

Thomas Ihn

List of Publications by Year in Descending Order

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

340
papers

9,926
citations

52
h-index

84
g-index

371
ext. papers

11,105
ext. citations

5
avg, IF

5.94
L-index

#	Paper	IF	Citations
340	Spin-Selective Equilibration among Integer Quantum Hall Edge Channels.. <i>Physical Review Letters</i> , 2022 , 128, 056802	7.4	0
339	Pauli Blockade of Tunable Two-Electron Spin and Valley States in Graphene Quantum Dots.. <i>Physical Review Letters</i> , 2022 , 128, 067702	7.4	2
338	Scattering between Minivalleys in Twisted Double Bilayer Graphene.. <i>Physical Review Letters</i> , 2022 , 128, 057702	7.4	0
337	Quantum capacitive coupling between large-angle twisted graphene layers. <i>2D Materials</i> , 2022 , 9, 0250139	3.9	0
336	Kondo effect and spin-orbit coupling in graphene quantum dots. <i>Nature Communications</i> , 2021 , 12, 600417.4	7.4	5
335	Electron transport in dual-gated three-layer MoS ₂ . <i>Physical Review Research</i> , 2021 , 3,	3.9	4
334	Shell Filling and Trigonal Warping in Graphene Quantum Dots. <i>Physical Review Letters</i> , 2021 , 126, 147703.4	7.4	6
333	Gate-defined quantum point contact in an InSb two-dimensional electron gas. <i>Physical Review Research</i> , 2021 , 3,	3.9	3
332	Gate-defined Josephson junctions in magic-angle twisted bilayer graphene. <i>Nature Nanotechnology</i> , 2021 , 16, 760-763	28.7	10
331	Fractional Coulomb blockade for quasi-particle tunneling between edge channels. <i>Science Advances</i> , 2021 , 7,	14.3	2
330	Coherent Jetting from a Gate-Defined Channel in Bilayer Graphene. <i>Physical Review Letters</i> , 2021 , 127, 046801	7.4	3
329	Tunable Valley Splitting and Bipolar Operation in Graphene Quantum Dots. <i>Nano Letters</i> , 2021 , 21, 106811073	10.73	13
328	Correlated electron-hole state in twisted double-bilayer graphene. <i>Science</i> , 2021 , 373, 1257-1260	33.3	16
327	Strong photon coupling to the quadrupole moment of an electron in a solid-state qubit. <i>Nature Physics</i> , 2020 , 16, 642-646	16.2	6
326	Automated Tuning of Double Quantum Dots into Specific Charge States Using Neural Networks. <i>Physical Review Applied</i> , 2020 , 13,	4.3	14
325	Fully Automated Identification of Two-Dimensional Material Samples. <i>Physical Review Applied</i> , 2020 , 13,	4.3	6
324	Observation of quantum Hall interferometer phase jumps due to a change in the number of bulk quasiparticles. <i>Physical Review B</i> , 2020 , 101,	3.3	10

323	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2020 , 124, 126802	7.4	26
322	Electron-Hole Interference in an Inverted-Band Semiconductor Bilayer. <i>Physical Review X</i> , 2020 , 10,	9.1	2
321	The electronic thickness of graphene. <i>Science Advances</i> , 2020 , 6, eaay8409	14.3	15
320	Coulomb dominated cavities in bilayer graphene. <i>Physical Review Research</i> , 2020 , 2,	3.9	3
319	Electronic g factor and magnetotransport in InSb quantum wells. <i>Physical Review Research</i> , 2020 , 2,	3.9	2
318	Phonon spectral density in a GaAs/AlGaAs double quantum dot. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
317	Scanning gate microscopy of localized states in a gate-defined bilayer graphene channel. <i>Physical Review Research</i> , 2020 , 2,	3.9	1
316	Combined Minivalley and Layer Control in Twisted Double Bilayer Graphene. <i>Physical Review Letters</i> , 2020 , 125, 176801	7.4	8
315	Auger-spectroscopy in quantum Hall edge channels and the missing energy problem. <i>Nature Communications</i> , 2019 , 10, 3915	17.4	7
314	Gate-defined quantum point contact in an InAs two-dimensional electron gas. <i>Physical Review B</i> , 2019 , 100,	3.3	7
313	Absence of Interlayer Tunnel Coupling of K-Valley Electrons in Bilayer MoS ₂ . <i>Physical Review Letters</i> , 2019 , 123, 117702	7.4	16
312	Electric-field-induced two-dimensional hole gas in undoped GaSb quantum wells. <i>Applied Physics Letters</i> , 2019 , 114, 232102	3.4	4
311	Microwave-Cavity-Detected Spin Blockade in a Few-Electron Double Quantum Dot. <i>Physical Review Letters</i> , 2019 , 122, 213601	7.4	9
310	All-Microwave Control and Dispersive Readout of Gate-Defined Quantum Dot Qubits in Circuit Quantum Electrodynamics. <i>Physical Review Letters</i> , 2019 , 122, 206802	7.4	23
309	Gate-tunable electronic transport in p-type GaSb quantum wells. <i>Physical Review B</i> , 2019 , 99,	3.3	5
308	Quantum transport in high-quality shallow InSb quantum wells. <i>Applied Physics Letters</i> , 2019 , 115, 012103	3.4	8
307	Phase slips and parity jumps in quantum oscillations of inverted InAs/GaSb quantum wells. <i>Physical Review B</i> , 2019 , 99,	3.3	2
306	Charge Detection in Gate-Defined Bilayer Graphene Quantum Dots. <i>Nano Letters</i> , 2019 , 19, 5216-5221	11.5	20

305	Coherent microwave-photon-mediated coupling between a semiconductor and a superconducting qubit. <i>Nature Communications</i> , 2019 , 10, 3011	17.4	18
304	Excited States in Bilayer Graphene Quantum Dots. <i>Physical Review Letters</i> , 2019 , 123, 026803	7.4	39
303	Virtual-photon-mediated spin-qubit-transmon coupling. <i>Nature Communications</i> , 2019 , 10, 5037	17.4	13
302	Gap Opening in Twisted Double Bilayer Graphene by Crystal Fields. <i>Nano Letters</i> , 2019 , 19, 8821-8828	11.5	24
301	Quantum dot thermometry at ultra-low temperature in a dilution refrigerator with a He immersion cell. <i>Review of Scientific Instruments</i> , 2019 , 90, 113901	1.7	4
300	Magneto-transport controlled by Landau polariton states. <i>Nature Physics</i> , 2019 , 15, 186-190	16.2	61
299	Edge channel confinement in a bilayer graphene quantum dot. <i>New Journal of Physics</i> , 2018 , 20, 013013	2.9	4
298	Electrostatically Induced Quantum Point Contacts in Bilayer Graphene. <i>Nano Letters</i> , 2018 , 18, 553-559	11.5	57
297	Gate-tunable quantum dot in a high quality single layer MoS2 van der Waals heterostructure. <i>Applied Physics Letters</i> , 2018 , 112, 123101	3.4	44
296	Floquet Spectroscopy of a Strongly Driven Quantum Dot Charge Qubit with a Microwave Resonator. <i>Physical Review Letters</i> , 2018 , 121, 043603	7.4	21
295	Coherent spin-photon coupling using a resonant exchange qubit. <i>Nature</i> , 2018 , 560, 179-184	50.4	101
294	Spin and Valley States in Gate-Defined Bilayer Graphene Quantum Dots. <i>Physical Review X</i> , 2018 , 8,	9.1	51
293	Coupled Quantum Dots in Bilayer Graphene. <i>Nano Letters</i> , 2018 , 18, 5042-5048	11.5	39
292	Scanning gate experiments: From strongly to weakly invasive probes. <i>Physical Review B</i> , 2018 , 98,	3.3	3
291	Cavity-Mediated Coherent Coupling between Distant Quantum Dots. <i>Physical Review Letters</i> , 2018 , 120, 236801	7.4	7
290	Magnetotransport and lateral confinement in an InSe van der Waals Heterostructure. <i>2D Materials</i> , 2018 , 5, 035040	5.9	6
289	Quasiparticle tunneling in the lowest Landau level. <i>Physical Review B</i> , 2018 , 97,	3.3	2
288	Limiting scattering processes in high-mobility InSb quantum wells grown on GaSb buffer systems. <i>Physical Review Materials</i> , 2018 , 2,	3.2	18

287	Edgeless and purely gate-defined nanostructures in InAs quantum wells. <i>Applied Physics Letters</i> , 2018 , 113, 262103	3.4	2
286	Scanning gate microscopy in a viscous electron fluid. <i>Physical Review B</i> , 2018 , 98,	3.3	31
285	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2018 , 121, 257702	7.4	23
284	Interactions and Magnetotransport through Spin-Valley Coupled Landau Levels in Monolayer MoS ₂ . <i>Physical Review Letters</i> , 2018 , 121, 247701	7.4	56
283	Stable branched electron flow. <i>New Journal of Physics</i> , 2018 , 20, 073015	2.9	6
282	Microwave Photon-Mediated Interactions between Semiconductor Qubits. <i>Physical Review X</i> , 2018 , 8,	9.1	17
281	Transport Through a Network of Topological Channels in Twisted Bilayer Graphene. <i>Nano Letters</i> , 2018 , 18, 6725-6730	11.5	68
280	Strong Coupling Cavity QED with Gate-Defined Double Quantum Dots Enabled by a High Impedance Resonator. <i>Physical Review X</i> , 2017 , 7,	9.1	112
279	Impact of strain on the electronic properties of InAs/GaSb quantum well systems. <i>Physical Review B</i> , 2017 , 95,	3.3	4
278	Fermi edge singularities in transport through lateral GaAs quantum dots. <i>New Journal of Physics</i> , 2017 , 19, 023009	2.9	4
277	Oscillating Magnetoresistance in Graphene p-n Junctions at Intermediate Magnetic Fields. <i>Nano Letters</i> , 2017 , 17, 2852-2857	11.5	9
276	Heat dissipation and fluctuations in a driven quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1600546	1.3	12
275	Anisotropy and Suppression of Spin-Orbit Interaction in a GaAs Double Quantum Dot. <i>Physical Review Letters</i> , 2017 , 119, 176807	7.4	30
274	Passivation of edge states in etched InAs sidewalls. <i>Applied Physics Letters</i> , 2017 , 111, 082101	3.4	9
273	Anomalous Coulomb drag between bilayer graphene and a GaAs electron gas. <i>New Journal of Physics</i> , 2017 , 19, 103042	2.9	6
272	Scattering mechanisms of highest-mobility InAs/AlxGa _{1-x} Sb quantum wells. <i>Physical Review B</i> , 2017 , 95,	3.3	21
271	Edge transport in InAs and InAs/GaSb quantum wells. <i>Physical Review B</i> , 2017 , 96,	3.3	22
270	Temperature-stabilized differential amplifier for low-noise DC measurements. <i>Review of Scientific Instruments</i> , 2017 , 88, 085106	1.7	4

269	Lateral p-n Junction in an Inverted InAs/GaSb Double Quantum Well. <i>Physical Review Letters</i> , 2017 , 118, 206801	7.4	10
268	Gate-Defined One-Dimensional Channel and Broken Symmetry States in MoS van der Waals Heterostructures. <i>Nano Letters</i> , 2017 , 17, 5008-5011	11.5	33
267	Long-range spin coherence in a strongly coupled all-electronic dot-cavity system. <i>Physical Review B</i> , 2017 , 96,	3.3	4
266	Levitated nanoparticle as a classical two-level atom [Invited]. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2017 , 34, C52	1.7	2
265	Equilibrium free energy measurement of a confined electron driven out of equilibrium. <i>Physical Review B</i> , 2016 , 93,	3.3	14
264	Scanning gate imaging in confined geometries. <i>Physical Review B</i> , 2016 , 93,	3.3	8
263	Investigating energy scales of fractional quantum Hall states using scanning gate microscopy. <i>Physical Review B</i> , 2016 , 93,	3.3	1
262	Finite shot noise and electron heating at quantized conductance in high-mobility quantum point contacts. <i>Physical Review B</i> , 2016 , 93,	3.3	7
261	Spin-Orbit Coupling at the Level of a Single Electron. <i>Physical Review Letters</i> , 2016 , 116, 136803	7.4	25
260	Nonlocal Polarization Feedback in a Fractional Quantum Hall Ferromagnet. <i>Physical Review Letters</i> , 2016 , 116, 136804	7.4	5
259	Electron backscattering in a cavity: Ballistic and coherent effects. <i>Physical Review B</i> , 2016 , 94,	3.3	2
258	Measuring the Degeneracy of Discrete Energy Levels Using a GaAs/AlGaAs Quantum Dot. <i>Physical Review Letters</i> , 2016 , 117, 206803	7.4	25
257	Classical origin of conductance oscillations in an integrable cavity. <i>Physical Review B</i> , 2016 , 94,	3.3	3
256	Experimental signatures of the inverted phase in InAs/GaSb coupled quantum wells. <i>Physical Review B</i> , 2016 , 94,	3.3	22
255	Graphene nano-heterostructures for quantum devices. <i>Materials Today</i> , 2016 , 19, 375-381	21.8	11
254	The importance of edges in reactive ion etched graphene nanodevices. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 68-74	2.5	8
253	Band gap and broken chirality in single-layer and bilayer graphene. <i>Physica Status Solidi - Rapid Research Letters</i> , 2016 , 10, 46-57	2.5	10
252	Scanning-gate-induced effects and spatial mapping of a cavity. <i>New Journal of Physics</i> , 2015 , 17, 043043	2.9	12

251	Tunable Fermi surface topology and Lifshitz transition in bilayer graphene. <i>Synthetic Metals</i> , 2015 , 210, 19-31	3.6	18
250	Measuring the local quantum capacitance of graphene using a strongly coupled graphene nanoribbon. <i>Physical Review B</i> , 2015 , 91,	3.3	12
249	Graphene nanoribbons: Relevance of etching process. <i>Journal of Applied Physics</i> , 2015 , 117, 184303	2.5	15
248	Localized charge carriers in graphene nanodevices. <i>Applied Physics Reviews</i> , 2015 , 2, 031301	17.3	62
247	Measurement Back-Action in Stacked Graphene Quantum Dots. <i>Nano Letters</i> , 2015 , 15, 6003-8	11.5	30
246	Wave physics of the graphene lattice emulated in a ripple tank. <i>American Journal of Physics</i> , 2015 , 83, 761-764	0.7	1
245	Nonequilibrium transport in density-modulated phases of the second Landau level. <i>Physical Review B</i> , 2015 , 91,	3.3	7
244	Nonlocal transport via edge states in InAs/GaSb coupled quantum wells. <i>Physical Review B</i> , 2015 , 92,	3.3	42
243	Spin pairs in a weakly coupled many-electron quantum dot. <i>Physical Review B</i> , 2015 , 92,	3.3	3
242	Microwave Emission from Hybridized States in a Semiconductor Charge Qubit. <i>Physical Review Letters</i> , 2015 , 115, 046802	7.4	49
241	Transport Spectroscopy of a Spin-Coherent Dot-Cavity System. <i>Physical Review Letters</i> , 2015 , 115, 166603	7.4	19
240	Capacitive coupling in hybrid graphene/GaAs nanostructures. <i>Applied Physics Letters</i> , 2015 , 107, 023105	3.4	2
239	Influence of etching processes on electronic transport in mesoscopic InAs/GaSb quantum well devices. <i>AIP Advances</i> , 2015 , 5, 077106	1.5	11
238	Graphene nanoribbons with wings. <i>Applied Physics Letters</i> , 2015 , 107, 203107	3.4	0
237	Generation and Detection of Spin Currents in Semiconductor Nanostructures with Strong Spin-Orbit Interaction. <i>Physical Review Letters</i> , 2015 , 114, 206601	7.4	13
236	Mode Specific Backscattering in a Quantum Point Contact. <i>Nano Letters</i> , 2015 , 15, 7994-9	11.5	7
235	Electrolyte gate dependent high-frequency measurement of graphene field-effect transistor for sensing applications. <i>Applied Physics Letters</i> , 2014 , 104, 013102	3.4	14
234	Insulating state and giant nonlocal response in an InAs/GaSb quantum well in the quantum Hall regime. <i>Physical Review Letters</i> , 2014 , 112, 036802	7.4	44

233	Spin-orbit splitting and effective masses in p-type GaAs two-dimensional hole gases. <i>Physical Review B</i> , 2014 , 89,	3.3	27
232	Characterizing wave functions in graphene nanodevices: Electronic transport through ultrashort graphene constrictions on a boron nitride substrate. <i>Physical Review B</i> , 2014 , 90,	3.3	36
231	Experimental probe of topological orders and edge excitations in the second Landau level. <i>Physical Review B</i> , 2014 , 90,	3.3	41
230	Anomalous sequence of quantum Hall liquids revealing a tunable Lifshitz transition in bilayer graphene. <i>Physical Review Letters</i> , 2014 , 113, 116602	7.4	52
229	Fabry-Pérot interference in gapped bilayer graphene with broken anti-Klein tunneling. <i>Physical Review Letters</i> , 2014 , 113, 116601	7.4	63
228	Resonant electron tunneling in a tip-controlled potential landscape. <i>Physical Review B</i> , 2014 , 89,	3.3	10
227	Increasing the π 5/2 gap energy: an analysis of MBE growth parameters. <i>New Journal of Physics</i> , 2014 , 16, 023014	2.9	22
226	Locally induced quantum interference in scanning gate experiments. <i>New Journal of Physics</i> , 2014 , 16, 053031	2.9	9
225	Evaluating charge noise acting on semiconductor quantum dots in the circuit quantum electrodynamics architecture. <i>Applied Physics Letters</i> , 2014 , 105, 063105	3.4	17
224	Interplay of fractional quantum Hall states and localization in quantum point contacts. <i>Physical Review B</i> , 2014 , 89,	3.3	12
223	Field effect in the quantum Hall regime of a high mobility graphene wire. <i>Journal of Applied Physics</i> , 2014 , 116, 073705	2.5	7
222	Imaging the Conductance of Integer and Fractional Quantum Hall Edge States. <i>Physical Review X</i> , 2014 , 4,	9.1	23
221	Characterization of spin-orbit interactions of GaAs heavy holes using a quantum point contact. <i>Physical Review Letters</i> , 2014 , 113, 046801	7.4	22
220	Spectroscopy of equilibrium and nonequilibrium charge transfer in semiconductor quantum structures. <i>Physical Review B</i> , 2014 , 90,	3.3	6
219	Finite-bias spectroscopy of a three-terminal graphene quantum dot in the multilevel regime. <i>Physical Review B</i> , 2014 , 89,	3.3	7
218	Electron magneto-tunneling through single self-assembled InAs quantum dashes. <i>Applied Physics Express</i> , 2014 , 7, 045001	2.4	3
217	A circuit analysis of an in situ tunable radio-frequency quantum point contact. <i>Review of Scientific Instruments</i> , 2013 , 84, 083902	1.7	7
216	Suppression of bulk conductivity in InAs/GaSb broken gap composite quantum wells. <i>Applied Physics Letters</i> , 2013 , 103, 112102	3.4	26

215	Test of the fluctuation theorem for single-electron transport. <i>Journal of Applied Physics</i> , 2013 , 113, 136507	6
214	Origins of conductance anomalies in a p-type GaAs quantum point contact. <i>Physical Review B</i> , 2013 , 87,	3.3 14
213	Aharonov-Bohm rings with strong spin-orbit interaction: the role of sample-specific properties. <i>New Journal of Physics</i> , 2013 , 15, 033029	2.9 3
212	Cyclic depopulation of edge states in a large quantum dot. <i>New Journal of Physics</i> , 2013 , 15, 023035	2.9 14
211	Electronic triple-dot transport through a bilayer graphene island with ultrasmall constrictions. <i>New Journal of Physics</i> , 2013 , 15, 083029	2.9 17
210	Tunable charge detectors for semiconductor quantum circuits. <i>New Journal of Physics</i> , 2013 , 15, 033011	2.9 10
209	Imaging magnetoelectric subbands in ballistic constrictions. <i>New Journal of Physics</i> , 2013 , 15, 083005	2.9 13
208	Interference of electrons in backscattering through a quantum point contact. <i>New Journal of Physics</i> , 2013 , 15, 013056	2.9 16
207	Anisotropic Zeeman shift in p-type GaAs quantum point contacts. <i>Europhysics Letters</i> , 2013 , 102, 37002	1.6 12
206	Comment on "Vacuum Rabi splitting in a semiconductor circuit QED system". <i>Physical Review Letters</i> , 2013 , 111, 249701	7.4 22
205	Single-electron double quantum dot dipole-coupled to a single photonic mode. <i>Physical Review B</i> , 2013 , 88,	3.3 51
204	Preface to Special Topic: Selected Contributions to the 31st International Conference on the Physics of Semiconductors, Zurich, 2012. <i>Journal of Applied Physics</i> , 2013 , 113, 136401	2.5
203	Counting statistics of hole transfer in a p-type GaAs quantum dot with dense excitation spectrum. <i>Physical Review B</i> , 2013 , 88,	3.3 18
202	Quantum dot admittance probed at microwave frequencies with an on-chip resonator. <i>Physical Review B</i> , 2012 , 86,	3.3 51
201	Transport in a three-terminal graphene quantum dot in the multi-level regime. <i>New Journal of Physics</i> , 2012 , 14, 023052	2.9 15
200	Electronic transport in graphene nanostructures on SiO ₂ . <i>Solid State Communications</i> , 2012 , 152, 1306-1310	2
199	Transport through graphene quantum dots. <i>Reports on Progress in Physics</i> , 2012 , 75, 126502	14.4 114
198	Dipole coupling of a double quantum dot to a microwave resonator. <i>Physical Review Letters</i> , 2012 , 108, 046807	7.4 241

197	Fast detection of single-charge tunneling to a graphene quantum dot in a multi-level regime. <i>Applied Physics Letters</i> , 2012 , 101, 012104	3.4	22
196	High-frequency gate manipulation of a bilayer graphene quantum dot. <i>Applied Physics Letters</i> , 2012 , 101, 043107	3.4	16
195	Chemical modification of graphene characterized by Raman and transport experiments. <i>Nanoscale</i> , 2012 , 4, 3781-5	7.7	14
194	Quantum capacitance and density of states of graphene. <i>Physica Scripta</i> , 2012 , T146, 014009	2.6	23
193	Quantum dot occupation and electron dwell time in the cotunneling regime. <i>New Journal of Physics</i> , 2012 , 14, 083003	2.9	5
192	Electron flow in split-gated bilayer graphene. <i>New Journal of Physics</i> , 2012 , 14, 103007	2.9	12
191	Counting statistics in an InAs nanowire quantum dot with a vertically coupled charge detector. <i>Applied Physics Letters</i> , 2012 , 100, 072110	3.4	15
190	Reactive-ion-etched graphene nanoribbons on a hexagonal boron nitride substrate. <i>Applied Physics Letters</i> , 2012 , 101, 203103	3.4	40
189	Irreversibility on the Level of Single-Electron Tunneling. <i>Physical Review X</i> , 2012 , 2,	9.1	73
188	Scanning gate microscopy on a graphene nanoribbon. <i>Applied Physics Letters</i> , 2012 , 101, 063101	3.4	29
187	Optimization of sample-chip design for stub-matched radio-frequency reflectometry measurements. <i>Applied Physics Letters</i> , 2012 , 101, 042112	3.4	10
186	Characterization of a microwave frequency resonator via a nearby quantum dot. <i>Applied Physics Letters</i> , 2011 , 98, 262105	3.4	21
185	Coulomb gap in graphene nanoribbons. <i>Physical Review B</i> , 2011 , 84,	3.3	35
184	Double Layer Local Anodic Oxidation Using Atomic Force Microscopy 2011 , 91-127		1
183	Raman spectroscopy on etched graphene nanoribbons. <i>Journal of Applied Physics</i> , 2011 , 109, 073710	2.5	59
182	Electronic properties of graphene nanostructures. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 243201.8	1.8	78
181	Transport in graphene nanostructures. <i>Frontiers of Physics</i> , 2011 , 6, 271-293	3.7	55
180	Transport through a strongly coupled graphene quantum dot in perpendicular magnetic field. <i>Nanoscale Research Letters</i> , 2011 , 6, 253	5	14

179	Time-resolved charge detection in graphene quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	42
178	Coherent electron-phonon coupling in tailored quantum systems. <i>Nature Communications</i> , 2011 , 2, 239	17.4	37
177	The relevance of electrostatics for scanning-gate microscopy. <i>New Journal of Physics</i> , 2011 , 13, 053013	2.9	16
176	Transport properties of clean quantum point contacts. <i>New Journal of Physics</i> , 2011 , 13, 113006	2.9	44
175	Mapping leakage currents in a nanostructure fabricated via local anodic oxidation. <i>Nanotechnology</i> , 2011 , 22, 295306	3.4	1
174	Imaging the lateral shift of a quantum point contact using scanning gate microscopy. <i>Physical Review B</i> , 2011 , 84,	3.3	19
173	Spatial mapping and manipulation of two tunnel-coupled quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	15
172	The AharonovBohm effect in a side-gated graphene ring. <i>New Journal of Physics</i> , 2010 , 12, 043054	2.9	64
171	Observation of excited states in a graphene double quantum dot. <i>Europhysics Letters</i> , 2010 , 89, 67005	1.6	52
170	An in situ tunable radio-frequency quantum point contact. <i>Applied Physics Letters</i> , 2010 , 97, 202104	3.4	21
169	Highly tunable hybrid quantum dots with charge detection. <i>Applied Physics Letters</i> , 2010 , 97, 152109	3.4	9
168	Integration of a Fabrication Process for an Aluminum Single-Electron Transistor and a Scanning Force Probe for Tuning-Fork-Based Probe Microscopy. <i>Journal of Microelectromechanical Systems</i> , 2010 , 19, 1088-1097	2.5	6
167	Measurement Back-Action in Quantum Point-Contact Charge Sensing. <i>Entropy</i> , 2010 , 12, 1721-1732	2.8	4
166	Evidence for localization and 0.7 anomaly in hole quantum point contacts. <i>Europhysics Letters</i> , 2010 , 91, 67010	1.6	21
165	Phonon-mediated back-action of a charge readout on a double quantum dot. <i>Nanotechnology</i> , 2010 , 21, 274003	3.4	5
164	Gating of high-mobility two-dimensional electron gases in GaAs/AlGaAs heterostructures. <i>New Journal of Physics</i> , 2010 , 12, 043007	2.9	22
163	Suppression of weak antilocalization in InAs nanowires. <i>Physical Review B</i> , 2010 , 81,	3.3	64
162	Energy and transport gaps in etched graphene nanoribbons. <i>Semiconductor Science and Technology</i> , 2010 , 25, 034002	1.8	51

161	Quantum capacitance and density of states of graphene. <i>Applied Physics Letters</i> , 2010 , 96, 152104	3.4	107
160	Spin states in graphene quantum dots. <i>Physical Review Letters</i> , 2010 , 105, 116801	7.4	108
159	A quantum mechanics lab on a chip. <i>Lab on A Chip</i> , 2010 , 10, 2199-202	7.2	1
158	Imaging localized states in graphene nanostructures. <i>Physical Review B</i> , 2010 , 82,	3.3	71
157	Time-resolved charge detection and back-action in quantum circuits. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010 , 42, 803-808	3	2
156	Graphene single-electron transistors. <i>Materials Today</i> , 2010 , 13, 44-50	21.8	99
155	Phase-coherent Electron Transport through Double Dots 2010 , 305-315		
154	Time-resolved charge detection with cross-correlation techniques. <i>Physical Review B</i> , 2009 , 79,	3.3	15
153	Electron-hole crossover in graphene quantum dots. <i>Physical Review Letters</i> , 2009 , 103, 046810	7.4	105
152	Electrons in quantum dots: One by one. <i>Journal of Applied Physics</i> , 2009 , 105, 122401	2.5	8
151	Noise-induced spectral shift measured in a double quantum dot. <i>Physical Review B</i> , 2009 , 80,	3.3	9
150	Breaking of phase symmetry in nonequilibrium Aharonov-Bohm oscillations through a quantum dot. <i>Physical Review B</i> , 2009 , 80,	3.3	12
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