

Charles M Marcus

List of Publications by Year in descending order

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232
papers

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232
times ranked

15133
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent Manipulation of Coupled Electron Spins in Semiconductor Quantum Dots. <i>Science</i> , 2005, 309, 2180-2184.	12.6	2,674
2	Quantum Hall Effect in a Gate-Controlled p-n Junction of Graphene. <i>Science</i> , 2007, 317, 638-641.	12.6	919
3	Stability of analog neural networks with delay. <i>Physical Review A</i> , 1989, 39, 347-359.	2.5	896
4	Exponential protection of zero modes in Majorana islands. <i>Nature</i> , 2016, 531, 206-209.	27.8	877
5	Majorana bound state in a coupled quantum-dot hybrid-nanowire system. <i>Science</i> , 2016, 354, 1557-1562.	12.6	816
6	Majorana zero modes in superconductor-semiconductor heterostructures. <i>Nature Reviews Materials</i> , 2018, 3, 52-68.	48.7	680
7	Superconductor-nanowire devices from tunneling to the multichannel regime: Zero-bias oscillations and magnetoconductance crossover. <i>Physical Review B</i> , 2013, 87, .	3.2	657
8	Conductance fluctuations and chaotic scattering in ballistic microstructures. <i>Physical Review Letters</i> , 1992, 69, 506-509.	7.8	601
9	An Adiabatic Quantum Electron Pump. <i>Science</i> , 1999, 283, 1905-1908.	12.6	578
10	Triplet-singlet spin relaxation via nuclei in a double quantum dot. <i>Nature</i> , 2005, 435, 925-928.	27.8	458
11	Scalable designs for quasiparticle-poisoning-protected topological quantum computation with Majorana zero modes. <i>Physical Review B</i> , 2017, 95, .	3.2	444
12	Gate-Controlled Spin-Orbit Quantum Interference Effects in Lateral Transport. <i>Physical Review Letters</i> , 2003, 90, 076807.	7.8	393
13	Milestones Toward Majorana-Based Quantum Computing. <i>Physical Review X</i> , 2016, 6, .	8.9	387
14	Epitaxy of semiconductor-superconductor nanowires. <i>Nature Materials</i> , 2015, 14, 400-406.	27.5	381
15	Hot Carrier Transport and Photocurrent Response in Graphene. <i>Nano Letters</i> , 2011, 11, 4688-4692.	9.1	380
16	Gate-Activated Photoresponse in a Graphene p-n Junction. <i>Nano Letters</i> , 2011, 11, 4134-4137.	9.1	379
17	Manipulation of a Single Charge in a Double Quantum Dot. <i>Physical Review Letters</i> , 2004, 93, 186802.	7.8	377
18	Low-Temperature Fate of the 0.7 Structure in a Point Contact: A Kondo-like Correlated State in an Open System. <i>Physical Review Letters</i> , 2002, 88, 226805.	7.8	363

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19	Fault-tolerant architecture for quantum computation using electrically controlled semiconductor spins. <i>Nature Physics</i> , 2005, 1, 177-183.	16.7	357
20	Scaling of Majorana Zero-Bias Conductance Peaks. <i>Physical Review Letters</i> , 2017, 119, 136803.	7.8	338
21	Hard gap in epitaxial semiconductor-superconductor nanowires. <i>Nature Nanotechnology</i> , 2015, 10, 232-236.	31.5	331
22	Electron Transport in Quantum Dots. , 1997, , 105-214.		328
23	Tunable Nonlocal Spin Control in a Coupled-Quantum Dot System. <i>Science</i> , 2004, 304, 565-567.	12.6	320
24	Precision cutting and patterning of graphene with helium ions. <i>Nanotechnology</i> , 2009, 20, 455301.	2.6	303
25	Relaxation, dephasing, and quantum control of electron spins in double quantum dots. <i>Physical Review B</i> , 2007, 76, .	3.2	302
26	Controlled fabrication of metallic electrodes with atomic separation. <i>Applied Physics Letters</i> , 1999, 74, 2084-2086.	3.3	299
27	A Ge/Si heterostructure nanowire-based double quantum dot with integrated charge sensor. <i>Nature Nanotechnology</i> , 2007, 2, 622-625.	31.5	287
28	Quasi-Particle Properties from Tunneling in the $\nu = 5/2$ Fractional Quantum Hall State. <i>Science</i> , 2008, 320, 899-902.	12.6	287
29	Semiconductor-Nanowire-Based Superconducting Qubit. <i>Physical Review Letters</i> , 2015, 115, 127001.	7.8	287
30	Etching of Graphene Devices with a Helium Ion Beam. <i>ACS Nano</i> , 2009, 3, 2674-2676.	14.6	283
31	Integrated nanotube circuits: Controlled growth and ohmic contacting of single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 1999, 75, 627-629.	3.3	272
32	Experimental Realization of a Quantum Spin Pump. <i>Physical Review Letters</i> , 2003, 91, 258301.	7.8	264
33	Evidence of topological superconductivity in planar Josephson junctions. <i>Nature</i> , 2019, 569, 89-92.	27.8	261
34	Rapid Single-Shot Measurement of a Singlet-Triplet Qubit. <i>Physical Review Letters</i> , 2009, 103, 160503.	7.8	252
35	Long-Lived Memory for Mesoscopic Quantum Bits. <i>Physical Review Letters</i> , 2003, 90, 206803.	7.8	231
36	Suppressing Spin Qubit Dephasing by Nuclear State Preparation. <i>Science</i> , 2008, 321, 817-821.	12.6	229

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37	Fast single-charge sensing with a rf quantum point contact. Applied Physics Letters, 2007, 91, .	3.3	223
38	Gate-Controlled Superconducting Proximity Effect in Carbon Nanotubes. Science, 1999, 286, 263-265.	12.6	218
39	Coulomb-Modified Fano Resonance in a One-Lead Quantum Dot. Physical Review Letters, 2004, 93, 106803.	7.8	218
40	Two-dimensional epitaxial superconductor-semiconductor heterostructures: A platform for topological superconducting networks. Physical Review B, 2016, 93, .	3.2	211
41	Self-consistent measurement and state tomography of an exchange-only spin qubit. Nature Nanotechnology, 2013, 8, 654-659.	31.5	204
42	Coherent spin manipulation in an exchange-only qubit. Physical Review B, 2010, 82, .	3.2	203
43	Gate-controlled guiding of electrons in graphene. Nature Nanotechnology, 2011, 6, 222-225.	31.5	203
44	Singlet-triplet spin blockade and charge sensing in a few-electron double quantum dot. Physical Review B, 2005, 72, .	3.2	202
45	Quantum-Dot-Based Resonant Exchange Qubit. Physical Review Letters, 2013, 111, 050501.	7.8	202
46	Statistics and Parametric Correlations of Coulomb Blockade Peak Fluctuations in Quantum Dots. Physical Review Letters, 1996, 76, 1699-1702.	7.8	198
47	Quantum dots. Physics World, 1998, 11, 35-40.	0.0	186
48	Noise Suppression Using Symmetric Exchange Gates in Spin Qubits. Physical Review Letters, 2016, 116, 116801.	7.8	186
49	Hole spin relaxation in Ge/Si core-shell nanowire qubits. Nature Nanotechnology, 2012, 7, 47-50.	31.5	183
50	Adiabatic Quantum Pump of Spin-Polarized Current. Physical Review Letters, 2002, 89, 146802.	7.8	182
51	Local Gate Control of a Carbon Nanotube Double Quantum Dot. Science, 2004, 303, 655-658.	12.6	182
52	Zero-Energy Modes from Coalescing Andreev States in a Two-Dimensional Semiconductor-Superconductor Hybrid Platform. Physical Review Letters, 2017, 119, 176805.	7.8	182
53	Hyperfine-Mediated Gate-Driven Electron Spin Resonance. Physical Review Letters, 2007, 99, 246601.	7.8	173
54	Nonlocality of Majorana modes in hybrid nanowires. Physical Review B, 2018, 98, .	3.2	173

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55	Low-temperature atomic-layer-deposition lift-off method for microelectronic and nanoelectronic applications. <i>Applied Physics Letters</i> , 2003, 83, 2405-2407.	3.3	166
56	Differential Charge Sensing and Charge Delocalization in a Tunable Double Quantum Dot. <i>Physical Review Letters</i> , 2004, 92, 226801.	7.8	160
57	Parity lifetime of bound states in a proximitized semiconductor nanowire. <i>Nature Physics</i> , 2015, 11, 1017-1021.	16.7	160
58	Fast sensing of double-dot charge arrangement and spin state with a radio-frequency sensor quantum dot. <i>Physical Review B</i> , 2010, 81, .	3.2	157
59	Electron-nuclear interaction in ¹³ C nanotube double quantum dots. <i>Nature Physics</i> , 2009, 5, 321-326.	16.7	151
60	Tunneling Spectroscopy of Quasiparticle Bound States in a Spinful Josephson Junction. <i>Physical Review Letters</i> , 2013, 110, 217005.	7.8	151
61	Statistics of Coulomb Blockade Peak Spacings. <i>Physical Review Letters</i> , 1998, 80, 4522-4525.	7.8	149
62	Scaling of Dynamical Decoupling for Spin Qubits. <i>Physical Review Letters</i> , 2012, 108, 086802.	7.8	149
63	Quantized conductance doubling and hard gap in a two-dimensional semiconductor-superconductor heterostructure. <i>Nature Communications</i> , 2016, 7, 12841.	12.8	146
64	A Gate-Controlled Bidirectional Spin Filter Using Quantum Coherence. <i>Science</i> , 2003, 299, 679-682.	12.6	143
65	Spin Polarized Tunneling at Finite Bias. <i>Physical Review Letters</i> , 2005, 94, 196601.	7.8	141
66	Superconducting gatemon qubit based on a proximitized two-dimensional electron gas. <i>Nature Nanotechnology</i> , 2018, 13, 915-919.	31.5	138
67	In vivo magnetic resonance imaging of hyperpolarized silicon particles. <i>Nature Nanotechnology</i> , 2013, 8, 363-368.	31.5	137
68	Non-equilibrium singlet-triplet Kondo effect in carbon nanotubes. <i>Nature Physics</i> , 2006, 2, 460-464.	16.7	134
69	Cotunneling Spectroscopy in Few-Electron Quantum Dots. <i>Physical Review Letters</i> , 2004, 93, 256801.	7.8	131
70	Shot Noise in Graphene. <i>Physical Review Letters</i> , 2008, 100, 156801.	7.8	131
71	Flux-induced topological superconductivity in full-shell nanowires. <i>Science</i> , 2020, 367, .	12.6	129
72	Distinct signatures for Coulomb blockade and Aharonov-Bohm interference in electronic Fabry-Perot interferometers. <i>Physical Review B</i> , 2009, 79, .	3.2	128

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73	Interlaced Dynamical Decoupling and Coherent Operation of a Singlet-Triplet Qubit. Physical Review Letters, 2010, 105, 266808.	7.8	126
74	Relaxation and Dephasing in a Two-Electron C Nanotube Double Quantum Dot. Physical Review Letters, 2009, 102, 166802.	7.8	124
75	Dynamics of iterated-map neural networks. Physical Review A, 1989, 40, 501-504.	2.5	122
76	Dynamic Nuclear Polarization with Single Electron Spins. Physical Review Letters, 2008, 100, 067601.	7.8	118
77	Phase breaking in ballistic quantum dots: Experiment and analysis based on chaotic scattering. Physical Review B, 1993, 48, 2460-2464.	3.2	113
78	Spin-Orbit Coupling, Antilocalization, and Parallel Magnetic Fields in Quantum Dots. Physical Review Letters, 2002, 89, 276803.	7.8	112
79	Detecting Spin-Polarized Currents in Ballistic Nanostructures. Physical Review Letters, 2002, 89, 266602.	7.8	111
80	Ballistic Conductance Fluctuations in Shape Space. Physical Review Letters, 1995, 74, 3876-3879.	7.8	107
81	Transparent Semiconductor-Superconductor Interface and Induced Gap in an Epitaxial Heterostructure Josephson Junction. Physical Review Applied, 2017, 7, .	3.8	104
82	Dephasing in Open Quantum Dots. Physical Review Letters, 1998, 81, 200-203.	7.8	103
83	Spin and Polarized Current from Coulomb Blockaded Quantum Dots. Physical Review Letters, 2003, 91, 016802.	7.8	103
84	Edge transport in the trivial phase of InAs/GaSb. New Journal of Physics, 2016, 18, 083005.	2.9	103
85	Photocurrent, Rectification, and Magnetic Field Symmetry of Induced Current through Quantum Dots. Physical Review Letters, 2003, 91, 246804.	7.8	98
86	Tunable Noise Cross Correlations in a Double Quantum Dot. Physical Review Letters, 2007, 98, 056801.	7.8	97
87	Measurement of Temporal Correlations of the Overhauser Field in a Double Quantum Dot. Physical Review Letters, 2008, 101, 236803.	7.8	95
88	Temperature dependence of phase breaking in ballistic quantum dots. Physical Review B, 1995, 52, 2656-2659.	3.2	94
89	Distributions of the Conductance and its Parametric Derivatives in Quantum Dots. Physical Review Letters, 1998, 81, 1917-1920.	7.8	92
90	Silicon Nanoparticles as Hyperpolarized Magnetic Resonance Imaging Agents. ACS Nano, 2009, 3, 4003-4008.	14.6	92

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91	Collective dynamics of coupled oscillators with random pinning. <i>Physica D: Nonlinear Phenomena</i> , 1989, 36, 23-50.	2.8	89
92	Low-Temperature Saturation of the Dephasing Time and Effects of Microwave Radiation on Open Quantum Dots. <i>Physical Review Letters</i> , 1999, 83, 5090-5093.	7.8	88
93	Conductance fluctuations and quantum chaotic scattering in semiconductor microstructures. <i>Chaos</i> , 1993, 3, 643-653.	2.5	86
94	Gate-Defined Quantum Dots on Carbon Nanotubes. <i>Nano Letters</i> , 2005, 5, 1267-1271.	9.1	86
95	Edge-State Velocity and Coherence in a Quantum Hall Fabry-Pérot Interferometer. <i>Physical Review Letters</i> , 2009, 103, 206806.	7.8	85
96	Correlations Between Ground and Excited State Spectra of a Quantum Dot. <i>Science</i> , 1997, 278, 1784-1788.	12.6	84
97	Transport Signatures of Quasiparticle Poisoning in a Majorana Island. <i>Physical Review Letters</i> , 2017, 118, 137701.	7.8	84
98	Electrical Transport in Single-Wall Carbon Nanotubes. <i>Topics in Applied Physics</i> , 2007, , 455-493.	0.8	83
99	Selective-Area-Grown Semiconductor-Superconductor Hybrids: A Basis for Topological Networks. <i>Physical Review Letters</i> , 2018, 121, 147701.	7.8	83
100	Bends in nanotubes allow electric spin control and coupling. <i>Physical Review B</i> , 2010, 81, .	3.2	82
101	Electric and Magnetic Tuning Between the Trivial and Topological Phases in InAs/GaSb Double Quantum Wells. <i>Physical Review Letters</i> , 2015, 115, 036803.	7.8	82
102	Notch filtering the nuclear environment of a spin qubit. <i>Nature Nanotechnology</i> , 2017, 12, 16-20.	31.5	80
103	Simple Model of Collective Transport with Phase Slippage. <i>Physical Review Letters</i> , 1988, 61, 2380-2383.	7.8	79
104	Associative memory in an analog iterated-map neural network. <i>Physical Review A</i> , 1990, 41, 3355-3364.	2.5	79
105	Charge-State Conditional Operation of a Spin Qubit. <i>Physical Review Letters</i> , 2011, 107, 030506.	7.8	79
106	Snake States along Graphene p - n Junctions. <i>Physical Review Letters</i> , 2011, 107, 046602.	7.8	78
107	Fractional quantum Hall effect in a quantum point contact at filling fraction $5/2$. <i>Nature Physics</i> , 2007, 3, 561-565.	16.7	77
108	Hole Spin Coherence in a Ge/Si Heterostructure Nanowire. <i>Nano Letters</i> , 2014, 14, 3582-3586.	9.1	76

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109	Shot-Noise Signatures of 0.7 Structure and Spin in a Quantum Point Contact. <i>Physical Review Letters</i> , 2006, 97, 036810.	7.8	75
110	Zero-bias peaks at zero magnetic field in ferromagnetic hybrid nanowires. <i>Nature Physics</i> , 2021, 17, 43-47.	16.7	75
111	Effective $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Factor of Subgap States in Hybrid Nanowires. <i>Physical Review Letters</i> , 2018, 121, 037703.	7.8	74
112	Synthesis of Long $\langle i \rangle \langle T \rangle \langle i \rangle \langle \text{sub} \rangle 1 \langle \text{sub} \rangle$ Silicon Nanoparticles for Hyperpolarized $\langle \text{sup} \rangle 29 \langle \text{sup} \rangle$ Si Magnetic Resonance Imaging. <i>ACS Nano</i> , 2013, 7, 1609-1617.	14.6	73
113	Conductance-Matrix Symmetries of a Three-Terminal Hybrid Device. <i>Physical Review Letters</i> , 2020, 124, 036802.	7.8	72
114	Field effect enhancement in buffered quantum nanowire networks. <i>Physical Review Materials</i> , 2018, 2, .	2.4	70
115	Effect of Exchange Interaction on Spin Dephasing in a Double Quantum Dot. <i>Physical Review Letters</i> , 2006, 97, 056801.	7.8	68
116	Laser Cooling and Optical Detection of Excitations in a LCElectrical Circuit. <i>Physical Review Letters</i> , 2011, 107, 273601.	7.8	68
117	Currentâ€“phase relations of few-mode InAs nanowire Josephson junctions. <i>Nature Physics</i> , 2017, 13, 1177-1181.	16.7	68
118	Superconducting, insulating and anomalous metallic regimes in a gated two-dimensional semiconductorâ€“superconductor array. <i>Nature Physics</i> , 2018, 14, 1138-1144.	16.7	68
119	Changing the Electronic Spectrum of a Quantum Dot by Adding Electrons. <i>Physical Review Letters</i> , 1998, 81, 5900-5903.	7.8	67
120	Spin-Orbit Effects in a GaAs Quantum Dot in a Parallel Magnetic Field. <i>Physical Review Letters</i> , 2001, 86, 2106-2109.	7.8	67
121	Fabry-Perot Interferometry with Fractional Charges. <i>Physical Review Letters</i> , 2012, 108, 256804.	7.8	67
122	Spectrum of the Nuclear Environment for GaAs Spin Qubits. <i>Physical Review Letters</i> , 2017, 118, 177702.	7.8	67
123	Pulsed-gate measurements of the singlet-triplet relaxation time in a two-electron double quantum dot. <i>Physical Review B</i> , 2005, 72, .	3.2	66
124	Engineering hybrid epitaxial InAsSb/Al nanowires for stronger topological protection. <i>Physical Review Materials</i> , 2018, 2, .	2.4	65
125	Spin Degeneracy and Conductance Fluctuations in Open Quantum Dots. <i>Physical Review Letters</i> , 2001, 86, 2102-2105.	7.8	64
126	System for measuring auto- and cross correlation of current noise at low temperatures. <i>Review of Scientific Instruments</i> , 2006, 77, 073906.	1.3	63

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127	Gatemon Benchmarking and Two-Qubit Operations. <i>Physical Review Letters</i> , 2016, 116, 150505.	7.8	63
128	Anomalous Fraunhofer interference in epitaxial superconductor-semiconductor Josephson junctions. <i>Physical Review B</i> , 2017, 95, .	3.2	63
129	Direct graphene growth on insulator. <i>Physica Status Solidi (B): Basic Research</i> , 2011, 248, 2619-2622.	1.5	59
130	Quantum Hall conductance of two-terminal graphene devices. <i>Physical Review B</i> , 2009, 80, .	3.2	58
131	Asymmetry of Nonlinear Transport and Electron Interactions in Quantum Dots. <i>Physical Review Letters</i> , 2006, 96, 206802.	7.8	57
132	Solid-State Circuit for Spin Entanglement Generation and Purification. <i>Physical Review Letters</i> , 2005, 94, 236803.	7.8	54
133	Conduction Threshold, Switching, and Hysteresis in Quantum Dot Arrays. <i>Physical Review Letters</i> , 1995, 74, 3237-3240.	7.8	53
134	Controlling Spin Qubits in Quantum Dots. <i>Quantum Information Processing</i> , 2004, 3, 115-132.	2.2	53
135	Relating Andreev Bound States and Supercurrents in Hybrid Josephson Junctions. <i>Physical Review Letters</i> , 2020, 124, 226801.	7.8	53
136	Magnetic field dependence of Pauli spin blockade: A window into the sources of spin relaxation in silicon quantum dots. <i>Physical Review B</i> , 2012, 86, .	3.2	52
137	Ground State Spin and Coulomb Blockade Peak Motion in Chaotic Quantum Dots. <i>Physica Scripta</i> , 2001, T90, 26.	2.5	52
138	Magnetotransport of a two-dimensional electron gas in a spatially random magnetic field. <i>Physical Review B</i> , 1995, 51, 13269-13273.	3.2	51
139	Fixed-point attractors in analog neural computation. <i>Physical Review Letters</i> , 1990, 64, 1986-1989.	7.8	50
140	Quantized Conductance and Large $\langle i \rangle$ -Factor Anisotropy in InSb Quantum Point Contacts. <i>Nano Letters</i> , 2016, 16, 7509-7513.	9.1	49
141	Semiconductorâ€“Ferromagnetic Insulatorâ€“Superconductor Nanowires: Stray Field and Exchange Field. <i>Nano Letters</i> , 2020, 20, 456-462.	9.1	49
142	Noise Correlations in a Coulomb-Blockaded Quantum Dot. <i>Physical Review Letters</i> , 2007, 99, 036603.	7.8	48
143	Normal, superconducting and topological regimes of hybrid double quantum dots. <i>Nature Nanotechnology</i> , 2017, 12, 212-217.	31.5	48
144	Selective-area chemical beam epitaxy of in-plane InAs one-dimensional channels grown on InP(001), InP(111)B, and InP(011) surfaces. <i>Physical Review Materials</i> , 2019, 3, .	2.4	48

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145	Local Gating of Carbon Nanotubes. Nano Letters, 2004, 4, 1-4.	9.1	47
146	Dynamic Nuclear Polarization in Double Quantum Dots. Physical Review Letters, 2010, 104, 226807.	7.8	47
147	Coherent Operations and Screening in Multielectron Spin Qubits. Physical Review Letters, 2014, 112, 026801.	7.8	47
148	Conduction channels of an InAs-Al nanowire Josephson weak link. New Journal of Physics, 2017, 19, 092002.	2.9	47
149	Mesoscopic Fluctuations of Elastic Cotunneling in Coulomb Blockaded Quantum Dots. Physical Review Letters, 1997, 79, 2312-2315.	7.8	46
150	Anomalous Conductance Quantization in Carbon Nanotubes. Physical Review Letters, 2005, 94, 026801.	7.8	46
151	Relaxation and readout visibility of a singlet-triplet qubit in an Overhauser field gradient. Physical Review B, 2012, 85, .	3.2	46
152	Antilocalization of Coulomb Blockade in a Ge/Si Nanowire. Physical Review Letters, 2014, 112, .	7.8	46
153	Parity-Protected Superconductor-Semiconductor Qubit. Physical Review Letters, 2020, 125, 056801.	7.8	46
154	Charge sensing in carbon-nanotube quantum dots on microsecond timescales. Physical Review B, 2006, 73, .	3.2	42
155	Anharmonicity of a superconducting qubit with a few-mode Josephson junction. Physical Review B, 2018, 97, .	3.2	42
156	Photovoltaic and rectification currents in quantum dots. Physical Review B, 2005, 71, .	3.2	39
157	Gate-Defined Graphene Quantum Point Contact in the Quantum Hall Regime. Physical Review Letters, 2011, 107, 036602.	7.8	39
158	Coherent transport through a Majorana island in an Aharonov-Bohm interferometer. Nature Communications, 2020, 11, 3212.	12.8	39
159	Photon-assisted tunnelling of zero modes in a Majorana wire. Nature Physics, 2020, 16, 663-668.	16.7	39
160	Coulomb Blockade Fluctuations in Strongly Coupled Quantum Dots. Physical Review Letters, 1999, 83, 1403-1406.	7.8	38
161	Magnetic Field Control of Exchange and Noise Immunity in Double Quantum Dots. Nano Letters, 2008, 8, 1778-1782.	9.1	38
162	Exchange Control of Nuclear Spin Diffusion in a Double Quantum Dot. Physical Review Letters, 2010, 104, 236802.	7.8	38

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163	Decoupling Edge Versus Bulk Conductance in the Trivial Regime of an InAs/GaSb Quantum Well Using Corbino Ring Geometry. <i>Physical Review Letters</i> , 2016, 117, 077701.	7.8	38
164	Transport Studies of Epi-Al/InAs Two-Dimensional Electron Gas Systems for Required Building-Blocks in Topological Superconductor Networks. <i>Nano Letters</i> , 2019, 19, 3083-3090.	9.1	38
165	Closing of the induced gap in a hybrid superconductor-semiconductor nanowire. <i>Physical Review B</i> , 2021, 103, .	3.2	38
166	Decoherence in Nearly Isolated Quantum Dots. <i>Physical Review Letters</i> , 2001, 87, 206802.	7.8	37
167	Fast spin exchange across a multielectron mediator. <i>Nature Communications</i> , 2019, 10, 1196.	12.8	37
168	End-to-end correlated subgap states in hybrid nanowires. <i>Physical Review B</i> , 2019, 100, .	3.2	36
169	Quantum Dot Parity Effects in Trivial and Topological Josephson Junctions. <i>Physical Review Letters</i> , 2020, 125, 116803.	7.8	35
170	A new mechanism of electric dipole spin resonance: hyperfine coupling in quantum dots. <i>Semiconductor Science and Technology</i> , 2009, 24, 064004.	2.0	34
171	Symmetric operation of the resonant exchange qubit. <i>Physical Review B</i> , 2017, 96, .	3.2	34
172	Hybridization of Subgap States in One-Dimensional Superconductor-Semiconductor Coulomb Islands. <i>Physical Review Letters</i> , 2018, 121, 256803.	7.8	34
173	Suppressed Charge Dispersion via Resonant Tunneling in a Single-Channel Transmon. <i>Physical Review Letters</i> , 2020, 124, 246803.	7.8	34
174	Single-layer graphene on silicon nitride micromembrane resonators. <i>Journal of Applied Physics</i> , 2014, 115, 054513.	2.5	33
175	Giant Spin-Orbit Splitting in Inverted InAs/GaSb Quantum Wells. <i>Physical Review Letters</i> , 2017, 118, 016801.	7.8	33
176	Superconducting Quantum Interference through Trivial Edge States in InAs. <i>Physical Review Letters</i> , 2018, 120, 047702.	7.8	33
177	Voltage-controlled superconducting quantum bus. <i>Physical Review B</i> , 2019, 99, .	3.2	32
178	Shubnikov-de Haas oscillations in a two-dimensional electron gas in a spatially random magnetic field. <i>Physical Review B</i> , 1996, 53, R7599-R7602.	3.2	31
179	Spin-orbit interaction in a dual gated InAs/GaSb quantum well. <i>Physical Review B</i> , 2017, 96, .	3.2	31
180	Radical-free dynamic nuclear polarization using electronic defects in silicon. <i>Physical Review B</i> , 2013, 87, .	3.2	30

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181	Locally Addressable Tunnel Barriers within a Carbon Nanotube. Nano Letters, 2004, 4, 2499-2502.	9.1	29
182	Gate-tunable high mobility remote-doped InSb/In $_{1-x}$ Al $_x$ Sb quantum well heterostructures. Applied Physics Letters, 2015, 106, .	3.3	29
183	Growth of InAs Wurtzite Nanocrosses from Hexagonal and Cubic Basis. Nano Letters, 2017, 17, 6090-6096.	9.1	29
184	Real-Time MRI-Guided Catheter Tracking Using Hyperpolarized Silicon Particles. Scientific Reports, 2015, 5, 12842.	3.3	27
185	Current-phase relations of InAs nanowire Josephson junctions: From interacting to multimode regimes. Physical Review B, 2019, 100, .	3.2	27
186	Negative Spin Exchange in a Multielectron Quantum Dot. Physical Review Letters, 2017, 119, 227701.	7.8	26
187	Spin of a Multielectron Quantum Dot and Its Interaction with a Neighboring Electron. Physical Review X, 2018, 8, .	8.9	26
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