

A K Geim

List of Publications by Year in descending order

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300
papers

293,263
citations

332

136
h-index

176

315
g-index

333
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333
docs citations

333
times ranked

122731
citing authors

#	ARTICLE	IF	CITATIONS
1	Origin of dielectric polarization suppression in confined water from first principles. <i>Chemical Science</i> , 2024, 15, 516-527.	7.8	3
2	Kagome Quantum Oscillations in Graphene Superlattices. <i>Nano Letters</i> , 2024, 24, 601-606.	9.5	1
3	One-dimensional proximity superconductivity in the quantum Hall regime. <i>Nature</i> , 2024, 628, 741-745.	36.2	1
4	Long-term memory and synapse-like dynamics in two-dimensional nanofluidic channels. <i>Science</i> , 2023, 379, 161-167.	20.9	102
5	Giant magnetoresistance of Dirac plasma in high-mobility graphene. <i>Nature</i> , 2023, 616, 270-274.	36.2	28
6	Unexpected catalytic activity of nanorippled graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2023, 120, .	7.6	21
7	A magnetically-induced Coulomb gap in graphene due to electron-electron interactions. <i>Communications Physics</i> , 2023, 6, .	5.3	2
8	Mixing of moiré-surface and bulk states in graphite. <i>Nature</i> , 2023, 620, 756-761.	36.2	9
9	Proton transport through nanoscale corrugations in two-dimensional crystals. <i>Nature</i> , 2023, 620, 782-786.	36.2	24
10	Reply to: Random interstratification in hydrated graphene oxide membranes and implications for seawater desalination. <i>Nature Nanotechnology</i> , 2022, 17, 134-135.	30.5	5
11	2D Functional Minerals as Sustainable Materials for Magneto-Optics. <i>Advanced Materials</i> , 2022, 34, e2110464.	24.3	33
12	Interfacial ferroelectricity in marginally twisted 2D semiconductors. <i>Nature Nanotechnology</i> , 2022, 17, 390-395.	30.5	157
13	Gas permeation through graphdiyne-based nanoporous membranes. <i>Nature Communications</i> , 2022, 13, .	13.2	20
14	Highly efficient and selective extraction of gold by reduced graphene oxide. <i>Nature Communications</i> , 2022, 13, .	13.2	66
15	Tunnel field-effect transistors for sensitive terahertz detection. <i>Nature Communications</i> , 2021, 12, 543.	13.2	59
16	Translocation of DNA through Ultrathin Nanoslits. <i>Advanced Materials</i> , 2021, 33, e2007682.	24.3	26
17	Tunable van Hove singularities and correlated states in twisted monolayer-bilayer graphene. <i>Nature Physics</i> , 2021, 17, 619-626.	11.8	115
18	Long-range nontopological edge currents in charge-neutral graphene. <i>Nature</i> , 2021, 593, 528-534.	36.2	50

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19	Water friction in nanofluidic channels made from two-dimensional crystals. Nature Communications, 2021, 12, 3092.	13.2	79
20	Out-of-Plane Dielectric Susceptibility of Graphene in Twistrionic and Bernal Bilayers. Nano Letters, 2021, 21, 6678-6683.	9.5	28
21	Exploring Two-Dimensional Empty Space. Nano Letters, 2021, 21, 6356-6358.	9.5	33
22	Magnetization Signature of Topological Surface States in a Non-symmorphic Superconductor. Advanced Materials, 2021, 33, e2103257.	24.3	4
23	Tunable spin-orbit coupling in two-dimensional InSe. Physical Review B, 2021, 104, .	3.3	11
24	Charge-polarized interfacial superlattices in marginally twisted hexagonal boron nitride. Nature Communications, 2021, 12, 347.	13.2	165
25	Graphene's non-equilibrium fermions reveal Doppler-shifted magnetophonon resonances accompanied by Mach supersonic and Landau velocity effects. Nature Communications, 2021, 12, 6392.	13.2	5
26	Exponentially selective molecular sieving through angstrom pores. Nature Communications, 2021, 12, 7170.	13.2	36
27	Electron Tunneling through Boron Nitride Confirms Marcus's Hush Theory Predictions for Ultramicroelectrodes. ACS Nano, 2020, 14, 993-1002.	15.3	17
28	Long-range ballistic transport of Brown-Zak fermions in graphene superlattices. Nature Communications, 2020, 11, 5756.	13.2	29
29	In situ manipulation of van der Waals heterostructures for twistrionics. Science Advances, 2020, 6, .	10.9	79
30	Blue Energy Conversion from Holey-Graphene-like Membranes with a High Density of Subnanometer Pores. Nano Letters, 2020, 20, 8634-8639.	9.5	47
31	Giant magneto-birefringence effect and tuneable colouration of 2D crystal suspensions. Nature Communications, 2020, 11, 3725.	13.2	32
32	Evidence of flat bands and correlated states in buckled graphene superlattices. Nature, 2020, 584, 215-220.	36.2	132
33	Electronic phase separation in multilayer rhombohedral graphite. Nature, 2020, 584, 210-214.	36.2	95
34	Capillary condensation under atomic-scale confinement. Nature, 2020, 588, 250-253.	36.2	200
35	Proton and Li-Ion Permeation through Graphene with Eight-Atom-Ring Defects. ACS Nano, 2020, 14, 7280-7286.	15.3	58
36	Control of electron-electron interaction in graphene by proximity screening. Nature Communications, 2020, 11, 2339.	13.2	48

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37	Viscous electron fluids. <i>Physics Today</i> , 2020, 73, 28-34.	0.4	67
38	Limits on gas impermeability of graphene. <i>Nature</i> , 2020, 579, 229-232.	36.2	247
39	Indirect Excitons and Trions in MoSe ₂ /WSe ₂ van der Waals Heterostructures. <i>Nano Letters</i> , 2020, 20, 1869-1875.	9.5	69
40	Minibands in twisted bilayer graphene probed by magnetic focusing. <i>Science Advances</i> , 2020, 6, eaay7838.	10.9	23
41	Two-Dimensional Covalent Crystals by Chemical Conversion of Thin van der Waals Materials. <i>Nano Letters</i> , 2019, 19, 6475-6481.	9.5	33
42	Colossal infrared and terahertz magneto-optical activity in a two-dimensional Dirac material. <i>Nature Nanotechnology</i> , 2019, 14, 756-761.	30.5	32
43	Strong magnetophonon oscillations in extra-large graphene. <i>Nature Communications</i> , 2019, 10, 3334.	13.2	27
44	Stacking Order in Graphite Films Controlled by van der Waals Technology. <i>Nano Letters</i> , 2019, 19, 8526-8532.	9.5	64
45	Magnetophonon spectroscopy of Dirac fermion scattering by transverse and longitudinal acoustic phonons in graphene. <i>Physical Review B</i> , 2019, 100, .	3.3	16
46	Atomically thin micas as proton-conducting membranes. <i>Nature Nanotechnology</i> , 2019, 14, 962-966.	30.5	50
47	Giant oscillations in a triangular network of one-dimensional states in marginally twisted graphene. <i>Nature Communications</i> , 2019, 10, 4008.	13.2	77
48	Perfect proton selectivity in ion transport through two-dimensional crystals. <i>Nature Communications</i> , 2019, 10, 4243.	13.2	70
49	Strained Bubbles in van der Waals Heterostructures as Local Emitters of Photoluminescence with Adjustable Wavelength. <i>ACS Photonics</i> , 2019, 6, 516-524.	6.9	123
50	Upconverted electroluminescence via Auger scattering of interlayer excitons in van der Waals heterostructures. <i>Nature Communications</i> , 2019, 10, 2335.	13.2	54
51	Molecular streaming and its voltage control in Ångström-scale channels. <i>Nature</i> , 2019, 567, 87-90.	36.2	180
52	Simultaneous voltage and current density imaging of flowing electrons in two dimensions. <i>Nature Nanotechnology</i> , 2019, 14, 480-487.	30.5	58
53	Dimensional reduction, quantum Hall effect and layer parity in graphite films. <i>Nature Physics</i> , 2019, 15, 437-442.	11.8	41
54	Visualizing Poiseuille flow of hydrodynamic electrons. <i>Nature</i> , 2019, 576, 75-79.	36.2	188

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55	Composite super-moiré lattices in double-aligned graphene heterostructures. <i>Science Advances</i> , 2019, 5, eaay8897.	10.9	84
56	Imaging work and dissipation in the quantum Hall state in graphene. <i>Nature</i> , 2019, 575, 628-633.	36.2	61
57	Micromagnetometry of two-dimensional ferromagnets. <i>Nature Electronics</i> , 2019, 2, 457-463.	18.9	104
58	Failure of Conductance Quantization in Two-Dimensional Topological Insulators due to Nonmagnetic Impurities. <i>Physical Review Letters</i> , 2019, 122, 016601.	8.0	59
59	Planar and van der Waals heterostructures for vertical tunnelling single electron transistors. <i>Nature Communications</i> , 2019, 10, 230.	13.2	48
60	Excess resistivity in graphene superlattices caused by umklapp electron-electron scattering. <i>Nature Physics</i> , 2019, 15, 32-36.	11.8	50
61	Localized Bright Luminescence of Indirect Excitons and Trions in a Type II Van der Waals Heterostructure. , 2019, , .		0
62	Giant photoeffect in proton transport through graphene membranes. <i>Nature Nanotechnology</i> , 2018, 13, 300-303.	30.5	66
63	High-order fractal states in graphene superlattices. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 5135-5139.	7.6	66
64	Large tunable valley splitting in edge-free graphene quantum dots on boron nitride. <i>Nature Nanotechnology</i> , 2018, 13, 392-397.	30.5	63
65	Transport of hydrogen isotopes through interlayer spacing in van der Waals crystals. <i>Nature Nanotechnology</i> , 2018, 13, 468-472.	30.5	45
66	Unusual Suppression of the Superconducting Energy Gap and Critical Temperature in Atomically Thin NbSe ₂ . <i>Nano Letters</i> , 2018, 18, 2623-2629.	9.5	79
67	Resonant terahertz detection using graphene plasmons. <i>Nature Communications</i> , 2018, 9, 5392.	13.2	226
68	Tunnel spectroscopy of localised electronic states in hexagonal boron nitride. <i>Communications Physics</i> , 2018, 1, .	5.3	36
69	Fluidity onset in graphene. <i>Nature Communications</i> , 2018, 9, 4533.	13.2	146
70	Indirect excitons in van der Waals heterostructures at room temperature. <i>Nature Communications</i> , 2018, 9, 1895.	13.2	137
71	Electrically controlled water permeation through graphene oxide membranes. <i>Nature</i> , 2018, 559, 236-240.	36.2	277
72	Magnon-assisted tunnelling in van der Waals heterostructures based on CrBr ₃ . <i>Nature Electronics</i> , 2018, 1, 344-349.	18.9	256

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73	Ballistic molecular transport through two-dimensional channels. Nature, 2018, 558, 420-424.	36.2	150
74	Indirect excitons in van der Waals heterostructures at room temperature. , 2018, , .		0
75	Unraveling the 3D Atomic Structure of a Suspended Graphene/hBN van der Waals Heterostructure. Nano Letters, 2017, 17, 1409-1416.	9.5	88
76	Sub-bandgap Voltage Electroluminescence and Magneto-oscillations in a WSe ₂ Light-Emitting van der Waals Heterostructure. Nano Letters, 2017, 17, 1425-1430.	9.5	44
77	Edge currents shunt the insulating bulk in gapped graphene. Nature Communications, 2017, 8, 14552.	13.2	80
78	Graphene-based tunable SQUIDs. Applied Physics Letters, 2017, 110, .	3.2	12
79	Intercalant-independent transition temperature in superconducting black phosphorus. Nature Communications, 2017, 8, 15036.	13.2	86
80	Scalable and efficient separation of hydrogen isotopes using graphene-based electrochemical pumping. Nature Communications, 2017, 8, 15215.	13.2	128
81	Magnetoresistance of vertical Co-graphene-NiFe junctions controlled by charge transfer and proximity-induced spin splitting in graphene. 2D Materials, 2017, 4, 031004.	4.5	81
82	Tunable sieving of ions using graphene oxide membranes. Nature Nanotechnology, 2017, 12, 546-550.	30.5	1,448
83	Of flying frogs and levitrons. , 2017, , 615-621.		1
84	Superballistic flow of viscous electron fluid through graphene constrictions. Nature Physics, 2017, 13, 1182-1185.	11.8	305
85	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
86	Ultrathin graphene-based membrane with preciseÅmolecular sieving and ultrafast solventÅpermeation. Nature Materials, 2017, 16, 1198-1202.	26.6	583
87	High electron mobility, quantum Hall effect and anomalous optical response in atomically thin InSe. Nature Nanotechnology, 2017, 12, 223-227.	30.5	1,050
88	Control of excitons in multi-layer van der Waals heterostructures. Applied Physics Letters, 2016, 108, .	3.2	56
89	Raman spectroscopy of highly pressurized graphene membranes. Applied Physics Letters, 2016, 108, .	3.2	39
90	Molecular transport through capillaries made with atomic-scale precision. Nature, 2016, 538, 222-225.	36.2	525

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91	Scaling approach to tight-binding transport in realistic graphene devices: The case of transverse magnetic focusing. <i>Physical Review B</i> , 2016, 94, .	3.3	16
92	Electron hydrodynamics dilemma: Whirlpools or no whirlpools. <i>Physical Review B</i> , 2016, 94, .	3.3	91
93	Magnetotransport in single-layer graphene in a large parallel magnetic field. <i>Physical Review B</i> , 2016, 94, .	3.3	12
94	Electrostatically Confined Monolayer Graphene Quantum Dots with Orbital and Valley Splittings. <i>Nano Letters</i> , 2016, 16, 5798-5805.	9.5	94
95	Phonon-Assisted Resonant Tunneling of Electrons in Grapheneâ€“Boron Nitride Transistors. <i>Physical Review Letters</i> , 2016, 116, 186603.	8.0	83
96	Nanoscale thermal imaging of dissipation in quantum systems. <i>Nature</i> , 2016, 539, 407-410.	36.2	162
97	Macroscopic self-reorientation of interacting two-dimensional crystals. <i>Nature Communications</i> , 2016, 7, 10800.	13.2	115
98	Van der Waals pressure and its effect on trapped interlayer molecules. <i>Nature Communications</i> , 2016, 7, 12168.	13.2	146
99	Highly Flexible and Conductive Printed Graphene for Wireless Wearable Communications Applications. <i>Scientific Reports</i> , 2016, 5, 18298.	3.4	163
100	Universal shape and pressure inside bubbles appearing in van der Waals heterostructures. <i>Nature Communications</i> , 2016, 7, 12587.	13.2	285
101	Superconductivity in Ca-doped graphene laminates. <i>Scientific Reports</i> , 2016, 6, 23254.	3.4	111
102	Electrically pumped single-defect light emitters in WSe ₂ . <i>2D Materials</i> , 2016, 3, 025038.	4.5	70
103	High thermal conductivity of hexagonal boron nitride laminates. <i>2D Materials</i> , 2016, 3, 011004.	4.5	68
104	Quantum oscillations of the critical current and high-field superconducting proximity in ballistic Ågraphene. <i>Nature Physics</i> , 2016, 12, 318-322.	11.8	192
105	Commensurability Effects in Viscosity of Nanoconfined Water. <i>ACS Nano</i> , 2016, 10, 3685-3692.	15.3	213
106	Control of excitons in multi-layer van der Waals heterostructures. , 2016, , .		0
107	Cross sectional STEM imaging and analysis of multilayered two dimensional crystal heterostructure devices. <i>Microscopy and Microanalysis</i> , 2015, 21, 107-108.	0.4	1
108	Nonlocal transport and the hydrodynamic shear viscosity in graphene. <i>Physical Review B</i> , 2015, 92, .	3.3	205

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109	Lifting of the Landau level degeneracy in graphene devices in a tilted magnetic field. Physical Review B, 2015, 92, .	3.3	16
110	WSe ₂ Light-Emitting Tunneling Transistors with Enhanced Brightness at Room Temperature. Nano Letters, 2015, 15, 8223-8228.	9.5	237
111	Wang et al. reply. Nature, 2015, 528, E3-E3.	36.2	13
112	Light-emitting diodes by band-structure engineering in van der Waals heterostructures. Nature Materials, 2015, 14, 301-306.	26.6	1,436
113	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. Nano Letters, 2015, 15, 4914-4921.	9.5	373
114	Landau Level Spectroscopy of Electron-Electron Interactions in Graphene. Physical Review Letters, 2015, 114, 126804.	8.0	52
115	Binder-free highly conductive graphene laminate for low cost printed radio frequency applications. Applied Physics Letters, 2015, 106, .	3.2	175
116	Square ice in graphene nanocapillaries. Nature, 2015, 519, 443-445.	36.2	632
117	Nonlocal Response and Anamorphosis: The Case of Few-Layer Black Phosphorus. Nano Letters, 2015, 15, 6991-6995.	9.5	42
118	Extremely large magnetoresistance in few-layer graphene/boron nitride heterostructures. Nature Communications, 2015, 6, 8337.	13.2	92
119	Resonant tunnelling between the chiral Landau states of twisted graphene lattices. Nature Physics, 2015, 11, 1057-1062.	11.8	67
120	Graphene-hexagonal boron nitride resonant tunneling diodes as high-frequency oscillators. Applied Physics Letters, 2015, 107, .	3.2	58
121	Atomic-Scale Legos. Scientific American, 2014, 311, 50-51.	0.0	2
122	Proton transport through one-atom-thick crystals. Nature, 2014, 516, 227-230.	36.2	701
123	Commensurate-incommensurate transition in graphene on hexagonal boron nitride. Nature Physics, 2014, 10, 451-456.	11.8	760
124	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. Nature Nanotechnology, 2014, 9, 808-813.	30.5	440
125	Stacking Boundaries and Transport in Bilayer Graphene. Nano Letters, 2014, 14, 2052-2057.	9.5	67
126	Atomically resolved imaging of highly ordered alternating fluorinated graphene. Nature Communications, 2014, 5, 4902.	13.2	43

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127	Impermeable barrier films and protective coatings based on reduced graphene oxide. Nature Communications, 2014, 5, 4843.	13.2	530
128	Heterostructures Produced from Nanosheet-Based Inks. Nano Letters, 2014, 14, 3987-3992.	9.5	171
129	Hierarchy of Hofstadter states and replica quantum Hall ferromagnetism in graphene superlattices. Nature Physics, 2014, 10, 525-529.	11.8	163
130	Graphene-protected copper and silver plasmonics. Scientific Reports, 2014, 4, 5517.	3.4	224
131	Van der Waals heterostructures. Nature, 2013, 499, 419-425.	36.2	8,754
132	Raman Fingerprint of Aligned Graphene/h-BN Superlattices. Nano Letters, 2013, 13, 5242-5246.	9.5	105
133	Quantum capacitance measurements of electron-hole asymmetry and next-nearest-neighbor hopping in graphene. Physical Review B, 2013, 88, .	3.3	89
134	Effect of dielectric response on the quantum capacitance of graphene in a strong magnetic field. Physical Review B, 2013, 88, .	3.3	26
135	Generic miniband structure of graphene on a hexagonal substrate. Physical Review B, 2013, 87, .	3.3	262
136	Giant Magnetodrag in Graphene at Charge Neutrality. Physical Review Letters, 2013, 111, 166601.	8.0	70
137	Singular phase nano-optics in plasmonic metamaterials for label-free single-molecule detection. Nature Materials, 2013, 12, 304-309.	26.6	397
138	Vertical field-effect transistor based on graphene-WS ₂ heterostructures for flexible and transparent electronics. Nature Nanotechnology, 2013, 8, 100-103.	30.5	1,572
139	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.	7.6	247
140	Resonant tunnelling and negative differential conductance in graphene transistors. Nature Communications, 2013, 4, 1794.	13.2	551
141	Dual origin of defect magnetism in graphene and its reversible switching by molecular doping. Nature Communications, 2013, 4, 2010.	13.2	236
142	Cloning of Dirac fermions in graphene superlattices. Nature, 2013, 497, 594-597.	36.2	1,137
143	Ultrafast non-thermal electron dynamics in single layer graphene. , 2013, , .		0
144	Field-effect control of tunneling barrier height by exploiting graphene's low density of states. Journal of Applied Physics, 2013, 113, .	2.3	35

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145	Revealing common artifacts due to ferromagnetic inclusions in highly oriented pyrolytic graphite. Europhysics Letters, 2012, 97, 47001.	2.0	58
146	Circular dichroism of magnetophonon resonance in doped graphene. Physical Review B, 2012, 86, .	3.3	22
147	Cross-sectional imaging of individual layers and buried interfaces of graphene-based heterostructures and superlattices. Nature Materials, 2012, 11, 764-767.	26.6	828
148	How Close Can One Approach the Dirac Point in Graphene Experimentally?. Nano Letters, 2012, 12, 4629-4634.	9.5	163
149	Strong Coulomb drag and broken symmetry in double-layer graphene. Nature Physics, 2012, 8, 896-901.	11.8	373
150	Reply to the Comment by D. Spemann et al.. Europhysics Letters, 2012, 98, 57007.	2.0	9
151	Raman Spectroscopy of Graphene and Bilayer under Biaxial Strain: Bubbles and Balloons. Nano Letters, 2012, 12, 617-621.	9.5	443
152	Spin-half paramagnetism in graphene induced by point defects. Nature Physics, 2012, 8, 199-202.	11.8	760
153	Electron Tunneling through Ultrathin Boron Nitride Crystalline Barriers. Nano Letters, 2012, 12, 1707-1710.	9.5	758
154	Graphene prehistory. Physica Scripta, 2012, T146, 014003.	2.5	115
155	RANDOM WALK TO GRAPHENE. International Journal of Modern Physics B, 2011, 25, 4055-4080.	1.9	15
156	Optics of Flat Carbon " Spectroscopic Ellipsometry of Graphene Flakes. NATO Science for Peace and Security Series B: Physics and Biophysics, 2011, , 3-9.	0.0	2
157	Single-Layer Behavior and Its Breakdown in Twisted Graphene Layers. Physical Review Letters, 2011, 106, 126802.	8.0	557
158	Development of a universal stress sensor for graphene and carbon fibres. Nature Communications, 2011, 2, .	13.2	177
159	Nobel Lecture: Random walk to graphene. Reviews of Modern Physics, 2011, 83, 851-862.	46.3	365
160	Dirac cones reshaped by interaction effects in suspended graphene. Nature Physics, 2011, 7, 701-704.	11.8	713
161	Micrometer-Scale Ballistic Transport in Encapsulated Graphene at Room Temperature. Nano Letters, 2011, 11, 2396-2399.	9.5	1,481
162	Graphene bubbles with controllable curvature. Applied Physics Letters, 2011, 99, .	3.2	179

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163	Tunable metal-insulator transition in double-layer graphene heterostructures. <i>Nature Physics</i> , 2011, 7, 958-961.	11.8	493
164	Strong plasmonic enhancement of photovoltage in graphene. <i>Nature Communications</i> , 2011, 2, 458.	13.2	786
165	Giant Spin-Hall Effect Induced by the Zeeman Interaction in Graphene. <i>Physical Review Letters</i> , 2011, 107, 096601.	8.0	52
166	Hunting for Monolayer Boron Nitride: Optical and Raman Signatures. <i>Small</i> , 2011, 7, 465-468.	11.2	994
167	Zufallswege zum Graphen (Nobel-Aufsatz). <i>Angewandte Chemie</i> , 2011, 123, 7100-7122.	2.1	22
168	Random Walk to Graphene (Nobel Lecture). <i>Angewandte Chemie - International Edition</i> , 2011, 50, 6966-6985.	14.8	143
169	Direct determination of the crystallographic orientation of graphene edges by atomic resolution imaging. <i>Applied Physics Letters</i> , 2010, 97, .	3.2	71
170	Reprint of: Foreword (<i>Solid State Communications</i> 2007, Volume 143, Issues 27-28, Pages 1-2). <i>Solid State Communications</i> , 2010, 150, 2207-2208.	1.9	0
171	From One Electron to One Hole: Quasiparticle Counting in Graphene Quantum Dots Determined by Electrochemical and Plasma Etching. <i>Small</i> , 2010, 6, 1469-1473.	11.2	102
172	Fluorographene: A Two-Dimensional Counterpart of Teflon. <i>Small</i> , 2010, 6, 2877-2884.	11.2	1,177
173	Energy gaps and a zero-field quantum Hall effect in graphene by strain engineering. <i>Nature Physics</i> , 2010, 6, 30-33.	11.8	1,598
174	Resonant Scattering by Realistic Impurities in Graphene. <i>Physical Review Letters</i> , 2010, 105, 056802.	8.0	304
175	Generating quantizing pseudomagnetic fields by bending graphene ribbons. <i>Physical Review B</i> , 2010, 81, .	3.3	280
176	Spectroscopic ellipsometry of graphene and an exciton-shifted van Hove peak in absorption. <i>Physical Review B</i> , 2010, 81, .	3.3	481
177	Limits on Charge Carrier Mobility in Suspended Graphene due to Flexural Phonons. <i>Physical Review Letters</i> , 2010, 105, 266601.	8.0	354
178	Limits on Intrinsic Magnetism in Graphene. <i>Physical Review Letters</i> , 2010, 105, 207205.	8.0	358
179	Density of States and Zero Landau Level Probed through Capacitance of Graphene. <i>Physical Review Letters</i> , 2010, 105, 136801.	8.0	205
180	Thermal Conductivity of Graphene in Corbino Membrane Geometry. <i>ACS Nano</i> , 2010, 4, 1889-1892.	15.3	355

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181	Cascaded Optical Field Enhancement in Composite Plasmonic Nanostructures. <i>Physical Review Letters</i> , 2010, 105, 246806.	8.0	38
182	Surface-Enhanced Raman Spectroscopy of Graphene. <i>ACS Nano</i> , 2010, 4, 5617-5626.	15.3	446
183	Graphene as a transparent conductive support for studying biological molecules by transmission electron microscopy. <i>Applied Physics Letters</i> , 2010, 97, .	3.2	139
184	On Resonant Scatterers As a Factor Limiting Carrier Mobility in Graphene. <i>Nano Letters</i> , 2010, 10, 3868-3872.	9.5	262
185	Electronic properties of a biased graphene bilayer. <i>Journal of Physics Condensed Matter</i> , 2010, 22, 175503.	1.9	210
186	Composite Au Nanostructures for Fluorescence Studies in Visible Light. <i>Nano Letters</i> , 2010, 10, 874-879.	9.5	33
187	TRANSVERSE SPIN TRANSPORT IN GRAPHENE. <i>International Journal of Modern Physics B</i> , 2009, 23, 2641-2646.	1.9	5
188	Manifestation of ripples in free-standing graphene in lattice images obtained in an aberration-corrected scanning transmission electron microscope. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2009, 206, 1117-1122.	1.9	60
189	Subjecting a Graphene Monolayer to Tension and Compression. <i>Small</i> , 2009, 5, 2397-2402.	11.2	408
190	Control of Graphene's Properties by Reversible Hydrogenation: Evidence for Graphane. <i>Science</i> , 2009, 323, 610-613.	20.9	3,806
191	Gap opening in the zeroth Landau level of graphene. <i>Physical Review B</i> , 2009, 80, .	3.3	146
192	Graphene: Status and Prospects. <i>Science</i> , 2009, 324, 1530-1534.	20.9	12,381
193	The electronic properties of graphene. <i>Reviews of Modern Physics</i> , 2009, 81, 109-162.	46.3	21,238
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