, 701-704.	16.7	703
172	Micrometer-Scale Ballistic Transport in Encapsulated Graphene at Room Temperature. Nano Letters, 2011, 11, 2396-2399.	9.1	1,440
173	Graphene bubbles with controllable curvature. Applied Physics Letters, 2011, 99, .	3.3	176
174	Tunable metalâ€“insulator transition in double-layer graphene heterostructures. Nature Physics, 2011, 7, 958-961.	16.7	486
175	Giant Nonlocality Near the Dirac Point in Graphene. Science, 2011, 332, 328-330.	12.6	255
176	Strong plasmonic enhancement of photovoltage in graphene. Nature Communications, 2011, 2, 458.	12.8	775
177	Giant Spin-Hall Effect Induced by the Zeeman Interaction in Graphene. Physical Review Letters, 2011, 107, 096601.	7.8	52
178	Hunting for Monolayer Boron Nitride: Optical and Raman Signatures. Small, 2011, 7, 465-468.	10.0	950
179	Random Walk to Graphene (Nobel Lecture). Angewandte Chemie - International Edition, 2011, 50, 6966-6985.	13.8	137
180	Direct determination of the crystallographic orientation of graphene edges by atomic resolution imaging. Applied Physics Letters, 2010, 97, 053110.	3.3	70

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181	From One Electron to One Hole: Quasiparticle Counting in Graphene Quantum Dots Determined by Electrochemical and Plasma Etching. Small, 2010, 6, 1469-1473.	10.0	98
182	Fluorographene: A Twoâ€Dimensional Counterpart of Teflon. Small, 2010, 6, 2877-2884.	10.0	1,146
183	Energy gaps and a zero-field quantum Hall effect in graphene by strain engineering. Nature Physics, 2010, 6, 30-33.	16.7	1,554
184	Publisherâ€™s Note: Cascaded Optical Field Enhancement in Composite Plasmonic Nanostructures [Phys. Rev. Lett.105, 246806 (2010)]. Physical Review Letters, 2010, 105, .	7.8	2
185	Resonant Scattering by Realistic Impurities in Graphene. Physical Review Letters, 2010, 105, 056802.	7.8	300
186	Generating quantizing pseudomagnetic fields by bending graphene ribbons. Physical Review B, 2010, 81, .	3.2	270
187	Spectroscopic ellipsometry of graphene and an exciton-shifted van Hove peak in absorption. Physical Review B, 2010, 81, .	3.2	477
188	Limits on Charge Carrier Mobility in Suspended Graphene due to Flexural Phonons. Physical Review Letters, 2010, 105, 266601.	7.8	347
189	Limits on Intrinsic Magnetism in Graphene. Physical Review Letters, 2010, 105, 207205.	7.8	349
190	Density of States and Zero Landau Level Probed through Capacitance of Graphene. Physical Review Letters, 2010, 105, 136801.	7.8	202
191	Thermal Conductivity of Graphene in Corbino Membrane Geometry. ACS Nano, 2010, 4, 1889-1892.	14.6	349
192	Cascaded Optical Field Enhancement in Composite Plasmonic Nanostructures. Physical Review Letters, 2010, 105, 246806.	7.8	38
193	Surface-Enhanced Raman Spectroscopy of Graphene. ACS Nano, 2010, 4, 5617-5626.	14.6	433
194	Graphene as a transparent conductive support for studying biological molecules by transmission electron microscopy. Applied Physics Letters, 2010, 97, .	3.3	138
195	On Resonant Scatterers As a Factor Limiting Carrier Mobility in Graphene. Nano Letters, 2010, 10, 3868-3872.	9.1	256
196	Electronic properties of a biased graphene bilayer. Journal of Physics Condensed Matter, 2010, 22, 175503.	1.8	209
197	Composite Au Nanostructures for Fluorescence Studies in Visible Light. Nano Letters, 2010, 10, 874-879.	9.1	33
198	TRANSVERSE SPIN TRANSPORT IN GRAPHENE. International Journal of Modern Physics B, 2009, 23, 2641-2646.	2.0	5

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199	Manifestation of ripples in freeâ€standing graphene in lattice images obtained in an aberrationâ€corrected scanning transmission electron microscope. Physica Status Solidi (A) Applications and Materials Science, 2009, 206, 1117-1122.	1.8	59
200	Subjecting a Graphene Monolayer to Tension and Compression. Small, 2009, 5, 2397-2402.	10.0	400
201	Control of Graphene's Properties by Reversible Hydrogenation: Evidence for Graphane. Science, 2009, 323, 610-613.	12.6	3,748
202	Gap opening in the zeroth Landau level of graphene. Physical Review B, 2009, 80, .	3.2	146
203	Graphene: Status and Prospects. Science, 2009, 324, 1530-1534.	12.6	12,120
204	The electronic properties of graphene. Reviews of Modern Physics, 2009, 81, 109-162.	45.6	20,779
205	Infrared spectroscopy of electronic bands in bilayer graphene. Physical Review B, 2009, 79, .	3.2	170
206	Making Graphene Luminescent by Oxygen Plasma Treatment. ACS Nano, 2009, 3, 3963-3968.	14.6	587
207	Scaling of the quantum Hall plateau-plateau transition in graphene. Physical Review B, 2009, 80, .	3.2	55
208	Effect of a High-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î</mml:mi></mml:math>Environment on Charge Carrier Mobility in Graphene. Physical Review Letters, 2009, 102, 206603.	7.8	347
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