

Kenji Watanabe

List of Publications by Year in descending order

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1,635
papers

148,137
citations

78

171
h-index

143

329
g-index

1704
all docs

1704
docs citations

1704
times ranked

53552
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron nitride substrates for high-quality graphene electronics. <i>Nature Nanotechnology</i> , 2010, 5, 722-726.	15.6	5,794
2	Unconventional superconductivity in magic-angle graphene superlattices. <i>Nature</i> , 2018, 556, 43-50.	13.7	5,221
3	Correlated insulator behaviour at half-filling in magic-angle graphene superlattices. <i>Nature</i> , 2018, 556, 80-84.	13.7	3,086
4	Direct-bandgap properties and evidence for ultraviolet lasing of hexagonal boron nitride single crystal. <i>Nature Materials</i> , 2004, 3, 404-409.	13.3	2,510
5	One-Dimensional Electrical Contact to a Two-Dimensional Material. <i>Science</i> , 2013, 342, 614-617.	6.0	2,236
6	Tuning superconductivity in twisted bilayer graphene. <i>Science</i> , 2019, 363, 1059-1064.	6.0	1,460
7	Micrometer-Scale Ballistic Transport in Encapsulated Graphene at Room Temperature. <i>Nano Letters</i> , 2011, 11, 2396-2399.	4.5	1,440
8	Electrically tunable excitonic light-emitting diodes based on monolayer WSe ₂ p-n junctions. <i>Nature Nanotechnology</i> , 2014, 9, 268-272.	15.6	1,434
9	Hofstadter's butterfly and the fractal quantum Hall effect in moiré superlattices. <i>Nature</i> , 2013, 497, 598-602.	13.7	1,404
10	Light-emitting diodes by band-structure engineering in van der Waals heterostructures. <i>Nature Materials</i> , 2015, 14, 301-306.	13.3	1,397
11	Massive Dirac Fermions and Hofstadter Butterfly in a van der Waals Heterostructure. <i>Science</i> , 2013, 340, 1427-1430.	6.0	1,392
12	Scanning tunnelling microscopy and spectroscopy of ultra-flat graphene on hexagonal boron nitride. <i>Nature Materials</i> , 2011, 10, 282-285.	13.3	1,157
13	Emergent ferromagnetism near three-quarters filling in twisted bilayer graphene. <i>Science</i> , 2019, 365, 605-608.	6.0	1,106
14	Multi-terminal transport measurements of MoS ₂ using a van der Waals heterostructure device platform. <i>Nature Nanotechnology</i> , 2015, 10, 534-540.	15.6	1,099
15	Deep Ultraviolet Light-Emitting Hexagonal Boron Nitride Synthesized at Atmospheric Pressure. <i>Science</i> , 2007, 317, 932-934.	6.0	1,060
16	Superconductors, orbital magnets and correlated states in magic-angle bilayer graphene. <i>Nature</i> , 2019, 574, 653-657.	13.7	987
17	Tunable Phonon Polaritons in Atomically Thin van der Waals Crystals of Boron Nitride. <i>Science</i> , 2014, 343, 1125-1129.	6.0	957
18	Emergence of superlattice Dirac points in graphene on hexagonal boron nitride. <i>Nature Physics</i> , 2012, 8, 382-386.	6.5	956

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19	Hunting for Monolayer Boron Nitride: Optical and Raman Signatures. <i>Small</i> , 2011, 7, 465-468.	5.2	950
20	Flexible and Transparent MoS ₂ Field-Effect Transistors on Hexagonal Boron Nitride-Graphene Heterostructures. <i>ACS Nano</i> , 2013, 7, 7931-7936.	7.3	947
21	Evidence for moiré excitons in van der Waals heterostructures. <i>Nature</i> , 2019, 567, 71-75.	13.7	933
22	Epitaxial growth of single-domain graphene on hexagonal boron nitride. <i>Nature Materials</i> , 2013, 12, 792-797.	13.3	882
23	Hot Carrier-Assisted Intrinsic Photoresponse in Graphene. <i>Science</i> , 2011, 334, 648-652.	6.0	876
24	Giant tunneling magnetoresistance in spin-filter van der Waals heterostructures. <i>Science</i> , 2018, 360, 1214-1218.	6.0	871
25	Highly confined low-loss plasmons in graphene-boron nitride heterostructures. <i>Nature Materials</i> , 2015, 14, 421-425.	13.3	847
26	Intrinsic quantized anomalous Hall effect in a moiré heterostructure. <i>Science</i> , 2020, 367, 900-903.	6.0	844
27	Observation of moiré excitons in WSe ₂ /WS ₂ heterostructure superlattices. <i>Nature</i> , 2019, 567, 76-80.	13.7	791
28	Commensurate-incommensurate transition in graphene on hexagonal boron nitride. <i>Nature Physics</i> , 2014, 10, 451-456.	6.5	737
29	Sub-diffractive volume-confined polaritons in the natural hyperbolic material hexagonal boron nitride. <i>Nature Communications</i> , 2014, 5, 5221.	5.8	686
30	Probing magnetism in 2D van der Waals crystalline insulators via electron tunneling. <i>Science</i> , 2018, 360, 1218-1222.	6.0	668
31	Ultrahigh-mobility graphene devices from chemical vapor deposition on reusable copper. <i>Science Advances</i> , 2015, 1, e1500222.	4.7	635
32	Van der Waals engineering of ferromagnetic semiconductor heterostructures for spin and valleytronics. <i>Science Advances</i> , 2017, 3, e1603113.	4.7	635
33	Strong Oxidation Resistance of Atomically Thin Boron Nitride Nanosheets. <i>ACS Nano</i> , 2014, 8, 1457-1462.	7.3	633
34	Anomalously low dielectric constant of confined water. <i>Science</i> , 2018, 360, 1339-1342.	6.0	627
35	Direct observation of the layer-dependent electronic structure in phosphorene. <i>Nature Nanotechnology</i> , 2017, 12, 21-25.	15.6	625
36	Resonantly hybridized excitons in moiré superlattices in van der Waals heterostructures. <i>Nature</i> , 2019, 567, 81-86.	13.7	621

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37	Observation of the quantum spin Hall effect up to 100 kelvin in a monolayer crystal. <i>Science</i> , 2018, 359, 76-79.	6.0	613
38	Thermal Conductivity and Phonon Transport in Suspended Few-Layer Hexagonal Boron Nitride. <i>Nano Letters</i> , 2013, 13, 550-554.	4.5	585
39	Mechanical properties of atomically thin boron nitride and the role of interlayer interactions. <i>Nature Communications</i> , 2017, 8, 15815.	5.8	576
40	Correlated electronic phases in twisted bilayer transition metal dichalcogenides. <i>Nature Materials</i> , 2020, 19, 861-866.	13.3	544
41	Mott and generalized Wigner crystal states in WSe_2/WS_2 moiré superlattices. <i>Nature</i> , 2020, 579, 359-363.	13.7	536
42	Graphene on hexagonal boron nitride as a tunable hyperbolic metamaterial. <i>Nature Nanotechnology</i> , 2015, 10, 682-686.	15.6	526
43	Simulation of Hubbard model physics in WSe_2/WS_2 moiré superlattices. <i>Nature</i> , 2020, 579, 353-358.	13.7	511
44	Lateral MoS_2 p-n Junction Formed by Chemical Doping for Use in High-Performance Optoelectronics. <i>ACS Nano</i> , 2014, 8, 9332-9340.	7.3	507
45	Rad18 guides pol η to replication stalling sites through physical interaction and PCNA monoubiquitination. <i>EMBO Journal</i> , 2004, 23, 3886-3896.	3.5	499
46	Picosecond photoresponse in van der Waals heterostructures. <i>Nature Nanotechnology</i> , 2016, 11, 42-46.	15.6	493
47	Observation of the Dirac fluid and the breakdown of the Wiedemann-Franz law in graphene. <i>Science</i> , 2016, 351, 1058-1061.	6.0	491
48	Charge order and broken rotational symmetry in magic-angle twisted bilayer graphene. <i>Nature</i> , 2019, 573, 91-95.	13.7	491
49	REV7 counteracts DNA double-strand break resection and affects PARP inhibition. <i>Nature</i> , 2015, 521, 541-544.	13.7	487
50	Tunable metal-insulator transition in double-layer graphene heterostructures. <i>Nature Physics</i> , 2011, 7, 958-961.	6.5	486
51	Structure of chemically derived mono- and few-atomic-layer boron nitride sheets. <i>Applied Physics Letters</i> , 2008, 93, .	1.5	481
52	van der Waals Heterostructures with High Accuracy Rotational Alignment. <i>Nano Letters</i> , 2016, 16, 1989-1995.	4.5	477
53	Ultraviolet Emission from a Diamond pn Junction. <i>Science</i> , 2001, 292, 1899-1901.	6.0	475
54	Very large tunneling magnetoresistance in layered magnetic semiconductor CrI_3 . <i>Nature Communications</i> , 2018, 9, 2516.	5.8	472

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55	Understanding and controlling the substrate effect on graphene electron-transfer chemistry via reactivity imprint lithography. <i>Nature Chemistry</i> , 2012, 4, 724-732.	6.6	463
56	Transport properties of pristine few-layer black phosphorus by van der Waals passivation in an inert atmosphere. <i>Nature Communications</i> , 2015, 6, 6647.	5.8	460
57	Spectroscopic signatures of many-body correlations in magic-angle twisted bilayer graphene. <i>Nature</i> , 2019, 572, 101-105.	13.7	459
58	Signatures of tunable superconductivity in a trilayer graphene moiré superlattice. <i>Nature</i> , 2019, 572, 215-219.	13.7	458
59	Air-Stable Transport in Graphene-Contacted, Fully Encapsulated Ultrathin Black Phosphorus-Based Field-Effect Transistors. <i>ACS Nano</i> , 2015, 9, 4138-4145.	7.3	455
60	Atomic and electronic reconstruction at the van der Waals interface in twisted bilayer graphene. <i>Nature Materials</i> , 2019, 18, 448-453.	13.3	454
61	Electronic correlations in twisted bilayer graphene near the magic angle. <i>Nature Physics</i> , 2019, 15, 1174-1180.	6.5	450
62	Tunable strongly coupled superconductivity in magic-angle twisted trilayer graphene. <i>Nature</i> , 2021, 590, 249-255.	13.7	449
63	Synthesis of high-purity boron nitride single crystals under high pressure by using Ba-BN solvent. <i>Journal of Crystal Growth</i> , 2007, 303, 525-529.	0.7	444
64	Evidence of a gate-tunable Mott insulator in a trilayer graphene moiré superlattice. <i>Nature Physics</i> , 2019, 15, 237-241.	6.5	436
65	Twist-controlled resonant tunnelling in graphene/boron nitride/graphene heterostructures. <i>Nature Nanotechnology</i> , 2014, 9, 808-813.	15.6	435
66	Tunable moiré bands and strong correlations in small-twist-angle bilayer graphene. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 3364-3369.	3.3	434
67	Electronic Properties of Graphene Encapsulated with Different Two-Dimensional Atomic Crystals. <i>Nano Letters</i> , 2014, 14, 3270-3276.	4.5	433
68	Tunable correlated states and spin-polarized phases in twisted bilayer bilayer graphene. <i>Nature</i> , 2020, 583, 215-220.	13.7	433
69	Tunable correlated Chern insulator and ferromagnetism in a moiré superlattice. <i>Nature</i> , 2020, 579, 56-61.	13.7	425
70	Far-ultraviolet plane-emission handheld device based on hexagonal boron nitride. <i>Nature Photonics</i> , 2009, 3, 591-594.	15.6	417
71	Multicomponent fractional quantum Hall effect in graphene. <i>Nature Physics</i> , 2011, 7, 693-696.	6.5	405
72	Hyperbolic phonon-polaritons in boron nitride for near-field optical imaging and focusing. <i>Nature Communications</i> , 2015, 6, 7507.	5.8	399

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73	Twistable electronics with dynamically rotatable heterostructures. <i>Science</i> , 2018, 361, 690-693.	6.0	387
74	Tunable spin-polarized correlated states in twisted double bilayer graphene. <i>Nature</i> , 2020, 583, 221-225.	13.7	385
75	Correlated states in twisted double bilayer graphene. <i>Nature Physics</i> , 2020, 16, 520-525.	6.5	374
76	Observation of the nonlinear Hall effect under time-reversal-symmetric conditions. <i>Nature</i> , 2019, 565, 337-342.	13.7	372
77	Strong Coulomb drag and broken symmetry in double-layer graphene. <i>Nature Physics</i> , 2012, 8, 896-901.	6.5	365
78	Pressure-controlled interlayer magnetism in atomically thin CrI ₃ . <i>Nature Materials</i> , 2019, 18, 1303-1308.	13.3	364
79	Quality Heterostructures from Two-Dimensional Crystals Unstable in Air by Their Assembly in Inert Atmosphere. <i>Nano Letters</i> , 2015, 15, 4914-4921.	4.5	358
80	Switching 2D magnetic states via pressure tuning of layer stacking. <i>Nature Materials</i> , 2019, 18, 1298-1302.	13.3	358
81	Quantum Hall effect in black phosphorus two-dimensional electron system. <i>Nature Nanotechnology</i> , 2016, 11, 593-597.	15.6	356
82	Room-temperature electrical control of exciton flux in a van der Waals heterostructure. <i>Nature</i> , 2018, 560, 340-344.	13.7	353
83	Generation and detection of pure valley current by electrically induced Berry curvature in bilayer graphene. <i>Nature Physics</i> , 2015, 11, 1032-1036.	6.5	347
84	A MoTe ₂ -based light-emitting diode and photodetector for silicon photonic integrated circuits. <i>Nature Nanotechnology</i> , 2017, 12, 1124-1129.	15.6	344
85	Stacking-engineered ferroelectricity in bilayer boron nitride. <i>Science</i> , 2021, 372, 1458-1462.	6.0	344
86	Raman spectroscopy as probe of nanometre-scale strain variations in graphene. <i>Nature Communications</i> , 2015, 6, 8429.	5.8	341
87	Subdiffractional focusing and guiding of polaritonic rays in a natural hyperbolic material. <i>Nature Communications</i> , 2015, 6, 6963.	5.8	340
88	Boron nitride substrates for high mobility chemical vapor deposited graphene. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	339
89	Highly Stable, Dual-Gated MoS ₂ Transistors Encapsulated by Hexagonal Boron Nitride with Gate-Controllable Contact, Resistance, and Threshold Voltage. <i>ACS Nano</i> , 2015, 9, 7019-7026.	7.3	331
90	Evidence of high-temperature exciton condensation in two-dimensional atomic double layers. <i>Nature</i> , 2019, 574, 76-80.	13.7	331

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91	Untying the insulating and superconducting orders in magic-angle graphene. <i>Nature</i> , 2020, 583, 375-378.	13.7	323
92	Tunneling Spin Valves Based on Fe ₃ GeTe ₂ /hBN/Fe ₃ GeTe ₂ van der Waals Heterostructures. <i>Nano Letters</i> , 2018, 18, 4303-4308.	4.5	319
93	Two-dimensional quasi-freestanding molecular crystals for high-performance organic field-effect transistors. <i>Nature Communications</i> , 2014, 5, 5162.	5.8	315
94	Correlated insulating states at fractional fillings of moiré superlattices. <i>Nature</i> , 2020, 587, 214-218.	13.7	315
95	High thermal conductivity of high-quality monolayer boron nitride and its thermal expansion. <i>Science Advances</i> , 2019, 5, eaav0129.	4.7	308
96	Spin and valley quantum Hall ferromagnetism in graphene. <i>Nature Physics</i> , 2012, 8, 550-556.	6.5	307
97	Gate-tunable topological valley transport in bilayer graphene. <i>Nature Physics</i> , 2015, 11, 1027-1031.	6.5	301
98	Cascade of phase transitions and Dirac revivals in magic-angle graphene. <i>Nature</i> , 2020, 582, 203-208.	13.7	297
99	Strange Metal in Magic-Angle Graphene with near Planckian Dissipation. <i>Physical Review Letters</i> , 2020, 124, 076801.	2.9	293
100	Superballistic flow of viscous electron fluid through graphene constrictions. <i>Nature Physics</i> , 2017, 13, 1182-1185.	6.5	288
101	Photoinduced doping in heterostructures of graphene and boron nitride. <i>Nature Nanotechnology</i> , 2014, 9, 348-352.	15.6	287
102	Widely tunable black phosphorus mid-infrared photodetector. <i>Nature Communications</i> , 2017, 8, 1672.	5.8	283
103	Quantum oscillations in a two-dimensional electron gas in black phosphorus thin films. <i>Nature Nanotechnology</i> , 2015, 10, 608-613.	15.6	282
104	Cascade of electronic transitions in magic-angle twisted bilayer graphene. <i>Nature</i> , 2020, 582, 198-202.	13.7	282
105	Valley Manipulation by Optically Tuning the Magnetic Proximity Effect in WSe ₂ /CrI ₃ Heterostructures. <i>Nano Letters</i> , 2018, 18, 3823-3828.	4.5	281
106	Independent superconductors and correlated insulators in twisted bilayer graphene. <i>Nature Physics</i> , 2020, 16, 926-930.	6.5	276
107	Photonic crystals for nano-light in moiré graphene superlattices. <i>Science</i> , 2018, 362, 1153-1156.	6.0	273
108	Cleaning interfaces in layered materials heterostructures. <i>Nature Communications</i> , 2018, 9, 5387.	5.8	272

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109	Electrically tunable low-density superconductivity in a monolayer topological insulator. <i>Science</i> , 2018, 362, 926-929.	6.0	271
110	High Responsivity Phototransistors Based on Few-Layer ReS_2 for Weak Signal Detection. <i>Advanced Functional Materials</i> , 2016, 26, 1938-1944.	7.8	270
111	Probing dark excitons in atomically thin semiconductors via near-field coupling to surface plasmon polaritons. <i>Nature Nanotechnology</i> , 2017, 12, 856-860.	15.6	270
112	Ballistic Majorana nanowire devices. <i>Nature Nanotechnology</i> , 2018, 13, 192-197.	15.6	270
113	Direct Chemical Vapor Deposition Growth of WS_2 Atomic Layers on Hexagonal Boron Nitride. <i>ACS Nano</i> , 2014, 8, 8273-8277.	7.3	267
114	Strongly correlated Chern insulators in magic-angle twisted bilayer graphene. <i>Nature</i> , 2020, 588, 610-615.	13.7	262
115	Interfacial ferroelectricity by van der Waals sliding. <i>Science</i> , 2021, 372, 1462-1466.	6.0	262
116	Electric field-tunable superconductivity in alternating-twist magic-angle trilayer graphene. <i>Science</i> , 2021, 371, 1133-1138.	6.0	261
117	Acoustic terahertz graphene plasmons revealed by photocurrent nanoscopy. <i>Nature Nanotechnology</i> , 2017, 12, 31-35.	15.6	257
118	Giant Nonlocality Near the Dirac Point in Graphene. <i>Science</i> , 2011, 332, 328-330.	6.0	255
119	Electrical control of interlayer exciton dynamics in atomically thin heterostructures. <i>Science</i> , 2019, 366, 870-875.	6.0	255
120	Electron optics with p-n junctions in ballistic graphene. <i>Science</i> , 2016, 353, 1522-1525.	6.0	253
121	Interlayer Exciton Optoelectronics in a 2D Heterostructure p-n Junction. <i>Nano Letters</i> , 2017, 17, 638-643.	4.5	253
122	Tuning quantum nonlocal effects in graphene plasmonics. <i>Science</i> , 2017, 357, 187-191.	6.0	251
123	Strongly correlated electrons and hybrid excitons in a moiré heterostructure. <i>Nature</i> , 2020, 580, 472-477.	13.7	250
124	Electrically switchable Berry curvature dipole in the monolayer topological insulator WTe_2 . <i>Nature Physics</i> , 2018, 14, 900-906.	6.5	249
125	Atomically thin quantum light-emitting diodes. <i>Nature Communications</i> , 2016, 7, 12978.	5.8	242
126	Approaching the intrinsic photoluminescence linewidth in transition metal dichalcogenide monolayers. <i>2D Materials</i> , 2017, 4, 031011.	2.0	242

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127	Mapping the twist-angle disorder and Landau levels in magic-angle graphene. <i>Nature</i> , 2020, 581, 47-52.	13.7	241
128	Ballistic Transport Exceeding $28 \frac{h}{4m}$ in CVD Grown Graphene. <i>Nano Letters</i> , 2016, 16, 1387-1391.	4.5	240
129	Large linear-in-temperature resistivity in twisted bilayer graphene. <i>Nature Physics</i> , 2019, 15, 1011-1016.	6.5	240
130	Atomically Thin CrCl ₃ : An In-Plane Layered Antiferromagnetic Insulator. <i>Nano Letters</i> , 2019, 19, 3993-3998.	4.5	240
131	Low-Temperature Ohmic Contact to Monolayer MoS ₂ by van der Waals Bonded Co ₂ h ₂ i-BN Electrodes. <i>Nano Letters</i> , 2017, 17, 4781-4786.	4.5	233
132	High-Mobility Holes in Dual-Gated WSe ₂ Field-Effect Transistors. <i>ACS Nano</i> , 2015, 9, 10402-10410.	7.3	232
133	WSe ₂ Light-Emitting Tunneling Transistors with Enhanced Brightness at Room Temperature. <i>Nano Letters</i> , 2015, 15, 8223-8228.	4.5	231
134	Elasticity of hexagonal boron nitride: Inelastic x-ray scattering measurements. <i>Physical Review B</i> , 2006, 73, .	1.1	230
135	Tuning Ising superconductivity with layer and spin-orbit coupling in two-dimensional transition-metal dichalcogenides. <i>Nature Communications</i> , 2018, 9, 1427.	5.8	230
136	Tunable symmetry breaking and helical edge transport in a graphene quantum spin Hall state. <i>Nature</i> , 2014, 505, 528-532.	13.7	229
137	Observation of ultralong valley lifetime in WSe ₂ /MoS ₂ heterostructures. <i>Science Advances</i> , 2017, 3, e1700518.	4.7	226
138	Superconductivity in metallic twisted bilayer graphene stabilized by WSe ₂ . <i>Nature</i> , 2020, 583, 379-384.	13.7	225
139	Dielectric disorder in two-dimensional materials. <i>Nature Nanotechnology</i> , 2019, 14, 832-837.	15.6	223
140	Nematicity and competing orders in superconducting magic-angle graphene. <i>Science</i> , 2021, 372, 264-271.	6.0	223
141	Spin Lifetimes Exceeding 12 ns in Graphene Nonlocal Spin Valve Devices. <i>Nano Letters</i> , 2016, 16, 3533-3539.	4.5	214
142	Polarization switching and electrical control of interlayer excitons in two-dimensional van der Waals heterostructures. <i>Nature Photonics</i> , 2019, 13, 131-136.	15.6	214
143	Imaging viscous flow of the Dirac fluid in graphene. <i>Nature</i> , 2020, 583, 537-541.	13.7	213
144	Autonomous robotic searching and assembly of two-dimensional crystals to build van der Waals superlattices. <i>Nature Communications</i> , 2018, 9, 1413.	5.8	212

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145	Quantum Hall effect and Landau-level crossing of Dirac fermions in trilayer graphene. <i>Nature Physics</i> , 2011, 7, 621-625.	6.5	211
146	Gate tunable quantum oscillations in air-stable and high mobility few-layer phosphorene heterostructures. <i>2D Materials</i> , 2015, 2, 011001.	2.0	209
147	Néel-type skyrmion in <i>WTe₂/Fe₃GeTe₂</i> van der Waals heterostructure. <i>Nature Communications</i> , 2020, 11, 3860.	5.8	208
148	Waveguide-integrated van der Waals heterostructure photodetector at telecom wavelengths with high speed and high responsivity. <i>Nature Nanotechnology</i> , 2020, 15, 118-124.	15.6	208
149	Gate-tunable van der Waals heterostructure for reconfigurable neural network vision sensor. <i>Science Advances</i> , 2020, 6, eaba6173.	4.7	202
150	Resonant terahertz detection using graphene plasmons. <i>Nature Communications</i> , 2018, 9, 5392.	5.8	198
151	Measuring Hall viscosity of graphene's electron fluid. <i>Science</i> , 2019, 364, 162-165.	6.0	197
152	Flat bands in twisted bilayer transition metal dichalcogenides. <i>Nature Physics</i> , 2020, 16, 1093-1096.	6.5	197
153	Electron Doping of Ultrathin Black Phosphorus with Cu Adatoms. <i>Nano Letters</i> , 2016, 16, 2145-2151.	4.5	196
154	Ballistic Josephson junctions in edge-contacted graphene. <i>Nature Nanotechnology</i> , 2015, 10, 761-764.	15.6	194
155	Correlated Insulating States in Twisted Double Bilayer Graphene. <i>Physical Review Letters</i> , 2019, 123, 197702.	2.9	194
156	Characterization and manipulation of individual defects in insulating hexagonal boron nitride using scanning tunnelling microscopy. <i>Nature Nanotechnology</i> , 2015, 10, 949-953.	15.6	192
157	Chern insulators, van Hove singularities and topological flat bands in magic-angle twisted bilayer graphene. <i>Nature Materials</i> , 2021, 20, 488-494.	13.3	192
158	Reconfigurable logic and neuromorphic circuits based on electrically tunable two-dimensional homojunctions. <i>Nature Electronics</i> , 2020, 3, 383-390.	13.1	191
159	Vibrational Properties of Hexagonal Boron Nitride: Inelastic X-Ray Scattering and <i>Ab Initio</i> Calculations. <i>Physical Review Letters</i> , 2007, 98, 095503.	2.9	190
160	Gate-controlled topological conducting channels in bilayer graphene. <i>Nature Nanotechnology</i> , 2016, 11, 1060-1065.	15.6	188
161	Boron concentration dependence of Raman spectra on {100} and {111} facets of B-doped CVD diamond. <i>Diamond and Related Materials</i> , 1998, 7, 1719-1722.	1.8	187
162	Excitonic luminescence upconversion in a two-dimensional semiconductor. <i>Nature Physics</i> , 2016, 12, 323-327.	6.5	187

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163	Visualization of moiré superlattices. <i>Nature Nanotechnology</i> , 2020, 15, 580-584.	15.6	187
164	Charge-tuneable biexciton complexes in monolayer WSe ₂ . <i>Nature Communications</i> , 2018, 9, 3721.	5.8	185
165	Graphene based heterostructures. <i>Solid State Communications</i> , 2012, 152, 1275-1282.	0.9	184
166	Heterointerface effects in the electrointercalation of van der Waals heterostructures. <i>Nature</i> , 2018, 558, 425-429.	13.7	184
167	Adalimumab Monotherapy and a Combination with Azathioprine for Crohn's Disease: A Prospective, Randomized Trial. <i>Journal of Crohn's and Colitis</i> , 2016, 10, 1259-1266.	0.6	182
168	Ballistic superconductivity in semiconductor nanowires. <i>Nature Communications</i> , 2017, 8, 16025.	5.8	181
169	Quantum anomalous Hall effect from intertwined moiré bands. <i>Nature</i> , 2021, 600, 641-646.	13.7	181
170	BN/Graphene/BN Transistors for RF Applications. <i>IEEE Electron Device Letters</i> , 2011, 32, 1209-1211.	2.2	179
171	Quantum oscillations of the critical current and high-field superconducting proximity in ballistic graphene. <i>Nature Physics</i> , 2016, 12, 318-322.	6.5	179
172	Revealing exciton masses and dielectric properties of monolayer semiconductors with high magnetic fields. <i>Nature Communications</i> , 2019, 10, 4172.	5.8	179
173	Electrical switching of magnetic order in an orbital Chern insulator. <i>Nature</i> , 2020, 588, 66-70.	13.7	179
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