

Klaus Ensslin

List of Publications by Year in descending order

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250
papers

10,084
citations

31902

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45213

90
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all docs

250
docs citations

250
times ranked

7201
citing authors

#	ARTICLE	IF	CITATIONS
1	Fabry-Pérot cavities and quantum dot formation at gate-defined interfaces in twisted double bilayer graphene. 2D Materials, 2022, 9, 014003.	2.0	2
2	High-quality two-dimensional electron gas in undoped InSb quantum wells. Physical Review Research, 2022, 4, .	1.3	10
3	Spin-Selective Equilibration among Integer Quantum Hall Edge Channels. Physical Review Letters, 2022, 128, 056802.	2.9	4
4	Pauli Blockade of Tunable Two-Electron Spin and Valley States in Graphene Quantum Dots. Physical Review Letters, 2022, 128, 067702.	2.9	19
5	Scattering between Minivalleys in Twisted Double Bilayer Graphene. Physical Review Letters, 2022, 128, 057702.	2.9	11
6	Quantum capacitive coupling between large-angle twisted graphene layers. 2D Materials, 2022, 9, 025013.	2.0	2
7	Imaging of Submicroampere Currents in Bilayer Graphene Using a Scanning Diamond Magnetometer. Physical Review Applied, 2022, 17, .	1.5	12
8	Single-Shot Spin Readout in Graphene Quantum Dots. PRX Quantum, 2022, 3, .	3.5	18
9	<i>In situ</i> Tuning of the Electric-Dipole Strength of a Double-Dot Charge Qubit: Charge-Noise Protection and Ultrastrong Coupling. Physical Review X, 2022, 12, .	2.8	20
10	Tunable Valley Splitting and Bipolar Operation in Graphene Quantum Dots. Nano Letters, 2021, 21, 1068-1073.	4.5	35
11	Charge qubit in a triple quantum dot with tunable coherence. Physical Review Research, 2021, 3, .	1.3	9
12	Few-Electron Single and Double Quantum Dots in an InAs Two-Dimensional Electron Gas. PRX Quantum, 2021, 2, .	3.5	5
13	Local signatures of electron-electron scattering in an electronic cavity. Physical Review Research, 2021, 3, .	1.3	0
14	Electron transport in dual-gated three-layer MoS_2 . Physical Review Research, 2021, 3, .	1.3	7
15	Shell Filling and Trigonal Warping in Graphene Quantum Dots. Physical Review Letters, 2021, 126, 147703.	2.9	22
16	Gate-defined quantum point contact in an InSb two-dimensional electron gas. Physical Review Research, 2021, 3, .	1.3	13
17	Superballistic electron flow through a point contact in a Ga[Al]As heterostructure. Physical Review Research, 2021, 3, .	1.3	8
18	Gate-defined Josephson junctions in magic-angle twisted bilayer graphene. Nature Nanotechnology, 2021, 16, 760-763.	15.6	51

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19	Fractional Coulomb blockade for quasi-particle tunneling between edge channels. <i>Science Advances</i> , 2021, 7, .	4.7	7
20	Coherent Jetting from a Gate-Defined Channel in Bilayer Graphene. <i>Physical Review Letters</i> , 2021, 127, 046801.	2.9	17
21	Imaging signatures of the local density of states in an electronic cavity. <i>Physical Review Research</i> , 2021, 3, .	1.3	1
22	Correlated electron-hole state in twisted double-bilayer graphene. <i>Science</i> , 2021, 373, 1257-1260.	6.0	41
23	Kondo effect and spin-orbit coupling in graphene quantum dots. <i>Nature Communications</i> , 2021, 12, 6004.	5.8	27
24	Combined Minivalley and Layer Control in Twisted Double Bilayer Graphene. <i>Physical Review Letters</i> , 2020, 125, 176801.	2.9	15
25	Mechanism and Suppression of Physisorbed-Water-Caused Hysteresis in Graphene FET Sensors. <i>ACS Sensors</i> , 2020, 5, 2940-2949.	4.0	14
26	Strong photon coupling to the quadrupole moment of an electron in a solid-state qubit. <i>Nature Physics</i> , 2020, 16, 642-646.	6.5	23
27	Observation of quantum Hall interferometer phase jumps due to a change in the number of bulk quasiparticles. <i>Physical Review B</i> , 2020, 101, .	1.1	14
28	Tunable Valley Splitting due to Topological Orbital Magnetic Moment in Bilayer Graphene Quantum Point Contacts. <i>Physical Review Letters</i> , 2020, 124, 126802.	2.9	46
29	Electron-Hole Interference in an Inverted-Band Semiconductor Bilayer. <i>Physical Review X</i> , 2020, 10, .	2.8	10
30	The electronic thickness of graphene. <i>Science Advances</i> , 2020, 6, eaay8409.	4.7	35
31	Coulomb dominated cavities in bilayer graphene. <i>Physical Review Research</i> , 2020, 2, .	1.3	5
32	Electronic g factor and magnetotransport in InSb quantum wells. <i>Physical Review Research</i> , 2020, 2, .	1.3	9
33	Phonon spectral density in a GaAs/AlGaAs double quantum dot. <i>Physical Review Research</i> , 2020, 2, .	1.3	4
34	Scanning gate microscopy of localized states in a gate-defined bilayer graphene channel. <i>Physical Review Research</i> , 2020, 2, .	1.3	6
35	Magnetotransport of electrically induced two-dimensional hole gases in undoped GaSb quantum wells. <i>Physical Review Research</i> , 2020, 2, .	1.3	1
36	Quantum transport in high-quality shallow InSb quantum wells. <i>Applied Physics Letters</i> , 2019, 115, .	1.5	17

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37	Charge Detection in Gate-Defined Bilayer Graphene Quantum Dots. Nano Letters, 2019, 19, 5216-5221.	4.5	45
38	Coherent microwave-photon-mediated coupling between a semiconductor and a superconducting qubit. Nature Communications, 2019, 10, 3011.	5.8	40
39	Excited States in Bilayer Graphene Quantum Dots. Physical Review Letters, 2019, 123, 026803.	2.9	66
40	Virtual-photon-mediated spin-qubit-transmon coupling. Nature Communications, 2019, 10, 5037.	5.8	39
41	Gap Opening in Twisted Double Bilayer Graphene by Crystal Fields. Nano Letters, 2019, 19, 8821-8828.	4.5	39
42	Magneto-transport of 2DEGs ultrastrongly coupled to vacuum fields. , 2019, , .		0
43	Large Multidirectional Spin-to-Charge Conversion in Low-Symmetry Semimetal MoTe_2 at Room Temperature. Nano Letters, 2019, 19, 8758-8766.	4.5	81
44	Auger-spectroscopy in quantum Hall edge channels and the missing energy problem. Nature Communications, 2019, 10, 3915.	5.8	16
45	Gate-defined quantum point contact in an InAs two-dimensional electron gas. Physical Review B, 2019, 100, .	1.1	11
46	Absence of Interlayer Tunnel Coupling of K -Valley Electrons in Bilayer MoS_2 . Physical Review Letters, 2019, 123, 117702.	2.9	21
47	Electric-field-induced two-dimensional hole gas in undoped GaSb quantum wells. Applied Physics Letters, 2019, 114, .	1.5	6
48	Microwave-Cavity-Detected Spin Blockade in a Few-Electron Double Quantum Dot. Physical Review Letters, 2019, 122, 213601.	2.9	18
49	All-Microwave Control and Dispersive Readout of Gate-Defined Quantum Dot Qubits in Circuit Quantum Electrodynamics. Physical Review Letters, 2019, 122, 206802.	2.9	44
50	Gate-tunable electronic transport in p -type GaSb quantum wells. Physical Review B, 2019, 99, .	1.1	10
51	Quantum dot thermometry at ultra-low temperature in a dilution refrigerator with a ^4He immersion cell. Review of Scientific Instruments, 2019, 90, 113901.	0.6	5
52	Magneto-transport controlled by Landau polariton states. Nature Physics, 2019, 15, 186-190.	6.5	115
53	Electrostatically Induced Quantum Point Contacts in Bilayer Graphene. Nano Letters, 2018, 18, 553-559.	4.5	83
54	Joule-heating induced thermal voltages in graphene three-terminal nanojunctions. Applied Physics Letters, 2018, 112, 133501.	1.5	4

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55	Gate-tunable quantum dot in a high quality single layer MoS ₂ van der Waals heterostructure. Applied Physics Letters, 2018, 112, .	1.5	60
56	Edgeless and purely gate-defined nanostructures in InAs quantum wells. Applied Physics Letters, 2018, 113, 262103.	1.5	6
57	Scanning gate microscopy in a viscous electron fluid. Physical Review B, 2018, 98, .	1.1	70
58	Topologically Nontrivial Valley States in Bilayer Graphene Quantum Point Contacts. Physical Review Letters, 2018, 121, 257702.	2.9	39
59	Interactions and Magnetotransport through Spin-Valley Coupled Landau Levels in Monolayer MoS ₂ . Physical Review Letters, 2018, 121, 247701.	2.9	80
60	Microwave Photon-Mediated Interactions between Semiconductor Qubits. Physical Review X, 2018, 8, .	2.8	42
61	Transport Through a Network of Topological Channels in Twisted Bilayer Graphene. Nano Letters, 2018, 18, 6725-6730.	4.5	109
62	Gate-Defined Quantum Confinement in InSe-Based van der Waals Heterostructures. Nano Letters, 2018, 18, 3950-3955.	4.5	40
63	Floquet Spectroscopy of a Strongly Driven Quantum Dot Charge Qubit with a Microwave Resonator. Physical Review Letters, 2018, 121, 043603.	2.9	35
64	Coherent spin-photon coupling using a resonant exchange qubit. Nature, 2018, 560, 179-184.	13.7	169
65	Spin and Valley States in Gate-Defined Bilayer Graphene Quantum Dots. Physical Review X, 2018, 8, .	2.8	83
66	Coupled Quantum Dots in Bilayer Graphene. Nano Letters, 2018, 18, 5042-5048.	4.5	64
67	Scanning gate experiments: From strongly to weakly invasive probes. Physical Review B, 2018, 98, .	1.1	13
68	Cavity-Mediated Coherent Coupling between Distant Quantum Dots. Physical Review Letters, 2018, 120, 236801.	2.9	10
69	Strong Coupling Cavity QED with Gate-Defined Double Quantum Dots Enabled by a High Impedance Resonator. Physical Review X, 2017, 7, .	2.8	168
70	Impact of strain on the electronic properties of InAs/GaSb quantum well systems. Physical Review B, 2017, 95, .	1.1	6
71	Oscillating Magnetoresistance in Graphene Junctions at Intermediate Magnetic Fields. Nano Letters, 2017, 17, 2852-2857.	4.5	9
72	Heat dissipation and fluctuations in a driven quantum dot. Physica Status Solidi (B): Basic Research, 2017, 254, 1600546.	0.7	17

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73	Anisotropy and Suppression of Spin-Orbit Interaction in a GaAs Double Quantum Dot. Physical Review Letters, 2017, 119, 176807.	2.9	42
74	Passivation of edge states in etched InAs sidewalls. Applied Physics Letters, 2017, 111, .	1.5	11
75	Scattering mechanisms of highest-mobility InAs quantum wells. Physical Review B, 2017, 95, .	2.9	33
76	Edge transport in InAs and InAs/GaSb quantum wells. Physical Review B, 2017, 96, .	1.1	33
77	Lateral p - n Junction in an Inverted InAs Double Quantum Well. Physical Review Letters, 2017, 118, 206801.	2.9	14
78	Gate-Defined One-Dimensional Channel and Broken Symmetry States in MoS_2 van der Waals Heterostructures. Nano Letters, 2017, 17, 5008-5011.	4.5	39
79	Long-range spin coherence in a strongly coupled all-electronic dot-cavity system. Physical Review B, 2017, 96, .	1.1	7
80	Experimental signatures of the inverted phase in InAs/GaSb coupled quantum wells. Physical Review B, 2016, 94, .	1.1	33
81	Graphene nano-heterostructures for quantum devices. Materials Today, 2016, 19, 375-381.	8.3	14
82	From charge detection to Coulomb drag in hybrid graphene/GaAs devices. , 2016, , .		0
83	The importance of edges in reactive ion etched graphene nanodevices. Physica Status Solidi - Rapid Research Letters, 2016, 10, 68-74.	1.2	9
84	Band gap and broken chirality in single-layer and bilayer graphene. Physica Status Solidi - Rapid Research Letters, 2016, 10, 46-57.	1.2	19
85	Scanning gate imaging in confined geometries. Physical Review B, 2016, 93, .	1.1	13
86	Finite shot noise and electron heating at quantized conductance in high-mobility quantum point contacts. Physical Review B, 2016, 93, .	1.1	7
87	Spin-Orbit Coupling at the Level of a Single Electron. Physical Review Letters, 2016, 116, 136803.	2.9	33
88	Nonlocal Polarization Feedback in a Fractional Quantum Hall Ferromagnet. Physical Review Letters, 2016, 116, 136804.	2.9	6
89	Electron backscattering in a cavity: Ballistic and coherent effects. Physical Review B, 2016, 94, .	1.1	3
90	Measuring the Degeneracy of Discrete Energy Levels Using a GaAs/AlGaAs Quantum Dot. Physical Review Letters, 2016, 117, 206803.	2.9	32

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91	Classical origin of conductance oscillations in an integrable cavity. Physical Review B, 2016, 94, .	1.1	6
92	Nonlocal transport via edge states in InAs/GaSb coupled quantum wells. Physical Review B, 2015, 92, .	1.1	54
93	Microwave Emission from Hybridized States in a Semiconductor Charge Qubit. Physical Review Letters, 2015, 115, 046802.	2.9	61
94	Transport Spectroscopy of a Spin-Coherent Dot-Cavity System. Physical Review Letters, 2015, 115, 166603.	2.9	26
95	Capacitive coupling in hybrid graphene/GaAs nanostructures. Applied Physics Letters, 2015, 107, 023105.	1.5	3
96	Generation and Detection of Spin Currents in Semiconductor Nanostructures with Strong Spin-Orbit Interaction. Physical Review Letters, 2015, 114, 206601.	2.9	18
97	Mode Specific Backscattering in a Quantum Point Contact. Nano Letters, 2015, 15, 7994-7999.	4.5	7
98	Scanning-gate-induced effects and spatial mapping of a cavity. New Journal of Physics, 2015, 17, 043043.	1.2	16
99	Tunable Fermi surface topology and Lifshitz transition in bilayer graphene. Synthetic Metals, 2015, 210, 19-31.	2.1	27
100	Graphene nanoribbons: Relevance of etching process. Journal of Applied Physics, 2015, 117, 184303.	1.1	15
101	Localized charge carriers in graphene nanodevices. Applied Physics Reviews, 2015, 2, .	5.5	81
102	Wave physics of the graphene lattice emulated in a ripple tank. American Journal of Physics, 2015, 83, 761-764.	0.3	1
103	Evaluating charge noise acting on semiconductor quantum dots in the circuit quantum electrodynamics architecture. Applied Physics Letters, 2014, 105, .	1.5	27
104	Imaging the Conductance of Integer and Fractional Quantum Hall Edge States. Physical Review X, 2014, 4, .	2.8	34
105	Characterization of Spin-Orbit Interactions of GaAs Heavy Holes Using a Quantum Point Contact. Physical Review Letters, 2014, 113, 046801.	2.9	25
106	Spectroscopy of equilibrium and nonequilibrium charge transfer in semiconductor quantum structures. Physical Review B, 2014, 90, .	1.1	7
107	Electron magneto-tunneling through single self-assembled InAs quantum dashes. Applied Physics Express, 2014, 7, 045001.	1.1	6
108	Insulating State and Giant Nonlocal Response in an InAs/GaSb Well in the Quantum Hall Regime. Physical Review Letters, 2014, 112, 036802.	2.9	50

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109	Spin-orbit splitting and effective masses in p -type GaAs two-dimensional hole gases. Physical Review B, 2014, 89, .	1.1	33
110	Ultrannarrow ionization resonances in a quantum dot under broadband excitation. Physical Review B, 2014, 89, .	1.1	0
111	Characterizing wave functions in graphene nanodevices: Electronic transport through ultrashort graphene constrictions on a boron nitride substrate. Physical Review B, 2014, 90, .	1.1	41
112	Anomalous Sequence of Quantum Hall Liquids Revealing a Tunable Lifshitz Transition in Bilayer Graphene. Physical Review Letters, 2014, 113, 116602.	2.9	69
113	Fabry-Pérot Interference in Gapped Bilayer Graphene with Broken Anti-Klein Tunneling. Physical Review Letters, 2014, 113, 116601.	2.9	81
114	Suppression of bulk conductivity in InAs/GaSb broken gap composite quantum wells. Applied Physics Letters, 2013, 103, 112102.	1.5	28
115	Finite element simulations of graphene based three-terminal nanojunction rectifiers. Journal of Applied Physics, 2013, 114, .	1.1	16
116	Test of the fluctuation theorem for single-electron transport. Journal of Applied Physics, 2013, 113, 136507.	1.1	7
117	Electronic triple-dot transport through a bilayer graphene island with ultrasmall constrictions. New Journal of Physics, 2013, 15, 083029.	1.2	19
118	Counting statistics of hole transfer in a p -type GaAs quantum dot with dense excitation spectrum. Physical Review B, 2013, 88, .	1.1	21
119	Counting statistics in an InAs nanowire quantum dot with a vertically coupled charge detector. Applied Physics Letters, 2012, 100, 072110.	1.5	17
120	Reactive-ion-etched graphene nanoribbons on a hexagonal boron nitride substrate. Applied Physics Letters, 2012, 101, .	1.5	42
121	Irreversibility on the Level of Single-Electron Tunneling. Physical Review X, 2012, 2, .	2.8	85
122	Scanning gate microscopy on a graphene nanoribbon. Applied Physics Letters, 2012, 101, 063101.	1.5	32
123	Optimization of sample-chip design for stub-matched radio-frequency reflectometry measurements. Applied Physics Letters, 2012, 101, 042112.	1.5	12
124	Dipole Coupling of a Double Quantum Dot to a Microwave Resonator. Physical Review Letters, 2012, 108, 046807.	2.9	287
125	Fast detection of single-charge tunneling to a graphene quantum dot in a multi-level regime. Applied Physics Letters, 2012, 101, .	1.5	24
126	High-frequency gate manipulation of a bilayer graphene quantum dot. Applied Physics Letters, 2012, 101, 043107.	1.5	17

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127	Coherent electron-phonon coupling in tailored quantum systems. Nature Communications, 2011, 2, 239.	5.8	41
128	Characterization of a microwave frequency resonator via a nearby quantum dot. Applied Physics Letters, 2011, 98, .	1.5	23
129	Coulomb gap in graphene nanoribbons. Physical Review B, 2011, 84, .	1.1	38
130	Nonequilibrium fluctuation relations in a quantum coherent conductor. , 2011, , .		0
131	Raman spectroscopy on etched graphene nanoribbons. Journal of Applied Physics, 2011, 109, .	1.1	60
132	Transport in graphene nanostructures. Frontiers of Physics, 2011, 6, 271-293.	2.4	61
133	Transport properties of clean quantum point contacts. New Journal of Physics, 2011, 13, 113006.	1.2	52
134	Fluctuation theorem and microreversibility in a quantum coherent conductor. Physical Review B, 2011, 83, .	1.1	42
135	Optical polarization of localized hole spins in p-doped quantum wells. Physical Review B, 2011, 84, .	1.1	9
136	Experimental test of Fluctuation Theorem in a quantum coherent conductor. , 2011, , .		0
137	Role of linear and cubic terms for drift-induced Dresselhaus spin-orbit splitting in a two-dimensional electron gas. Physical Review B, 2010, 82, .	1.1	44
138	An in situ tunable radio-frequency quantum point contact. Applied Physics Letters, 2010, 97, 202104.	1.5	23
139	Rectification in three-terminal graphene junctions. Applied Physics Letters, 2010, 97, .	1.5	48
140	Highly tunable hybrid quantum dots with charge detection. Applied Physics Letters, 2010, 97, 152109.	1.5	9
141	Nanostructures in p-GaAs with improved tunability. Applied Physics Letters, 2010, 97, 022110.	1.5	10
142	Suppression of weak antilocalization in InAs nanowires. Physical Review B, 2010, 81, .	1.1	70
143	Quantum capacitance and density of states of graphene. Applied Physics Letters, 2010, 96, .	1.5	131
144	A quantum mechanics lab on a chip. Lab on A Chip, 2010, 10, 2199.	3.1	1

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145	Imaging localized states in graphene nanostructures. Physical Review B, 2010, 82, .	1.1	77
146	Phase-coherent Electron Transport through Double Dots. , 2010, , 305-315.		0
147	Electrons in quantum dots: One by one. Journal of Applied Physics, 2009, 105, 122401.	1.1	8
148	Dynamics of coupled spins in quantum dots with strong spin-orbit interaction. Physical Review B, 2009, 79, .	1.1	16
149	Noise-induced spectral shift measured in a double quantum dot. Physical Review B, 2009, 80, .	1.1	9
150	Breaking of phase symmetry in nonequilibrium Aharonov-Bohm oscillations through a quantum dot. Physical Review B, 2009, 80, .	1.1	13
151	Universality of bias- and temperature-induced dephasing in ballistic electronic interferometers. Physical Review B, 2009, 79, .	1.1	23
152	Correlated counting of single electrons in a nanowire double quantum dot. New Journal of Physics, 2009, 11, 013005.	1.2	14
153	Excited States in an InAs Nanowire Double Quantum Dot measured by Time-Resolved Charge Detection. , 2009, , .		0
154	Investigation of the Aharonovâ€“Bohm effect in a gated graphene ring. Physica Status Solidi (B): Basic Research, 2009, 246, 2756-2759.	0.7	69
155	Graphene quantum dots in perpendicular magnetic fields. Physica Status Solidi (B): Basic Research, 2009, 246, 2553-2557.	0.7	33
156	Inside Back Cover (Phys. Status Solidi B 11â€“12/2009). Physica Status Solidi (B): Basic Research, 2009, 246, .	0.7	0
157	Quantum dots investigated with charge detection techniques. Solid State Communications, 2009, 149, 1419-1426.	0.9	34
158	Electron counting in quantum dots. Surface Science Reports, 2009, 64, 191-232.	3.8	127
159	Statistical electron excitation in a double quantum dot induced by two independent quantum point contacts. Physical Review B, 2009, 79, .	1.1	42
160	Transport through graphene double dots. Applied Physics Letters, 2009, 94, .	1.5	79
161	Observation of excited states in a graphene quantum dot. Applied Physics Letters, 2009, 94, .	1.5	148
162	Spin-orbit interaction and spin relaxation in a two-dimensional electron gas. Physical Review B, 2009, 79, .	1.1	17

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163	Franck's Condon blockade in suspended carbon nanotube quantum dots. Nature Physics, 2009, 5, 327-331.	6.5	267
164	Aharonov-Bohm oscillations in p-type GaAs quantum rings. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1273-1275.	1.3	20
165	Tunable Graphene Single Electron Transistor. Nano Letters, 2008, 8, 2378-2383.	4.5	352
166	Tunable Coulomb blockade in nanostructured graphene. Applied Physics Letters, 2008, 92, .	1.5	248
167	Charge detection in graphene quantum dots. Applied Physics Letters, 2008, 93, 212102.	1.5	111
168	Analytic model of the energy spectrum of a graphene quantum dot in a perpendicular magnetic field. Physical Review B, 2008, 78, .	1.1	131
169	Measuring current by counting electrons in a nanowire quantum dot. Applied Physics Letters, 2008, 92, 152101.	1.5	25
170	Time-Resolved Detection of Single-Electron Interference. Nano Letters, 2008, 8, 2547-2550. Strong spin-orbit interactions and weak antilocalization in carbon-doped	4.5	49
171	$\langle \text{p} \rangle$ type Ga	1.1	61
172	Hysteretic magnetotransport in Al_x with In/Zn/Au Ohmic contacts. Physical Review B, 2008, 77, .	1.1	2
173	QUANTUM DOTS BASED ON PARABOLIC QUANTUM WELLS: IMPORTANCE OF ELECTRONIC CORRELATIONS. International Journal of Modern Physics B, 2007, 21, 1316-1325.	1.0	7
174	Tunable few-electron quantum dots in InAs nanowires. Nanotechnology, 2007, 18, 044014.	1.3	31
175	Measurement of the tip-induced potential in scanning gate experiments. Physical Review B, 2007, 75, .	1.1	39
176	Spin-state mixing in InAs double quantum dots. Physical Review B, 2007, 76, .	1.1	63
177	Suppression of Spin Relaxation in an InAs Nanowire Double Quantum Dot. Physical Review Letters, 2007, 99, 036801.	2.9	113
178	Measurements of higher-order noise correlations in a quantum dot with a finite bandwidth detector. Physical Review B, 2007, 75, .	1.1	71
179	Self-consistent simulation of quantum wires defined by local oxidation of Ga(Al)As heterostructures. Physical Review B, 2007, 76, .	1.1	2
180	Fano effect in a ring-dot system with tunable coupling. AIP Conference Proceedings, 2007, , .	0.3	0

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181	Counting statistics of single electron transport in a quantum dot. AIP Conference Proceedings, 2007, , .	0.3	0
182	A Radio Frequency Quantum Point Contact Charge Read-Out. AIP Conference Proceedings, 2007, , .	0.3	11
183	Hole transport in p-type GaAs quantum dots and point contacts. AIP Conference Proceedings, 2007, , .	0.3	4
184	Quantum dot with internal substructure. AIP Conference Proceedings, 2007, , .	0.3	0
185	Stray-field-induced modification of coherent spin dynamics. AIP Conference Proceedings, 2007, , .	0.3	0
186	Noise measurements in quantum dots using charge detection techniques. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 103-110.	1.3	4
187	Conditional statistics of electron transport in interacting nanoscale conductors. Nature Physics, 2007, 3, 243-247.	6.5	94
188	Measurement of Rashba and Dresselhaus spin-orbit magnetic fields. Nature Physics, 2007, 3, 650-654.	6.5	270
189	Raman mapping of a single-layer to double-layer graphene transition. European Physical Journal: Special Topics, 2007, 148, 171-176.	1.2	26
190	Self-Consistent potential calculation for locally oxidized Ga[Al]As heterostructures. Journal of Computer-Aided Materials Design, 2007, 14, 91-96.	0.7	1
191	Two-subband quantum Hall effect in parabolic quantum wells. AIP Conference Proceedings, 2007, , .	0.3	0
192	Counting Statistics of Single Electron Transport in a Quantum Dot. Physical Review Letters, 2006, 96, 076605.	2.9	458
193	Kondo effect in a three-terminal quantum ring. Physica Status Solidi (B): Basic Research, 2006, 243, 3653-3657.	0.7	3
194	Pinning down the last spin. Nature Physics, 2006, 2, 587-588.	6.5	6
195	Excitation Spectrum of Two Correlated Electrons in a Lateral Quantum Dot with Negligible Zeeman Splitting. Physical Review Letters, 2006, 96, 126806.	2.9	94
196	Counting statistics and super-Poissonian noise in a quantum dot: Time-resolved measurements of electron transport. Physical Review B, 2006, 74, .	1.1	94
197	Gate tunability of stray-field-induced electron spin precession in a GaAs δ -In $_x$ Ga $_{1-x}$ As quantum well below an interdigitated magnetized Fe grating. Physical Review B, 2006, 74, .	1.1	9
198	Two-subband quantum Hall effect in parabolic quantum wells. Physical Review B, 2006, 74, .	1.1	33

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199	Fano effect in a quantum-ringâ€“quantum-dot system with tunable coupling. Physical Review B, 2006, 73, .	1.1	54
200	The Spin Degree of Freedom in Quantum Dots. , 2005, , 229-234.		0
201	Electronic properties of C-doped (100) AlGaAs heterostructures. AIP Conference Proceedings, 2005, , .	0.3	1
202	Time resolved single electron detection in a quantum dot. AIP Conference Proceedings, 2005, , .	0.3	0
203	Spatially resolved manipulation of single electrons in quantum dots using a scanned probe. AIP Conference Proceedings, 2005, , .	0.3	1
204	Multi-terminal transport through semi-conductor quantum dots. AIP Conference Proceedings, 2005, , .	0.3	0
205	Double quantum dot with integrated charge readout fabricated by layered SFM-lithography. AIP Conference Proceedings, 2005, , .	0.3	0
206	Local Investigation of the Classical and Quantum Hall effect. AIP Conference Proceedings, 2005, , .	0.3	0
207	Interplay between the periodic potential modulation and random background scatterers in an antidot lattice. Physical Review B, 2005, 71, .	1.1	10
208	Single-hole transistor in p-type GaAsâˆ•AlGaAs heterostructures. Applied Physics Letters, 2005, 87, 232108.	1.5	36
209	Probing the Kondo Density of States in a Three-Terminal Quantum Ring. Physical Review Letters, 2005, 95, 126603.	2.9	79
210	Multi-terminal transport through a quantum dot in the Coulomb-blockade regime. Europhysics Letters, 2004, 67, 439-445.	0.7	24
211	Kondo Effect in a Many-Electron Quantum Ring. Physical Review Letters, 2004, 93, 176803.	2.9	29
212	Spatially Resolved Manipulation of Single Electrons in Quantum Dots Using a Scanned Probe. Physical Review Letters, 2004, 93, 216801.	2.9	101
213	Single-electron effects in a coupled dot-ring system. Physical Review B, 2004, 69, .	1.1	19
214	Electronic transport through a quantum dot network. Physical Review B, 2004, 70, .	1.1	26
215	Multiple layer local oxidation for fabricating semiconductor nanostructures. Applied Physics Letters, 2004, 85, 3558-3560.	1.5	29
216	Time-resolved detection of individual electrons in a quantum dot. Applied Physics Letters, 2004, 85, 2005-2007.	1.5	120

#	ARTICLE	IF	CITATIONS
217	Charging effects of ErAs islands embedded in AlGaAs heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 426-429.	1.3	0
218	AFM-defined antidot lattices with top- and back-gate tunability. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 749-752.	1.3	0
219	Charge tunable ErAs islands for backgate isolation in AlGaAs heterostructures. <i>Applied Physics Letters</i> , 2003, 82, 2631-2633.	1.5	15
220	Stability of spin states in quantum dots. <i>Physical Review B</i> , 2002, 66, .	1.1	51
221	Electronic properties of antidot lattices fabricated by atomic force lithography. <i>Applied Physics Letters</i> , 2002, 80, 252-254.	1.5	29
222	Invited Review Electronic properties of nanostructures defined in Ga[Al]As heterostructures by local oxidation. <i>Superlattices and Microstructures</i> , 2002, 31, 19-42.	1.4	74
223	Tunnelling between edge channels in the quantum hall regime manipulated with a scanning force microscope. <i>Microelectronic Engineering</i> , 2002, 63, 81-85.	1.1	1
224	Transport properties of quantum dots with steep walls. <i>Physical Review B</i> , 2001, 63, .	1.1	28
225	Detailed analysis of forces influencing lateral resolution for Q-control and tapping mode. <i>Applied Physics Letters</i> , 2001, 79, 135-137.	1.5	50
226	Phase Diagram of a Quantum Dot with Steep Walls in Strong Magnetic Fields. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 555-560.	0.7	0
227	Investigation of Spin Pairing in a Semiconductor Quantum Dot. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 561-565.	0.7	0
228	Single-hole transistor in a p-Si/SiGe quantum well. <i>Applied Physics Letters</i> , 2001, 78, 341-343.	1.5	15
229	Investigation of Spin Pairing in a Semiconductor Quantum Dot. , 2001, 224, 561.		1
230	Optical and structural analysis of Ge quantum dots embedded in strained Si quantum wells grown on patterned substrates. <i>Materials Research Society Symposia Proceedings</i> , 2000, 638, 1.	0.1	0
231	The Spin Degree of Freedom in Quantum Dots. <i>Fortschritte Der Physik</i> , 2000, 48, 999-1004.	1.5	1
232	Force-distance studies with piezoelectric tuning forks below 4.2 K. <i>Applied Surface Science</i> , 2000, 157, 290-294.	3.1	33
233	In-plane Gate Single Electron Transistor Fabricated by AFM Lithography. <i>Journal of Low Temperature Physics</i> , 2000, 118, 333-342.	0.6	2
234	InAs-ALs quantum wells in tilted magnetic fields. <i>Physical Review B</i> , 2000, 61, 13045-13049.	1.1	48

#	ARTICLE	IF	CITATIONS
235	Operation characteristics of piezoelectric quartz tuning forks in high magnetic fields at liquid helium temperatures. <i>Review of Scientific Instruments</i> , 2000, 71, 1695-1697.	0.6	74
236	Analysis of the Metallic Phase of Two-Dimensional Holes in SiGe in Terms of Temperature Dependent Screening. <i>Physical Review Letters</i> , 2000, 85, 4357-4360.	2.9	32
237	Size control of carbon-induced Ge quantum dots. <i>Applied Physics Letters</i> , 2000, 77, 3218-3220.	1.5	17
238	Coexistence of weak localization and a metallic phase in Si/SiGe quantum wells. <i>Physical Review B</i> , 2000, 61, R5082-R5085.	1.1	41
239	A low-temperature dynamic mode scanning force microscope operating in high magnetic fields. <i>Review of Scientific Instruments</i> , 1999, 70, 2765-2768.	0.6	98
240	Individual scatterers as microscopic origin of equilibration between spin-polarized edge channels in the quantum Hall regime. <i>Physical Review B</i> , 1999, 59, 2116-2119.	1.1	13
241	Zero-field spin splitting in InAs-AlSb quantum wells revisited. <i>Physical Review B</i> , 1999, 60, R13989-R13992.	1.1	72
242	The Fermionic Hanbury Brown and Twiss Experiment. <i>Science</i> , 1999, 284, 296-298.	6.0	359
243	Nanolithography by local anodic oxidation of metal films using an atomic force microscope. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998, 2, 748-752.	1.3	44
244	In-plane gates and nanostructures fabricated by direct oxidation of semiconductor heterostructures with an atomic force microscope. <i>Applied Physics Letters</i> , 1998, 73, 262-264.	1.5	153
245	Wave Function Spectroscopy in Quantum Wells with Tunable Electron Density. <i>Physical Review Letters</i> , 1997, 79, 5106-5109.	2.9	45
246	Antidot superlattices: Classical chaos and quantum transport. , 1995, , 195-218.		14
247	Phase-coherent electrons in a finite antidot lattice. <i>Physical Review B</i> , 1994, 49, 8510-8513.	1.1	75
248	Single-particle subband spectroscopy in a parabolic quantum well via transport experiments. <i>Physical Review B</i> , 1993, 47, 1366-1378.	1.1	48
249	Magnetotransport through an antidot lattice in GaAs-AlxGa1-xAs heterostructures. <i>Physical Review B</i> , 1990, 41, 12307-12310.	1.1	206
250	Graphene quantum dots: transport experiments and local imaging. , 0, , 296-316.		0