

# Christian Schnenberger

## List of Publications by Citations

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241  
papers

15,209  
citations

66  
h-index

118  
g-index

260  
ext. papers

16,542  
ext. citations

7.1  
avg, IF

6.35  
L-index

#	Paper	IF	Citations
241	Electrical conduction through DNA molecules. <i>Nature</i> , <b>1999</b> , 398, 407-10	50.4	951
240	Aharonov-Bohm oscillations in carbon nanotubes. <i>Nature</i> , <b>1999</b> , 397, 673-675	50.4	659
239	Template Synthesis of Nanowires in Porous Polycarbonate Membranes: Electrochemistry and Morphology. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 5497-5505	3.4	436
238	Cooper pair splitter realized in a two-quantum-dot Y-junction. <i>Nature</i> , <b>2009</b> , 461, 960-3	50.4	345
237	The fermionic Hanbury Brown and Twiss experiment. <i>Science</i> , <b>1999</b> , 284, 296-8	33.3	325
236	Electric field control of spin transport. <i>Nature Physics</i> , <b>2005</b> , 1, 99-102	16.2	305
235	Molecular junctions based on aromatic coupling. <i>Nature Nanotechnology</i> , <b>2008</b> , 3, 569-74	28.7	293
234	Hybrid superconductor-quantum dot devices. <i>Nature Nanotechnology</i> , <b>2010</b> , 5, 703-11	28.7	283
233	Light-controlled conductance switching of ordered metal-molecule-metal devices. <i>Nano Letters</i> , <b>2009</b> , 9, 76-80	11.5	282
232	Nanomechanics of microtubules. <i>Physical Review Letters</i> , <b>2002</b> , 89, 248101	7.4	276
231	Contacting carbon nanotubes selectively with low-ohmic contacts for four-probe electric measurements. <i>Applied Physics Letters</i> , <b>1998</b> , 73, 274-276	3.4	267
230	Nernst limit in dual-gated Si-nanowire FET sensors. <i>Nano Letters</i> , <b>2010</b> , 10, 2268-74	11.5	261
229	Colloidal Dispersions of Gold Rods: Synthesis and Optical Properties. <i>Langmuir</i> , <b>2000</b> , 16, 451-458	4	260
228	Interference and Interaction in multi-wall carbon nanotubes. <i>Applied Physics A: Materials Science and Processing</i> , <b>1999</b> , 69, 283-295	2.6	254
227	Quantum dot in the Kondo regime coupled to superconductors. <i>Physical Review Letters</i> , <b>2002</b> , 89, 256801	7.4	241
226	What Are the "Holes" in Self-Assembled Monolayers of Alkanethiols on Gold?. <i>Langmuir</i> , <b>1994</b> , 10, 611-614	14	240
225	Electrochemical carbon nanotube field-effect transistor. <i>Applied Physics Letters</i> , <b>2001</b> , 78, 1291-1293	3.4	237

224	Observation of single charge carriers by force microscopy. <i>Physical Review Letters</i> , <b>1990</b> , 65, 3162-3164	7.4	225
223	Aqueous Gold Sols of Rod-Shaped Particles. <i>Journal of Physical Chemistry B</i> , <b>1997</b> , 101, 852-854	3.4	218
222	Graphene spintronics: the European Flagship perspective. <i>2D Materials</i> , <b>2015</b> , 2, 030202	5.9	198
221	Domain Structure of Self-Assembled Alkanethiol Monolayers on Gold. <i>The Journal of Physical Chemistry</i> , <b>1995</b> , 99, 3259-3271		188
220	Electrical conductance of molecular junctions by a robust statistical analysis. <i>Nano Letters</i> , <b>2006</b> , 6, 2238-2245	11.5	183
219	Electrical conductance of conjugated oligomers at the single molecule level. <i>Journal of the American Chemical Society</i> , <b>2008</b> , 130, 1080-4	16.4	171
218	A differential interferometer for force microscopy. <i>Review of Scientific Instruments</i> , <b>1989</b> , 60, 3131-3134	1.7	163
217	Suppression of tunneling into multiwall carbon nanotubes. <i>Physical Review Letters</i> , <b>2001</b> , 87, 166801	7.4	157
216	Multiwall carbon nanotubes as quantum dots. <i>Physical Review Letters</i> , <b>2002</b> , 88, 156801	7.4	157
215	Shot-Noise Suppression in the Single-Electron Tunneling Regime. <i>Physical Review Letters</i> , <b>1995</b> , 75, 1610-1613	7.4	152
214	Multiple Andreev reflections in a carbon nanotube quantum dot. <i>Physical Review Letters</i> , <b>2003</b> , 91, 057005	7.4	149
213	Quantum Shot Noise. <i>Physics Today</i> , <b>2003</b> , 56, 37-42	0.9	147
212	Ballistic interferences in suspended graphene. <i>Nature Communications</i> , <b>2013</b> , 4, 2342	17.4	141
211	Anomalous coiling of SiGe/Si and SiGe/Si/Cr helical nanobelts. <i>Nano Letters</i> , <b>2006</b> , 6, 1311-7	11.5	141
210	Formation of Holes in Alkanethiol Monolayers on Gold. <i>The Journal of Physical Chemistry</i> , <b>1994</b> , 98, 6826-6834		140
209	Low-bias active control of terahertz waves by coupling large-area CVD graphene to a terahertz metamaterial. <i>Nano Letters</i> , <b>2013</b> , 13, 3193-8	11.5	139
208	Nanometer resolution in luminescence microscopy of III-V heterostructures. <i>Applied Physics Letters</i> , <b>1990</b> , 56, 1564-1566	3.4	139
207	Hall-effect and resistivity study of the heavy-fermion system URu <sub>2</sub> Si <sub>2</sub> . <i>Physical Review B</i> , <b>1987</b> , 35, 5375-5378	3.3	135

206	Spontaneously gapped ground state in suspended bilayer graphene. <i>Physical Review Letters</i> , <b>2012</b> , 108, 076602	7.4	130
205	Graphene transistors are insensitive to pH changes in solution. <i>Nano Letters</i> , <b>2011</b> , 11, 3597-600	11.5	128
204	1/3-shot-noise suppression in diffusive nanowires. <i>Physical Review B</i> , <b>1999</b> , 59, 2871-2880	3.3	128
203	Understanding magnetic force microscopy. <i>European Physical Journal B</i> , <b>1990</b> , 80, 373-383	1.2	125
202	Near-unity Cooper pair splitting efficiency. <i>Physical Review Letters</i> , <b>2012</b> , 109, 157002	7.4	121
201	Reversible Formation of Molecular Junctions in 2D Nanoparticle Arrays. <i>Advanced Materials</i> , <b>2006</b> , 18, 2444-2447	24	113
200	Even-odd effect in Andreev transport through a carbon nanotube quantum dot. <i>Physical Review Letters</i> , <b>2007</b> , 99, 126602	7.4	113
199	Controllable fabrication of SiGe/Si and SiGe/Si/Cr helical nanobelts. <i>Nanotechnology</i> , <b>2005</b> , 16, 655-663	3.4	113
198	Single-Electron Tunnelling Observed At Room Temperature by Scanning-Tunnelling Microscopy. <i>Europhysics Letters</i> , <b>1992</b> , 20, 249-254	1.6	112
197	Finite-bias Cooper pair splitting. <i>Physical Review Letters</i> , <b>2011</b> , 107, 136801	7.4	106
196	Cyclic conductance switching in networks of redox-active molecular junctions. <i>Nano Letters</i> , <b>2010</b> , 10, 759-64	11.5	104
195	Giant magnetoresistance of electrodeposited Co/Cu multilayers. <i>Journal of Magnetism and Magnetic Materials</i> , <b>1995</b> , 148, 455-465	2.8	102
194	Tuning the Josephson current in carbon nanotubes with the Kondo effect. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	97
193	Nanospintronics with carbon nanotubes. <i>Semiconductor Science and Technology</i> , <b>2006</b> , 21, S78-S95	1.8	93
192	Luminescence in scanning tunneling microscopy on III-V nanostructures. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1991</b> , 9, 409		93
191	Understanding the electrolyte background for biochemical sensing with ion-sensitive field-effect transistors. <i>ACS Nano</i> , <b>2012</b> , 6, 9291-8	16.7	85
190	Regulating a benzodifuran single molecule redox switch via electrochemical gating and optimization of molecule/electrode coupling. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 8867-70	16.4	84
189	Quantum Hall effect in graphene with superconducting electrodes. <i>Nano Letters</i> , <b>2012</b> , 12, 1942-5	11.5	82

188	Crossover between classical and quantum shot noise in chaotic cavities. <i>Nature</i> , <b>2002</b> , 415, 765-7	50.4	82
187	Giant fluctuations and gate control of the g-factor in InAs nanowire quantum dots. <i>Nano Letters</i> , <b>2008</b> , 8, 3932-5	11.5	81
186	Observation of Fano resonances in single-wall carbon nanotubes. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	81
185	Snake trajectories in ultraclean graphene p-n junctions. <i>Nature Communications</i> , <b>2015</b> , 6, 6470	17.4	79
184	Large spin relaxation anisotropy and valley-Zeeman spin-orbit coupling in WSe <sub>2</sub> /graphene/h-BN heterostructures. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	78
183	Intrinsic Thermal Vibrations of Suspended Doubly Clamped Single-Wall Carbon Nanotubes. <i>Nano Letters</i> , <b>2003</b> , 3, 1577-1580	11.5	78
182	Shot noise by quantum scattering in chaotic cavities. <i>Physical Review Letters</i> , <b>2001</b> , 86, 2114-7	7.4	78
181	Selective sodium sensing with gold-coated silicon nanowire field-effect transistors in a differential setup. <i>ACS Nano</i> , <b>2013</b> , 7, 5978-83	16.7	75
180	Multiple Andreev reflection and giant excess noise in diffusive superconductor/normal-metal/superconductor junctions. <i>Physical Review B</i> , <b>2000</b> , 62, 4079-4085	3.3	75
179	Finite-bias visibility dependence in an electronic Mach-Zehnder interferometer. <i>Physical Review B</i> , <b>2009</b> , 79,	3.3	70
178	Molecular states in carbon nanotube double quantum dots. <i>Physical Review B</i> , <b>2006</b> , 74,	3.3	70
177	Fabrication of metallic nanowires with a scanning tunneling microscope. <i>Applied Physics Letters</i> , <b>1995</b> , 66, 1325-1327	3.4	67
176	Ferromagnetic proximity effect in a ferromagnet-quantum-dot-superconductor device. <i>Physical Review Letters</i> , <b>2010</b> , 104, 246804	7.4	66
175	High mobility graphene ion-sensitive field-effect transistors by noncovalent functionalization. <i>Nanoscale</i> , <b>2013</b> , 5, 12104-10	7.7	62
174	Ordered nanoparticle arrays interconnected by molecular linkers: electronic and optoelectronic properties. <i>Chemical Society Reviews</i> , <b>2015</b> , 44, 999-1014	58.5	61
173	High-detection efficiency and low-timing jitter with amorphous superconducting nanowire single-photon detectors. <i>Applied Physics Letters</i> , <b>2018</b> , 112, 061103	3.4	61
172	Nonlocal spectroscopy of Andreev bound states. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	61
171	Feedback controlled electromigration in four-terminal nanojunctions. <i>Applied Physics Letters</i> , <b>2007</b> , 91, 053118	3.4	60

170	New cruciform structures: toward coordination induced single molecule switches. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 8337-44	4.2	60
169	Charge flow during metal-insulator contact. <i>Physical Review B</i> , <b>1992</b> , 45, 3861-3864	3.3	60
168	Scalable tight-binding model for graphene. <i>Physical Review Letters</i> , <b>2015</b> , 114, 036601	7.4	58
167	Separation of magnetic and topographic effects in force microscopy. <i>Journal of Applied Physics</i> , <b>1990</b> , 67, 7278-7280	2.5	58
166	Spectroscopy of Molecular Junction Networks Obtained by Place Exchange in 2D Nanoparticle Arrays. <i>Journal of Physical Chemistry C</i> , <b>2007</b> , 111, 18445-18450	3.8	57
165	High-yield fabrication of nm-size gaps in monolayer CVD graphene. <i>Nanoscale</i> , <b>2014</b> , 6, 7249-54	7.7	55
164	Quantum dot coupled to a normal and a superconducting lead. <i>Nanotechnology</i> , <b>2004</b> , 15, S479-S482	3.4	55
163	Electrical conductance of atomic contacts in liquid environments. <i>Small</i> , <b>2005</b> , 1, 1067-70	11	55
162	Guiding of Electrons in a Few-Mode Ballistic Graphene Channel. <i>Nano Letters</i> , <b>2015</b> , 15, 5819-25	11.5	53
161	The Hanbury Brown and Twiss experiment with fermions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 6, 314-317	3	52
160	True reference nanosensor realized with silicon nanowires. <i>Langmuir</i> , <b>2012</b> , 28, 9899-905	4	51
159	Kondo effect in carbon nanotubes at half filling. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	50
158	Electrical spin injection in multiwall carbon nanotubes with transparent ferromagnetic contacts. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 112109	3.4	50
157	New Generation of Moiré Superlattices in Doubly Aligned hBN/Graphene/hBN Heterostructures. <i>Nano Letters</i> , <b>2019</b> , 19, 2371-2376	11.5	49
156	Sensing with Advanced Computing Technology: Fin Field-Effect Transistors with High-k Gate Stack on Bulk Silicon. <i>ACS Nano</i> , <b>2015</b> , 9, 4872-81	16.7	46
155	Signal-to-noise ratio in dual-gated silicon nanoribbon field-effect sensors. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 012114	3.4	46
154	Magnetic Field Tuning and Quantum Interference in a Cooper Pair Splitter. <i>Physical Review Letters</i> , <b>2015</b> , 115, 227003	7.4	43
153	Nanometer lithography on silicon and hydrogenated amorphous silicon with low energy electrons. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1995</b> , 13, 805		43

152	Investigation of the dominant $1/f$ noise source in silicon nanowire sensors. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 191, 270-275	8.5	41
151	Contact resistance dependence of crossed Andreev reflection. <i>Europhysics Letters</i> , <b>2009</b> , 87, 27011	1.6	41
150	Electron heating effects in diffusive metal wires. <i>Applied Physics Letters</i> , <b>1997</b> , 71, 773-775	3.4	41
149	Sensitivity of single multiwalled carbon nanotubes to the environment. <i>New Journal of Physics</i> , <b>2003</b> , 5, 138-138	2.9	41
148	Large-scale fabrication of BN tunnel barriers for graphene spintronics. <i>Journal of Applied Physics</i> , <b>2014</b> , 116, 074306	2.5	40
147	Positive cross correlations in a normal-conducting fermionic beam splitter. <i>Physical Review Letters</i> , <b>2006</b> , 96, 046804	7.4	40
146	Orientation and Positioning of DNA Molecules with an Electric Field Technique. <i>Single Molecules</i> , <b>2002</b> , 3, 189-193		40
145	Quantum-Confined Stark Effect in a MoS Monolayer van der Waals Heterostructure. <i>Nano Letters</i> , <b>2018</b> , 18, 1070-1074	11.5	38
144	Spin transport in fully hexagonal boron nitride encapsulated graphene. <i>Physical Review B</i> , <b>2016</b> , 93,	3.3	37
143	Permalloy-based carbon nanotube spin-valve. <i>Applied Physics Letters</i> , <b>2010</b> , 97, 153116	3.4	37
142	Single-electron tunneling up to room temperature. <i>Physica Scripta</i> , <b>1992</b> , T45, 289-291	2.6	37
141	Ambipolar field-effect transistor on as-grown single-wall carbon nanotubes. <i>Nanotechnology</i> , <b>2003</b> , 14, 327-331	3.4	36
140	Gate tuneable beamsplitter in ballistic graphene. <i>Applied Physics Letters</i> , <b>2015</b> , 107, 251901	3.4	35
139	Local electrical tuning of the nonlocal signals in a Cooper pair splitter. <i>Physical Review B</i> , <b>2014</b> , 90,	3.3	35
138	Interlinking Au nanoparticles in 2D arrays via conjugated dithiolated molecules. <i>New Journal of Physics</i> , <b>2008</b> , 10, 065019	2.9	34
137	Controlled formation of metallic nanowires via Au nanoparticle ac trapping. <i>Nanotechnology</i> , <b>2007</b> , 18, 235202	3.4	34
136	Resonant and Inelastic Andreev Tunneling Observed on a Carbon Nanotube Quantum Dot. <i>Physical Review Letters</i> , <b>2015</b> , 115, 216801	7.4	32
135	Tetrathiafulvalene-based molecular nanowires. <i>Chemical Communications</i> , <b>2007</b> , 4854-6	5.8	32

134	Shot-noise and conductance measurements of transparent superconductor/two-dimensional electron gas junctions. <i>Physical Review B</i> , <b>2005</b> , 72,	3.3	31
133	Physical Properties of Multi-wall Nanotubes <b>2001</b> , 329-391		31
132	Size Dependent Thermopower in Mesoscopic AuFe Wires. <i>Physical Review Letters</i> , <b>1998</b> , 81, 2982-2985	7.4	31
131	Fabrication and characterization of freestanding Si/Cr micro- and nanospirals. <i>Microelectronic Engineering</i> , <b>2006</b> , 83, 1237-1240	2.5	30
130	Resonant tunnelling through a C(60) molecular junction in a liquid environment. <i>Nanotechnology</i> , <b>2005</b> , 16, 2143-8	3.4	30
129	Resistless high resolution optical lithography on silicon. <i>Applied Physics Letters</i> , <b>1995</b> , 67, 2989-2991	3.4	29
128	Clean carbon nanotubes coupled to superconducting impedance-matching circuits. <i>Nature Communications</i> , <b>2015</b> , 6, 7165	17.4	28
127	Andreev bound states probed in three-terminal quantum dots. <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	28
126	Controlling spin in an electronic interferometer with spin-active interfaces. <i>Europhysics Letters</i> , <b>2006</b> , 74, 320-326	1.6	28
125	Optically probing the detection mechanism in a molybdenum silicide superconducting nanowire single-photon detector. <i>Applied Physics Letters</i> , <b>2017</b> , 110, 083106	3.4	25
124	Fabry-Pérot Resonances in a Graphene/hBN Moiré Superlattice. <i>Nano Letters</i> , <b>2017</b> , 17, 328-333	11.5	25
123	Entanglement witnessing and quantum cryptography with nonideal ferromagnetic detectors. <i>Physical Review B</i> , <b>2014</b> , 89,	3.3	25
122	Force-conductance correlation in individual molecular junctions. <i>Nanotechnology</i> , <b>2012</b> , 23, 365201	3.4	25
121	Conductance values of alkanedithiol molecular junctions. <i>New Journal of Physics</i> , <b>2008</b> , 10, 065018	2.9	25
120	Fabrication and superconducting properties of nanostructured SFS contacts. <i>Journal of Magnetism and Magnetic Materials</i> , <b>2002</b> , 240, 598-600	2.8	25
119	Optimized fabrication and characterization of carbon nanotube spin valves. <i>Journal of Applied Physics</i> , <b>2014</b> , 115, 174309	2.5	24
118	Spin symmetry of the bilayer graphene ground state. <i>Physical Review B</i> , <b>2013</b> , 87,	3.3	24
117	Competing surface reactions limiting the performance of ion-sensitive field-effect transistors. <i>Sensors and Actuators B: Chemical</i> , <b>2015</b> , 220, 500-507	8.5	22



116	Rendering graphene supports hydrophilic with non-covalent aromatic functionalization for transmission electron microscopy. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 134103	3.4	22
115	Magnetic field and contact resistance dependence of non-local charge imbalance. <i>Nanotechnology</i> , <b>2010</b> , 21, 274002	3.4	22
114	Charge and spin transport in carbon nanotubes. <i>Semiconductor Science and Technology</i> , <b>2006</b> , 21, S1-S9	1.8	22
113	Oligoaryl Cruciform Structures as Model Compounds for Coordination-Induced Single-Molecule Switches. <i>European Journal of Organic Chemistry</i> , <b>2010</b> , 2010, 833-845	3.2	21
112	Shot noise of series quantum point contacts intercalating chaotic cavities. <i>Physical Review B</i> , <b>2002</b> , 66,	3.3	21
111	Microwave Photodetection in an Ultraclean Suspended Bilayer Graphene p-n Junction. <i>Nano Letters</i> , <b>2016</b> , 16, 6988-6993	11.5	21
110	Fabrication of ballistic suspended graphene with local-gating. <i>Carbon</i> , <b>2014</b> , 79, 486-492	10.4	20
109	Nonorganic evaporation mask for superconducting nanodevices. <i>Microelectronic Engineering</i> , <b>1999</b> , 46, 149-152	2.5	20
108	Single-electron tunneling in double-barrier junctions by scanning tunneling microscopy. <i>Applied Surface Science</i> , <b>1993</b> , 67, 222-227	6.7	20
107	One-Dimensional Edge Transport in Few-Layer WTe. <i>Nano Letters</i> , <b>2020</b> , 20, 4228-4233	11.5	19
106	Spin transport in two-layer-CVD-hBN/graphene/hBN heterostructures. <i>Physical Review B</i> , <b>2018</b> , 97,	3.3	19
105	Random telegraph signals in molecular junctions. <i>Journal of Physics Condensed Matter</i> , <b>2014</b> , 26, 474202	1.8	19
104	Restoring the Electrical Properties of CVD Graphene via Physisorption of Molecular Adsorbates. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2017</b> , 9, 25014-25022	9.5	19
103	Decapitation of tungsten field emitter tips during sputter sharpening. <i>Surface Science</i> , <b>1995</b> , 339, L925-L930		19
102	Gigahertz Quantized Charge Pumping in Bottom-Gate-Defined InAs Nanowire Quantum Dots. <i>Nano Letters</i> , <b>2015</b> , 15, 4585-90	11.5	18
101	Cooper-pair splitting in two parallel InAs nanowires. <i>New Journal of Physics</i> , <b>2018</b> , 20, 063021	2.9	18
100	Dual Gated Silicon Nanowire Field Effect Transistors. <i>Procedia Chemistry</i> , <b>2009</b> , 1, 678-681		18
99	Scaling of 1/f noise in tunable break junctions. <i>Physical Review B</i> , <b>2008</b> , 78,	3.3	18

98	Scanning tunneling microscopy as a tool to study surface roughness of sputtered thin films. <i>Journal of Applied Physics</i> , <b>1989</b> , 66, 4258-4261	2.5	18
97	Charge Noise in Organic Electrochemical Transistors. <i>Physical Review Applied</i> , <b>2017</b> , 7,	4.3	17
96	In Situ Strain Tuning in hBN-Encapsulated Graphene Electronic Devices. <i>Nano Letters</i> , <b>2019</b> , 19, 4097-4102	11.5	17
95	Spectroscopy of the superconducting proximity effect in nanowires using integrated quantum dots. <i>Communications Physics</i> , <b>2019</b> , 2,	5.4	17
94	GHz nanomechanical resonator in an ultraclean suspended graphene p-n junction. <i>Nanoscale</i> , <b>2019</b> , 11, 4355-4361	7.7	16
93	Ultraclean single, double, and triple carbon nanotube quantum dots with recessed Re bottom gates. <i>Nano Letters</i> , <b>2013</b> , 13, 4522-6	11.5	16
92	Silicon-based ion-sensitive field-effect transistor shows negligible dependence on salt concentration at constant pH. <i>ChemPhysChem</i> , <b>2012</b> , 13, 1157-60	3.2	15
91	Electrolyte gate dependent high-frequency measurement of graphene field-effect transistor for sensing applications. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 013102	3.4	14
90	Giant Valley-Isospin Conductance Oscillations in Ballistic Graphene. <i>Nano Letters</i> , <b>2017</b> , 17, 5389-5393	11.5	14
89	Conductance properties of nanotubes coupled to superconducting leads: signatures of Andreev states dynamics. <i>Solid State Communications</i> , <b>2004</b> , 131, 625-630	1.6	14
88	The amplitude of non-equilibrium quantum interference in metallic mesoscopic systems. <i>Europhysics Letters</i> , <b>2002</b> , 59, 437-443	1.6	14
87	Magnetic-Field-Independent Subgap States in Hybrid Rashba Nanowires. <i>Physical Review Letters</i> , <b>2020</b> , 125, 017701	7.4	13
86	Coexistence of classical snake states and Aharonov-Bohm oscillations along graphene p-n junctions. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	13
85	Sensor system including silicon nanowire ion sensitive FET arrays and CMOS readout. <i>Sensors and Actuators B: Chemical</i> , <b>2014</b> , 204, 568-577	8.5	13
84	Superconductivity-enhanced conductance fluctuations in few-layer graphene. <i>Nanotechnology</i> , <b>2010</b> , 21, 274005	3.4	13
83	Large oscillating nonlocal voltage in multiterminal single-wall carbon nanotube devices. <i>Physical Review B</i> , <b>2008</b> , 77,	3.3	13
82	Carbon nanotube quantum dots on hexagonal boron nitride. <i>Applied Physics Letters</i> , <b>2014</b> , 105, 023111	3.4	12
81	Signatures of van Hove Singularities Probed by the Supercurrent in a Graphene-hBN Superlattice. <i>Physical Review Letters</i> , <b>2018</b> , 121, 137701	7.4	12

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79	Preamplifier for electric-current noise measurements at low temperatures. <i>Review of Scientific Instruments</i> , <b>1996</b> , 67, 2977-2980	1.7	11
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