

Yasuhiro Tokura

List of Publications by Year in descending order

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243
papers

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61984

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244
docs citations

244
times ranked

5765
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum-Enhanced Heat Engine Based on Superabsorption. <i>Physical Review Letters</i> , 2022, 128, 180602.	7.8	18
2	Anonymous Quantum Sensing. <i>Journal of the Physical Society of Japan</i> , 2022, 91, .	1.6	3
3	Microwave spectroscopy of spin-orbit coupled states: Energy detuning vs interdot coupling modulation. <i>Journal of Applied Physics</i> , 2020, 128, 154304.	2.5	1
4	Quantum Adiabatic Pumping in Rashba-Dresselhaus-Aharonov-Bohm Interferometer. <i>Entropy</i> , 2019, 21, 828.	2.2	1
5	Quantum Phase Transition of a Spin Coupled with an Engineered Bosonic Reservoir. <i>JPSJ News and Comments</i> , 2019, 16, 15.	0.1	1
6	Strong electron-electron interactions of a Tomonaga-Luttinger liquid observed in InAs quantum wires. <i>Physical Review B</i> , 2019, 99, .	3.2	16
7	Indirect Acquisition of Aharonov-Bohm Phase via the Coulomb-interaction and Breakdown of Onsager-Büttiker Symmetry Relation. <i>Journal of the Physical Society of Japan</i> , 2019, 88, 054717.	1.6	0
8	A waveguide-integrated superconducting nanowire single-photon detector with a spot-size converter on a Si photonics platform. <i>Superconductor Science and Technology</i> , 2019, 32, 034001.	3.5	10
9	Spectroscopy of double quantum dot two-spin states by tuning the interdot barrier. <i>Physical Review B</i> , 2019, 99, .	3.2	6
10	Probing the singlet-triplet splitting in double quantum dots: Implications of the ac field amplitude. <i>Physical Review B</i> , 2019, 100, .	3.2	8
11	Spin-flip quantum transition driven by the time-oscillating Rashba field. <i>Journal of Physics Communications</i> , 2018, 2, 015021.	1.2	1
12	Field-dependent hopping conduction. <i>Physica B: Condensed Matter</i> , 2018, 541, 19-23.	2.7	3
13	Theory of coherent quantum phase slips in Josephson junction chains with periodic spatial modulations. <i>Physical Review B</i> , 2018, 97, .	3.2	8
14	Theory of a Carbon-Nanotube Polarization Switch. <i>Physical Review Applied</i> , 2018, 9, .	3.8	12
15	AC transport and full-counting statistics of molecular junctions in the weak electron-vibration coupling regime. <i>Journal of Chemical Physics</i> , 2017, 146, .	3.0	10
16	Fast phase manipulation of the single nuclear spin in solids by rotating fields. <i>Physical Review A</i> , 2017, 95, .	2.5	0
17	Excess Entropy Production in Quantum System: Quantum Master Equation Approach. <i>Journal of Statistical Physics</i> , 2017, 169, 902-928.	1.2	9
18	Effect of isotropy and anisotropy of the confinement potential on the Rashba spin-orbit interaction for an electron in a two-dimensional quantum dot system. <i>Japanese Journal of Applied Physics</i> , 2017, 56, 075201.	1.5	4

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19	Hybrid quantum magnetic-field sensor with an electron spin and a nuclear spin in diamond. <i>Physical Review A</i> , 2016, 94, .	2.5	19
20	Effect of the Critical and Operational Temperatures on the Sensitivity of HEB Mixers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2016, 6, 238-244.	3.1	8
21	Spin-1 quantum walks. <i>Physical Review A</i> , 2016, 93, .	2.5	3
22	Long-lived binary tunneling spectrum in the quantum Hall Tomonaga-Luttinger liquid. <i>Physical Review B</i> , 2016, 93, .	3.2	15
23	Determination of intrinsic lifetime of edge magnetoplasmons. <i>Physical Review B</i> , 2016, 93, .	3.2	8
24	Quantum Adiabatic Pumping by Modulating Tunnel Phase in Quantum Dots. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 084704.	1.6	4
25	Phonon-Induced Electron-Hole Excitation and ac Conductance in Molecular Junction. <i>Journal of the Physical Society of Japan</i> , 2016, 85, 043703.	1.6	4
26	Spin Qubits with Semiconductor Quantum Dots. <i>Lecture Notes in Physics</i> , 2016, , 541-567.	0.7	2
27	Wideband MgB ₂ Hot-Electron Bolometer Mixers: IF Impedance Characterisation and Modeling. <i>IEEE Transactions on Applied Superconductivity</i> , 2016, 26, 1-5.	1.7	0
28	Reconsideration of the spin-orbit interaction for an electron confined in a quasi-two-dimensional quantum dot: II. Bulkiness and in-plane spin-orbit coupling. <i>Japanese Journal of Applied Physics</i> , 2016, 55, 045201.	1.5	2
29	Interaction effect on adiabatic pump of charge and spin in quantum dot. <i>Physical Review B</i> , 2015, 92, .	3.2	22
30	Identifying a correlated spin fluctuation in an entangled spin chain subject to a quantum phase transition. <i>Physical Review E</i> , 2015, 92, 062143.	2.1	0
31	Fluctuation theorem for a two-terminal conductor connected to a thermal probe. <i>Physica Scripta</i> , 2015, T165, 014021.	2.5	0
32	\hbar Hot-Electron Bolometer Mixers at Terahertz Frequencies. <i>IEEE Transactions on Applied Superconductivity</i> , 2015, 25, 1-4.	1.7	12
33	Band Shift, Band Filling, and Electron Localization in a Quantum Wire Detected via Tunneling between Parallel Quantum Wires. <i>Journal of the Physical Society of Japan</i> , 2015, 84, 033710.	1.6	4
34	Ultimate low system dark-count rate for superconducting nanowire single-photon detector. <i>Optics Letters</i> , 2015, 40, 3428.	3.3	87
35	Valley-antisymmetric potential in graphene under dynamical deformation. <i>Physical Review B</i> , 2014, 90, .	3.2	5
36	Reconsideration of relativistic corrections for an electron confined in a two-dimensional quantum dot: I. Spin-orbit coupling and Rashba effect. <i>Japanese Journal of Applied Physics</i> , 2014, 53, 031801.	1.5	5

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37	Fluctuation theorem for heat transport probed by a thermal probe electrode. Physical Review B, 2014, 89, .	3.2	19
38	Power Dependence of Electric Dipole Spin Resonance. , 2014, , .		1
39	Superconducting Nanowire Single-Photon Detector with Ultralow Dark Count Rate Using Cold Optical Filters. Applied Physics Express, 2013, 6, 072801.	2.4	39
40	The Origin of Raman D Band: Bonding and Antibonding Orbitals in Graphene. Crystals, 2013, 3, 120-140.	2.2	47
41	Monolithic source of telecom-band polarization entanglement on a silicon photonic chip. , 2013, , .		0
42	Slow light enhanced correlated photon pair generation in photonic-crystal coupled-resonator optical waveguides. Optics Express, 2013, 21, 8596.	3.4	39
43	Ultrathin MgB ₂ films fabricated by molecular beam epitaxy and rapid annealing. Superconductor Science and Technology, 2013, 26, 035005.	3.5	15
44	Study of IF Bandwidth of MgB_2 Phonon-Cooled Hot-Electron Bolometer Mixers. IEEE Transactions on Terahertz Science and Technology, 2013, 3, 409-415.	3.1	67
45	Slow-light-enhanced correlated photon pair generation in a silicon photonic crystal coupled-resonator optical waveguide. , 2013, , .		0
46	Excitation spectroscopy of few-electron states in artificial diatomic molecules. Physical Review B, 2013, 87, .	3.2	9
47	Backaction dephasing by a quantum dot detector. Physical Review B, 2013, 88, .	3.2	2
48	Ultra-narrowband nonlinear wavelength conversion using coupled photonic crystal nanocavities. , 2013, , .		2
49	Fabrication of MgB ₂ Nanowire Single-Photon Detector with Meander Structure. Applied Physics Express, 2013, 6, 023101.	2.4	21
50	Phonon Cavity Quantum Electrodynamics and Phonon Microlaser. JPSJ News and Comments, 2013, 10, 01.	0.1	0
51	Resonance-hybrid states in a triple quantum dot. Physical Review B, 2012, 85, .	3.2	28
52	The photon-assisted dynamic nuclear polarization effect in a double quantum dot. New Journal of Physics, 2012, 14, 123013.	2.9	7
53	Partial decoherence in mesoscopic systems. Physica Scripta, 2012, T151, 014018.	2.5	4
54	Low noise MgB ₂ terahertz hot-electron bolometer mixers. Applied Physics Letters, 2012, 100, .	3.3	27

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55	Decay and frequency shift of both intervalley and intravalley phonons in graphene: Dirac-cone migration. <i>Physical Review B</i> , 2012, 86, .	3.2	21
56	Pseudospin for Raman $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ band in armchair graphene nanoribbons. <i>Physical Review B</i> , 2012, 85, .	3.2	9
57	Spin-orbit induced electronic spin separation in semiconductor nanostructures. <i>Nature Communications</i> , 2012, 3, 1082.	12.8	68
58	NbN Superconducting Single-Photon Detector with Bilayer Structure. <i>Physics Procedia</i> , 2012, 36, 324-329.	1.2	2
59	A monolithically integrated polarization entangled photon pair source on a silicon chip. <i>Scientific Reports</i> , 2012, 2, 817.	3.3	120
60	Monolithically-integrated polarization-entangled photon pair source on a silicon-on-insulator photonic circuit. , 2012, , .		0
61	Aluminum oxide for an effective gate in Si/SiGe two-dimensional electron gas systems. <i>Semiconductor Science and Technology</i> , 2011, 26, 055004.	2.0	3
62	Coherent coupling of a superconducting flux qubit to an electron spin ensemble in diamond. <i>Nature</i> , 2011, 478, 221-224.	27.8	387
63	Theory of optical transitions in graphene nanoribbons. <i>Physical Review B</i> , 2011, 84, .	3.2	74
64	Electrically tuned spin-orbit interaction in an InAs self-assembled quantum dot. <i>Nature Nanotechnology</i> , 2011, 6, 511-516.	31.5	71
65	Spin-orbit interaction detection using Kondo effect in single self-assembled InAs quantum dots. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0
66	Field test of quantum key distribution in the Tokyo QKD Network. <i>Optics Express</i> , 2011, 19, 10387.	3.4	816
67	High-rate quantum key distribution over 100 km using ultra-low-noise, 2-GHz sinusoidally gated InGaAs/InP avalanche photodiodes. <i>Optics Express</i> , 2011, 19, 10632.	3.4	61
68	Spin Bottleneck in Resonance Tunneling through In _{0.04} Ga _{0.96} As [*] GaAs Vertical Double Quantum Dots. <i>AIP Conference Proceedings</i> , 2011, , .	0.4	0
69	Coherent control of two individual electron spins and influence of hyperfine coupling in a double quantum dot. <i>Journal of Physics: Conference Series</i> , 2011, 334, 012009.	0.4	1
70	Level Broadening Effect in Electron Tunneling through Double Quantum Dots with Different Factors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DJ02.	1.5	0
71	Indistinguishable photon pair generation using two independent silicon wire waveguides. <i>New Journal of Physics</i> , 2011, 13, 065005.	2.9	49
72	Practical Quantum Key Distribution Over 100 km Using Sinusoidally Gated InGaAs/InP Avalanche Photodiodes. , 2011, , .		0

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73	Filtering and analyzing mobile qubit information via Rashba-Dresselhaus-Aharonov-Bohm interferometers. <i>Physical Review B</i> , 2011, 84, .	3.2	49
74	Electrically tuned $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">\langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{g} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{tensor}$ in an InAs self-assembled quantum dot. <i>Physical Review B</i> , 2011, 84, .	3.2	32
75	Phase and amplitude of Aharonov-Bohm oscillations in nonlinear three-terminal transport through a double quantum dot. <i>Physical Review B</i> , 2011, 83, .	3.2	8
76	Geometric blockade in a quantum dot coupled to two-dimensional and three-dimensional electron gases. <i>Physical Review B</i> , 2011, 84, .	3.2	0
77	Two-Qubit Gate of Combined Single-Spin Rotation and Interdot Spin Exchange in a Double Quantum Dot. <i>Physical Review Letters</i> , 2011, 107, 146801.	7.8	192
78	Aharonov-Bohm Oscillations Changed by Indirect Interdot Tunneling via Electrodes in Parallel-Coupled Vertical Double Quantum Dots. <i>Physical Review Letters</i> , 2011, 106, 076801.	7.8	45
79	Kondo effects and shot noise enhancement in a laterally coupled double quantum dot. <i>Physical Review B</i> , 2011, 83, .	3.2	17
80	Pauli Spin Blockade and Influence of Hyperfine Interaction in Vertical Quantum Dot Molecule with Six-Electrons. <i>Journal of the Physical Society of Japan</i> , 2011, 80, 023701.	1.6	7
81	Level Broadening Effect in Electron Tunneling through Double Quantum Dots with Different Factors. <i>Japanese Journal of Applied Physics</i> , 2011, 50, 04DJ02.	1.5	0
82	Entanglement Generation Using Silicon Photonic Wire Waveguide. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 1814-1818.	0.9	1
83	Frequency and Polarization Characteristics of Correlated Photon-Pair Generation Using a Silicon Wire Waveguide. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2010, 16, 325-331.	2.9	84
84	Nano-fabrication processes for magnesium diboride. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, S1005-S1006.	1.2	2
85	Comparison of timing jitter between NbN superconducting single-photon detector and avalanche photodiode. <i>Physica C: Superconductivity and Its Applications</i> , 2010, 470, 1534-1537.	1.2	6
86	Spin filtering due to quantum interference in periodic mesoscopic networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 629-633.	2.7	5
87	Charge states of a collinearly and laterally coupled vertical triple quantum dot device. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 899-901.	2.7	4
88	Single electron spin addressing by using photon-assisted-tunneling in a double quantum dot including a micro-magnet. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 825-829.	2.7	1
89	Effects of observation on quantum interference in a laterally coupled double quantum dot using a quantum dot charge sensor. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 852-855.	2.7	1
90	Quantum spin transport in magnetic-field-engineered nano-structures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2010, 42, 994-998.	2.7	3

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91	Quantum interference and Kondo effects in an Aharonovâ€“Bohmâ€“Casher interferometer containing a laterally coupled double quantum dot. Physics Procedia, 2010, 3, 1225-1230.	1.2	0
92	Entanglement generation using silicon wire waveguide. Optics and Spectroscopy (English Translation) Tj ETQq0 0 0,rgBT /Overlock 10 T	0.6	2
93	Selective Addressing of Single Electron Spins in a Semiconductor Double Quantum Dot Integrated with a Micro-Magnet. , 2010, , .		0
94	Coherent manipulation of individual electron spin in a double quantum dot integrated with a micromagnet. Physical Review B, 2010, 81, .	3.2	52
95	Spin-polarized electric currents in quantum transport through tubular two-dimensional electron gases. Physical Review B, 2010, 81, .	3.2	24
96	Spin Bottleneck in Resonant Tunneling through Double Quantum Dots with Different Zeeman Splittings. Physical Review Letters, 2010, 104, 136801.	7.8	26
97	Kondo Effect in a Semiconductor Quantum Dot with a Spin-Accumulated Lead. Physical Review Letters, 2010, 104, 036804.	7.8	36
98	Single-Spin Readout in a Double Quantum Dot Including a Micromagnet. Physical Review Letters, 2010, 104, 046802.	7.8	23
99	Dephasing in an Aharonovâ€“Bohm interferometer containing a lateral double quantum dot induced by coupling with a quantum dot charge sensor. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 354020.	2.1	6
100	Transport properties of two laterally coupled vertical quantum dots in series with tunable interdot coupling. Applied Physics Letters, 2010, 97, 062108.	3.3	5
101	Large Anisotropy of the Spin-Orbit Interaction in a Single InAs Self-Assembled Quantum Dot. Physical Review Letters, 2010, 104, 246801.	7.8	71
102	Single-photon detection using magnesium diboride superconducting nanowires. Applied Physics Letters, 2010, 97, .	3.3	66
103	Rectifying Behavior in Laterally Coupled Self-Assembled Quantum Dots with Asymmetric Tunneling Barriers. Applied Physics Express, 2009, 2, 014501.	2.4	0
104	Magneto-optical spectroscopy of excitons and trions in charge-tunable quantum dots. Physical Review B, 2009, 79, .	3.2	11
105	Stability diagrams of laterally coupled triple vertical quantum dots in triangular arrangement. Applied Physics Letters, 2009, 94, .	3.3	44
106	Quantitative Estimation of Exchange Interaction Energy Using Two-Electron Vertical Double Quantum Dots. Physical Review Letters, 2009, 102, 146802.	7.8	24
107	Megabits secure key rate quantum key distribution. New Journal of Physics, 2009, 11, 045010.	2.9	46
108	Tunneling current through <i>g</i> â€“factor engineered series quantum dots. Physica Status Solidi (B): Basic Research, 2009, 246, 740-743.	1.5	6

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109	Electric spin orchestra. Nature Physics, 2009, 5, 12-13.	16.7	1
110	Fast physical random bit generator based on chaotic semiconductor lasers: Application to quantum cryptography. , 2009, , .		0
111	Differential-phase-shift quantum key distribution experiment using fast physical random bit generator with chaotic semiconductor lasers. Optics Express, 2009, 17, 9053.	3.4	41
112	Optical Response and Fabrication of $\{m \text{ MgB} \}_2$ Nanowire Detectors. IEEE Transactions on Applied Superconductivity, 2009, 19, 358-360.	1.7	12
113	Differential phase shift-quantum key distribution. IEEE Communications Magazine, 2009, 47, 102-106.	6.1	461
114	Transient current in spin blockade condition. Journal of Physics: Conference Series, 2009, 193, 012102.	0.4	0
115	Negative differential conductance in a quantum dot and possible application to ESR detection. Journal of Physics: Conference Series, 2009, 150, 022026.	0.4	2
116	Dynamical polarization effect of nuclear spin bath dragged by electron spin resonance in double quantum dot integrated with micro-magnet. Journal of Physics: Conference Series, 2009, 193, 012046.	0.4	3
117	Electron-Spin Manipulation in Quantum Dot Systems. Topics in Applied Physics, 2009, , 15-34.	0.8	2
118	Megabits Secure Key Rate Quantum Key Distribution. , 2009, , .		0
119	Silicon Photonics in Quantum Communications. , 2009, , .		0
120	LATERALLY COUPLED TRIPLE SELF-ASSEMBLED QUANTUM DOTS. , 2009, , .		0
121	ELECTRON TRANSPORT THROUGH A LATERALLY COUPLED TRIPLE QUANTUM DOT FORMING AHARONOV-BOHM INTERFEROMETER. , 2009, , .		0
122	AHARONOV-BOHM OSCILLATIONS IN PARALLEL COUPLED VERTICAL DOUBLE QUANTUM DOT. , 2009, , .		0
123	Coherent pseudo-spin resonance in a laterally coupled double quantum dot. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 170-173.	0.8	1
124	Energy distribution of the ballistic hot electrons and holes emitted from a quantum point contact and probed by a quantum dot. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 162-165.	0.8	1
125	Two level mixing effects probed by resonant tunnelling through vertically coupled quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 174-177.	0.8	6
126	Elastic and inelastic tunneling through one electron and two electron states in a vertical double quantum dot. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 2854-2857.	0.8	3

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127	Photon detection and fabrication of MgB2 nanowire. Physica C: Superconductivity and Its Applications, 2008, 468, 1992-1994.	1.2	30
128	Singlet-triplet transition induced by Zeeman energy in weakly coupled vertical double quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1139-1141.	2.7	3
129	Observation of anti-bonding excited state in charging diagram of a few-electron double dot. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1238-1240.	2.7	1
130	Coherent pseudo-spin dynamics in Aharonov-Bohm interferometer containing laterally coupled double quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1243-1245.	2.7	1
131	Fabrication and characterization of a laterally coupled vertical triple quantum dot device. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1322-1324.	2.7	23
132	Phonon induced coherence in multi-level quantum dot system. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1690-1692.	2.7	1
133	Electrically driven single-electron spin resonance in a slanting Zeeman field. Nature Physics, 2008, 4, 776-779.	16.7	484
134	Efficient and low-noise single-photon detection in 1550 nm communication band by frequency upconversion in periodically poled LiNbO ₃ waveguides. Optics Letters, 2008, 33, 639.	3.3	45
135	Generation of polarization entangled photon pairs using silicon wire waveguide. Optics Express, 2008, 16, 5721.	3.4	83
136	Generation of high-purity entangled photon pairs using silicon wire waveguide. Optics Express, 2008, 16, 20368.	3.4	101
137	Entanglement generation using silicon wire waveguide. , 2008, , .		1
138	Selective Manipulation of Electron Spins with Electric Fields. Progress of Theoretical Physics Supplement, 2008, 176, 322-340.	0.1	8
139	Differential phase shift quantum key distribution. , 2008, , .		0
140	Spin filtering by a periodic spintronic device. Physical Review B, 2008, 78, .	3.2	43
141	Manipulation of exchange coupling energy in a few-electron double quantum dot. Physical Review B, 2008, 77, .	3.2	20
142	Exotic pseudospin Kondo effect in laterally coupled double quantum dots. Physical Review B, 2008, 77, .	3.2	19
143	Electron-Spin Manipulation and Resonator Readout in a Double-Quantum-Dot Nanoelectromechanical System. Physical Review Letters, 2008, 100, 136802.	7.8	21
144	ELECTRON TRANSPORT THROUGH LATERALLY COUPLED DOUBLE QUANTUM DOTS. , 2008, , .		0

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145	COULOMB BLOCKADE PROPERTIES OF 4-GATED QUANTUM DOT. , 2008, , .		0
146	Microwave band on-chip coil technique for single electron spin resonance in a quantum dot. Review of Scientific Instruments, 2007, 78, 104704.	1.3	17
147	Interference through quantum dots. New Journal of Physics, 2007, 9, 113-113.	2.9	19
148	Micromagnets for coherent control of spin-charge qubit in lateral quantum dots. Applied Physics Letters, 2007, 90, 024105.	3.3	54
149	Entanglement generation using silicon wire waveguide. Applied Physics Letters, 2007, 91, .	3.3	114
150	Ground-state transitions beyond the singlet-triplet transition for a two-electron quantum dot. Physical Review B, 2007, 75, .	3.2	21
151	Pseudo-spin Kondo effect in Aharonov-Bohm interferometer containing laterally coupled double quantum dots. AIP Conference Proceedings, 2007, , .	0.4	0
152	Spin-charge qubit resonance readout in lateral quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 347-350.	2.7	0
153	On-chip micro-coil technique for single electron spin resonance with quantum dot. Physica E: Low-Dimensional Systems and Nanostructures, 2007, 40, 351-354.	2.7	0
154	Observation of the singlet and triplet states in a hybrid vertical-lateral double dot. AIP Conference Proceedings, 2007, , .	0.4	1
155	Electron transport through Aharonov-Bohm interferometer with laterally coupled double quantum dots. Physical Review B, 2006, 74, .	3.2	46
156	Negative Coulomb Drag in a One-Dimensional Wire. Science, 2006, 313, 204-207.	12.6	87
157	New scheme of spin qubits driven by ac electric field. , 2006, , .		0
158	Coherent Single Electron Spin Control in a Slanting Zeeman Field. Physical Review Letters, 2006, 96, 047202.	7.8	234
159	Many-Body Effects on Tunneling of Electrons in Magnetic-Field-induced Quasi-One-dimensional Electron Systems in Semiconductor Nanowhiskers. Journal of the Physical Society of Japan, 2005, 74, 519-522.	1.6	1
160	MANY-BODY EFFECTS ON TUNNELING OF ELECTRONS IN MAGNETIC-FIELD-INDUCED QUASI ONE-DIMENSIONAL SYSTEMS IN QUANTUM WELLS. , 2005, , .		0
161	Electron transport in magnetic-field-induced quasi-one-dimensional electron systems in semiconductor nanowhiskers. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 29, 525-529.	2.7	0
162	Tunnel-coupling blockade in vertical/lateral hybrid dot to study many-body states for electron number $N=1,2$ and 3. AIP Conference Proceedings, 2005, , .	0.4	0

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163	Tunneling between Parallel Quantum Wires. AIP Conference Proceedings, 2005, , .	0.4	4
164	InAs-based Micromechanical Two-dimensional Electron Systems. AIP Conference Proceedings, 2005, , .	0.4	1
165	Quantum Interference Effects in the Magnetopiezoresistance of InAs/AlGaSb Quasi-One-Dimensional Electron Systems. Physical Review Letters, 2004, 93, 036603.	7.8	16
166	Current noise in a quantum point contact. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 284-287.	2.7	1
167	Dephasing of a coupled qubit system during gate operations due to background charge fluctuations. Superlattices and Microstructures, 2003, 34, 497-501.	3.1	0
168	Spin selective tunneling and blockade in two-electron double quantum dot. Physica Status Solidi (B): Basic Research, 2003, 238, 335-340.	1.5	0
169	LTS SQUID microscope with micron spatial resolution. IEEE Transactions on Applied Superconductivity, 2003, 13, 231-234.	1.7	10
170	Dephasing due to background charge fluctuations. Physical Review B, 2003, 67, .	3.2	78
171	Electrical pulse measurement, inelastic relaxation, and non-equilibrium transport in a quantum dot. Journal of Physics Condensed Matter, 2003, 15, R1395-R1428.	1.8	47
172	Direct probing of local-density-of-states in semiconductor nanostructures. , 2003, , .		0
173	Effect of Multiple Charge Traps on Dephasing Rates of a Josephson Charge Qubit System. Journal of the Physical Society of Japan, 2003, 72, 2726-2729.	1.6	3
174	Nonequilibrium Transport through a Vertical Quantum Dot in the Absence of Spin-Flip Energy Relaxation. Physical Review Letters, 2002, 88, 236802.	7.8	57
175	Current Rectification by Pauli Exclusion in a Weakly Coupled Double Quantum Dot System. Science, 2002, 297, 1313-1317.	12.6	695
176	Angular momentum selectivity in tunneling between two quantum dots. Physica B: Condensed Matter, 2002, 314, 450-454.	2.7	22
177	Spin-dependent energy relaxation inside a quantum dot. Physica B: Condensed Matter, 2002, 314, 224-229.	2.7	6
178	1D Bragg reflector in the Tomonaga-Luttinger liquid regime and Fermi liquid regimes. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 186-189.	2.7	2
179	Towards a microscopic theory of the 0.7 anomaly. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 711-714.	2.7	29
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