

Andreas D Wieck

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2287196/publications.pdf>

Version: 2024-02-01

690
papers

14,827
citations

29994

54
h-index

42291

92
g-index

704
all docs

704
docs citations

704
times ranked

9083
citing authors

#	ARTICLE	IF	CITATIONS
1	Coulomb blockade: Toward charge control of self-assembled GaN quantum dots at room temperature. Applied Physics Letters, 2022, 120, 012105.	1.5	0
2	A chiral one-dimensional atom using a quantum dot in an open microcavity. Npj Quantum Information, 2022, 8, .	2.8	4
3	Wafer-scale epitaxial modulation of quantum dot density. Nature Communications, 2022, 13, 1633.	5.8	9
4	Formation of tungsten carbide by focused ion beam process: A route to high magnetic field resilient patterned superconducting nanostructures. Applied Physics Letters, 2022, 120, 132601.	1.5	1
5	A Pure and Indistinguishable Single-Photon Source at Telecommunication Wavelength. Advanced Quantum Technologies, 2022, 5, .	1.8	16
6	Electron g-factor determined for quantum dot circuit fabricated from (110)-oriented GaAs quantum well. Journal of Applied Physics, 2022, 131, 134305.	1.1	0
7	Analysing the entropy of lithium-ion cells to trace anodic half-cell ageing. Journal of Energy Storage, 2022, 50, 104109.	3.9	1
8	Dynamic measurement of the entropy coefficient for battery cells. Journal of Energy Storage, 2022, 51, 104361.	3.9	8
9	Full wafer property control of local droplet etched GaAs quantum dots. Journal of Crystal Growth, 2022, 591, 126713.	0.7	3
10	Quantum interference of identical photons from remote GaAs quantum dots. Nature Nanotechnology, 2022, 17, 829-833.	15.6	48
11	Extending the time of coherent optical response in ensemble of singly-charged InGaAs quantum dots. Communications Physics, 2022, 5, .	2.0	3
12	Entangling a Hole Spin with a Time-Bin Photon: A Waveguide Approach for Quantum Dot Sources of Multiphoton Entanglement. Physical Review Letters, 2022, 128, .	2.9	14
13	On-Demand Source of Dual-Rail Photon Pairs Based on Chiral Interaction in a Nanophotonic Waveguide. PRX Quantum, 2022, 3, .	3.5	7
14	Coherent control of individual electron spins in a two-dimensional quantum dot array. Nature Nanotechnology, 2021, 16, 296-301.	15.6	47
15	Single-Photon Radiative Auger Emission from a Quantum Dot. , 2021, , .		0
16	Experimental Reconstruction of the Few-Photon Nonlinear Scattering Matrix from a Single Quantum Dot in a Nanophotonic Waveguide. Physical Review Letters, 2021, 126, 023603.	2.9	27
17	New signatures of the spin gap in quantum point contacts. Nature Communications, 2021, 12, 5.	5.8	6
18	Characterization of a surface plasmon antenna fabricated on a gate-defined lateral quantum dot. Japanese Journal of Applied Physics, 2021, 60, SBBI01.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Low-noise GaAs quantum dots in a p-i-n diode. , 2021, , .		0
20	Coherent Beam Splitting of Flying Electrons Driven by a Surface Acoustic Wave. Physical Review Letters, 2021, 126, 070501.	2.9	10
21	Internal photoeffect from a single quantum emitter. Physical Review B, 2021, 103, .	1.1	3
22	Distant spin entanglement via fast and coherent electron shuttling. Nature Nanotechnology, 2021, 16, 570-575.	15.6	36
23	Gate voltage dependence of noise distribution in radio-frequency reflectometry in gallium arsenide quantum dots. Applied Physics Express, 2021, 14, 035002.	1.1	2
24	Quantum Sensor for Nanoscale Defect Characterization. Physical Review Applied, 2021, 15, .	1.5	6
25	Optical spin control and coherence properties of acceptor bound holes in strained GaAs. Physical Review B, 2021, 103, .	1.1	5
26	Electroabsorption in gated GaAs nanophotonic waveguides. Applied Physics Letters, 2021, 118, .	1.5	3
27	Suppression of Surface-Related Loss in a Gated Semiconductor Microcavity. Physical Review Applied, 2021, 15, .	1.5	11
28	Suppression of nuclear spin fluctuations in an InGaAs quantum dot ensemble by GHz-pulsed optical excitation. Npj Quantum Information, 2021, 7, .	2.8	12
29	Probabilistic teleportation of a quantum dot spin qubit. Npj Quantum Information, 2021, 7, .	2.8	10
30	Tuning the Mode Splitting of a Semiconductor Microcavity with Uniaxial Stress. Physical Review Applied, 2021, 15, .	1.5	6
31	On the possible influence of the Fermi-Dirac statistics on the potential and entropy of galvanic cells. Journal of Power Sources, 2021, 498, 229870.	4.0	6
32	Distinguishing persistent effects in an undoped GaAs/AlGaAs quantum well by top-gate-dependent illumination. Journal of Applied Physics, 2021, 129, 234301.	1.1	3
33	Experimental Validation of Formula for Calculation Thermal Diffusivity in Superlattices Performed Using a Combination of Two Frequency-Domain Methods: Photothermal Infrared Radiometry and Thermoreflectance. Applied Sciences (Switzerland), 2021, 11, 6125.	1.3	9
34	Electron capture and emission dynamics of self-assembled quantum dots far from equilibrium with the environment. Physical Review B, 2021, 104, .	1.1	3
35	Quantum polyspectra for modeling and evaluating quantum transport measurements: A unifying approach to the strong and weak measurement regime. Physical Review Research, 2021, 3, .	1.3	4
36	Enhanced Spin Coherence while Displacing Electron in a Two-Dimensional Array of Quantum Dots. PRX Quantum, 2021, 2, .	3.5	13

#	ARTICLE	IF	CITATIONS
37	In-flight distribution of an electron within a surface acoustic wave. Applied Physics Letters, 2021, 119, .	1.5	10
38	Coherent Spin-Photon Interface with Waveguide Induced Cycling Transitions. Physical Review Letters, 2021, 126, 013602.	2.9	27
39	A bright and fast source of coherent single photons. Nature Nanotechnology, 2021, 16, 399-403.	15.6	268
40	Integrated Whispering-Gallery-Mode Resonator for Solid-State Coherent Quantum Photonics. Nano Letters, 2021, 21, 8707-8714.	4.5	7
41	Homogeneous optical anisotropy in an ensemble of InGaAs quantum dots induced by strong enhancement of the heavy-hole band Landé parameter $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mi} \rangle \text{q} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$. Physical Review B, 2021, 104, .	1.1	5
42	Charge Tunable GaAs Quantum Dots in a Photonic n-i-p Diode. Nanomaterials, 2021, 11, 2703.	1.9	6
43	Heat-Driven Electron-Motion in a Nanoscale Electronic Circuit. Journal of the Physical Society of Japan, 2021, 90, .	0.7	2
44	Optically driving the radiative Auger transition. Nature Communications, 2021, 12, 6575.	5.8	6
45	Hysteretic capacitance-voltage characteristics of self-assembled quantum dots far from equilibrium with their environment. Physical Review B, 2021, 104, .	1.1	1
46	Suspended Spotâ€Size Converters for Scalable Singleâ€Photon Devices. Advanced Quantum Technologies, 2020, 3, 1900076.	1.8	6
47	Detection and amplification of spin noise using scattered laser light in a quantum-dot microcavity. Physical Review B, 2020, 101, .	1.1	5
48	Lifetimes and Quantum Efficiencies of Quantum Dots Deterministically Positioned in Photonicâ€Crystal Waveguides. Advanced Quantum Technologies, 2020, 3, 2000026.	1.8	4
49	Influence of molecular beam effusion cell quality on optical and electrical properties of quantum dots and quantum wells. Journal of Crystal Growth, 2020, 550, 125884.	0.7	2
50	Measurement of Backaction from Electron Spins in a Gate-Defined GaAs Double Quantum dot Coupled to a Mesoscopic Nuclear Spin Bath. Physical Review Letters, 2020, 125, 047701.	2.9	4
51	Measurement of thermal transport properties of selected superlattice and thin films using frequency-domain photothermal infrared radiometry. Measurement: Journal of the International Measurement Confederation, 2020, 166, 108226.	2.5	11
52	Near Transform-Limited Quantum Dot Linewidths in a Broadband Photonic Crystal Waveguide. ACS Photonics, 2020, 7, 2343-2349.	3.2	28
53	Two-dimensional lateral surface superlattices in GaAs heterostructures with independent control of carrier density and modulation potential. Applied Physics Letters, 2020, 117, .	1.5	6
54	On-chip deterministic operation of quantum dots in dual-mode waveguides for a plug-and-play single-photon source. Nature Communications, 2020, 11, 3782.	5.8	48

#	ARTICLE	IF	CITATIONS
55	Spin-glass phase transition revealed in transport measurements. <i>Physical Review B</i> , 2020, 102, .	1.1	8
56	Deterministic positioning of nanophotonic waveguides around single self-assembled quantum dots. <i>APL Photonics</i> , 2020, 5, 086101.	3.0	28
57	Low-noise GaAs quantum dots for quantum photonics. <i>Nature Communications</i> , 2020, 11, 4745.	5.8	79
58	Closed-loop control of a GaAs-based singlet-triplet spin qubit with 99.5% gate fidelity and low leakage. <i>Nature Communications</i> , 2020, 11, 4144.	5.8	47
59	Excess noise in Al _x Ga _{1-x} As/GaAs based quantum rings. <i>Applied Physics Letters</i> , 2020, 117, .	1.5	3
60	Scalable integrated single-photon source. <i>Science Advances</i> , 2020, 6, .	4.7	144
61	Radiative Auger process in the single-photon limit. <i>Nature Nanotechnology</i> , 2020, 15, 558-562.	15.6	23
62	Characterization of low-resistance ohmic contacts to a two-dimensional electron gas in a GaAs/AlGaAs heterostructure. <i>EPL Applied Physics</i> , 2020, 89, 20101.	0.3	0
63	On-Chip Nanomechanical Filtering of Quantum-Dot Single-Photon Sources. <i>Laser and Photonics Reviews</i> , 2020, 14, 1900404.	4.4	9
64	Observation of the Kondo screening cloud. <i>Nature</i> , 2020, 579, 210-213.	13.7	52
65	Electron tunneling dynamics between two-dimensional and zero-dimensional quantum systems: Contributions of momentum matching, higher subbands, and phonon-assisted processes. <i>Physical Review B</i> , 2020, 102, .	1.1	1
66	Real-Time Detection of Single Auger Recombination Events in a Self-Assembled Quantum Dot. <i>Nano Letters</i> , 2020, 20, 1631-1636.	4.5	14
67	Electrostatic potential shape of gate-defined quantum point contacts. <i>Physical Review B</i> , 2020, 101, .	1.1	4
68	Microscopic model for the stacking-fault potential and the exciton wave function in GaAs. <i>Physical Review B</i> , 2020, 101, .	1.1	2
69	Coherence of a Driven Electron Spin Qubit Actively Decoupled from Quasistatic Noise. <i>Physical Review X</i> , 2020, 10, .	2.8	22
70	Two-dimensional electron bound hole photoluminescence in GaAs in perpendicular magnetic fields. <i>Semiconductor Science and Technology</i> , 2020, 35, 085011.	1.0	0
71	Electrical detection of excitonic states by time-resolved conductance measurements. <i>Physical Review B</i> , 2020, 101, .	1.1	0
72	Full counting statistics of spin-flip and spin-conserving charge transitions in Pauli-spin blockade. <i>Physical Review Research</i> , 2020, 2, .	1.3	9

#	ARTICLE	IF	CITATIONS
73	Ultra-bright Source of Indistinguishable Single Photons. , 2020, , .		0
74	Excitons in InGaAs quantum dots without electron wetting layer states. Communications Physics, 2019, 2, .	2.0	25
75	Temperature and bias anomalies in the photoluminescence of InAs quantum dots coupled to a Fermi reservoir. Physical Review B, 2019, 99, .	1.1	5
76	Angular momentum transfer from photon polarization to an electron spin in a gate-defined quantum dot. Nature Communications, 2019, 10, 2991.	5.8	37
77	Sound-driven single-electron transfer in a circuit of coupled quantum rails. Nature Communications, 2019, 10, 4557.	5.8	50
78	Correlations between optical properties and Voronoi-cell area of quantum dots. Physical Review B, 2019, 100, .	1.1	13
79	Optical Detection of Single-Electron Tunneling into a Semiconductor Quantum Dot. Physical Review Letters, 2019, 122, 247403.	2.9	42
80	Contrast of 83% in reflection measurements on a single quantum dot. Scientific Reports, 2019, 9, 8817.	1.6	2
81	Ballistic rectification based on inhomogeneous magnetic stray fields. Journal of Applied Physics, 2019, 125, 164304.	1.1	0
82	A machine learning approach for automated fine-tuning of semiconductor spin qubits. Applied Physics Letters, 2019, 114, .	1.5	31
83	Quantum non-demolition measurement of an electron spin qubit. Nature Nanotechnology, 2019, 14, 555-560.	15.6	52
84	Coherent Optical Control of a Quantum-Dot Spin-Qubit in a Waveguide-Based Spin-Photon Interface. Physical Review Applied, 2019, 11, .	1.5	20
85	Difference in charge and spin dynamics in a quantum dot-lead coupled system. Physical Review B, 2019, 99, .	1.1	4
86	Photogeneration of a single electron from a single Zeeman-resolved light-hole exciton with preserved angular momentum. Physical Review B, 2019, 99, .	1.1	16
87	A gated quantum dot strongly coupled to an optical microcavity. Nature, 2019, 575, 622-627.	13.7	145
88	Photon Noise Suppression by a Built-in Feedback Loop. Nano Letters, 2019, 19, 135-141.	4.5	3
89	Self-Organized Growth of Quantum Dots and Quantum Wires by Combination of Focused Ion Beams and Molecular Beam Epitaxy. Physica Status Solidi (B): Basic Research, 2019, 256, 1800375.	0.7	2
90	Luminescent Nd ₂ S ₃ thin films: a new chemical vapour deposition route towards rare-earth sulphides. Dalton Transactions, 2019, 48, 2926-2938.	1.6	7

#	ARTICLE	IF	CITATIONS
91	Nanomechanical single-photon routing. <i>Optica</i> , 2019, 6, 524.	4.8	41
92	Quantum Optics with Near-Lifetime-Limited Quantum-Dot Transitions in a Nanophotonic Waveguide. <i>Nano Letters</i> , 2018, 18, 1801-1806.	4.5	49
93	Simultaneous measurement of thermal conductivity and diffusivity of an undoped Al _{0.33} Ga _{0.67} As thin film epitaxially grown on a heavily Zn doped GaAs using spectrally-resolved modulated photothermal infrared radiometry. <i>Thermochimica Acta</i> , 2018, 662, 69-74.	1.2	15
94	Detuning dependence of Rabi oscillations in an InAs self-assembled quantum dot ensemble. <i>Physical Review B</i> , 2018, 97, .	1.1	8
95	Illumination-induced nonequilibrium charge states in self-assembled quantum dots. <i>Physical Review B</i> , 2018, 97, .	1.1	5
96	Superresolution Microscopy of Single Rare-Earth Emitters in YAG and H_{3^+} Centers in Diamond. <i>Physical Review Letters</i> , 2018, 120, 033903.	2.9	14
97	Far-field nanoscopy on a semiconductor quantum dot via a rapid-adiabatic-passage-based switch. <i>Nature Photonics</i> , 2018, 12, 68-72.	15.6	18
98	Spin-photon interface and spin-controlled photon switching in a nanobeam waveguide. <i>Nature Nanotechnology</i> , 2018, 13, 398-403.	15.6	85
99	Dephasing of InAs quantum dot p -shell excitons studied using two-dimensional coherent spectroscopy. <i>Physical Review B</i> , 2018, 98, .	1.1	5
100	A fast quantum interface between different spin qubit encodings. <i>Nature Communications</i> , 2018, 9, 5066.	5.8	22
101	Interlayer charge transfer in n-modulation doped Al _{1-x} Ga _x As single heterostructures. <i>Semiconductor Science and Technology</i> , 2018, 33, 095020.	1.0	1
102	Laplace deep level transient spectroscopy on self-assembled quantum dots. <i>Journal of Applied Physics</i> , 2018, 124, 104301.	1.1	2
103	Spin inertia of resident and photoexcited carriers in singly charged quantum dots. <i>Physical Review B</i> , 2018, 98, .	1.1	23
104	Theory of spin inertia in singly charged quantum dots. <i>Physical Review B</i> , 2018, 98, .	1.1	22
105	Four single-spin Rabi oscillations in a quadruple quantum dot. <i>Applied Physics Letters</i> , 2018, 113, .	1.5	23
106	Coherent transfer of electron spin correlations assisted by dephasing noise. <i>Nature Communications</i> , 2018, 9, 2133.	5.8	34
107	Simultaneous measurement of infrared absorption coefficient of Carbon doped Al _{0.33} Ga _{0.67} As thin film and thermal boundary resistance between thin film and heavily Zn doped GaAs substrate using spectrally-resolved modulated photothermal infrared radiometry. <i>Thermochimica Acta</i> , 2018, 667, 73-78.	1.2	7
108	Coherent transmission of superconducting carriers through a m polar semiconductor. <i>Superconductor Science and Technology</i> , 2018, 31, 085007.	1.8	9

#	ARTICLE	IF	CITATIONS
109	Unveiling the bosonic nature of an ultrashort few-electron pulse. <i>Nature Communications</i> , 2018, 9, 2811.	5.8	28
110	Decay and revival of electron spin polarization in an ensemble of (In,Ga)As quantum dots. <i>Physical Review B</i> , 2018, 98, .	1.1	9
111	Basic Requirements of Spin-Flip Raman Scattering on Excitonic Resonances and Its Modulation through Additional High-Energy Illumination in Semiconductor Heterostructures. <i>Physics of the Solid State</i> , 2018, 60, 1611-1617.	0.2	1
112	Electron dynamics in transport and optical measurements of self-assembled quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600625.	0.7	6
113	Comparison of technologies for nano device prototyping with a special focus on ion beams: A review. <i>Applied Physics Reviews</i> , 2017, 4, .	5.5	58
114	Classical information transfer between distant quantum dots using individual electrons in fast moving quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2017, 254, 1600673.	0.7	2
115	Synthesis and evaluation of new copper ketoiminate precursors for a facile and additive-free solution-based approach to nanoscale copper oxide thin films. <i>Dalton Transactions</i> , 2017, 46, 2670-2679.	1.6	17
116	Atomic/molecular layer deposition of hybrid inorganic-organic thin films from erbium guanidinate precursor. <i>Journal of Materials Science</i> , 2017, 52, 6216-6224.	1.7	17
117	Focused ion beam supported growth of monocrystalline wurtzite InAs nanowires grown by molecular beam epitaxy. <i>Journal of Crystal Growth</i> , 2017, 470, 46-50.	0.7	5
118	In situ and operando observation of surface oxides during oxygen evolution reaction on copper. <i>Electrochimica Acta</i> , 2017, 236, 104-115.	2.6	25
119	Ion-induced interdiffusion of surface GaN quantum dots. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 409, 107-110.	0.6	0
120	Ultra-low charge and spin noise in self-assembled quantum dots. <i>Journal of Crystal Growth</i> , 2017, 477, 193-196.	0.7	15
121	New amidinate complexes of indium(III): promising CVD precursors for transparent and conductive In_2O_3 thin films. <i>Dalton Transactions</i> , 2017, 46, 10220-10231.	1.6	23
122	A triangular triple quantum dot with tunable tunnel couplings. <i>Semiconductor Science and Technology</i> , 2017, 32, 084004.	1.0	21
123	On measurement of the thermal diffusivity of moderate and heavily doped semiconductor samples using modulated photothermal infrared radiometry. <i>Thermochimica Acta</i> , 2017, 650, 33-38.	1.2	17
124	On the infrared absorption coefficient measurement of thick heavily Zn doped GaAs using spectrally resolved modulated photothermal infrared radiometry. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	15
125	Spin dynamics of quadrupole nuclei in InGaAs quantum dots. <i>Physical Review B</i> , 2017, 95, .	1.1	5
126	Indistinguishable and efficient single photons from a quantum dot in a planar nanobeam waveguide. <i>Physical Review B</i> , 2017, 96, .	1.1	85

#	ARTICLE	IF	CITATIONS
127	All-electrical measurement of the triplet-singlet spin relaxation time in self-assembled quantum dots. Applied Physics Letters, 2017, 111, .	1.5	4
128	Coherent and robust high-fidelity generation of a biexciton in a quantum dot by rapid adiabatic passage. Physical Review B, 2017, 95, .	1.1	41
129	Mesoscopic phase behavior in a quantum dot around crossover between single-level and multilevel transport regimes. Physical Review B, 2017, 95, .	1.1	5
130	Coherent long-distance displacement of individual electron spins. Nature Communications, 2017, 8, 501.	5.8	55
131	Higher-order spin and charge dynamics in a quantum dot-lead hybrid system. Scientific Reports, 2017, 7, 12201.	1.6	7
132	Positive centre voltage in T-branch junctions on n-type GaAs/AlGaAs based on hydrodynamics. Semiconductor Science and Technology, 2017, 32, 105005.	1.0	3
133	Demonstrating the decoupling regime of the electron-phonon interaction in a quantum dot using chirped optical excitation. Physical Review B, 2017, 95, .	1.1	31
134	Detection and Control of Spin-Orbit Interactions in a GaAs Hole Quantum Point Contact. Physical Review Letters, 2017, 118, 146801.	2.9	18
135	Efficiency enhancement of the coherent electron spin-flip Raman scattering through thermal phonons in (In,Ga)As/GaAs quantum dots. Physical Review B, 2017, 95, .	1.1	1
136	Single electron-photon pair creation from a single polarization-entangled photon pair. Scientific Reports, 2017, 7, 16968.	1.6	10
137	Non-universal transmission phase behaviour of a large quantum dot. Nature Communications, 2017, 8, 1710.	5.8	16
138	Low temperature growth of gallium oxide thin films <i>via</i> plasma enhanced atomic layer deposition. Dalton Transactions, 2017, 46, 16551-16561.	1.6	56
139	Conversion from Single Photon to Single Electron Spin Using Electrically Controllable Quantum Dots. Journal of the Physical Society of Japan, 2017, 86, 011008.	0.7	14
140	Narrow optical linewidths and spin pumping on charge-tunable close-to-surface self-assembled quantum dots in an ultrathin diode. Physical Review B, 2017, 96, .	1.1	29
141	A linear triple quantum dot system in isolated configuration. Applied Physics Letters, 2017, 110, .	1.5	17
142	Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. Physical Review Letters, 2017, 119, 017701.	2.9	45
143	Nonequilibrium spin noise in a quantum dot ensemble. Physical Review B, 2017, 95, .	1.1	16
144	Mesoscopic Field-Effect-Induced Devices in Depleted Two-Dimensional Electron Systems. Physical Review Applied, 2017, 8, .	1.5	2

#	ARTICLE	IF	CITATIONS
145	Two-dimensional coherent spectroscopy of a THz quantum cascade laser: observation of multiple harmonics. <i>Optics Express</i> , 2017, 25, 21753.	1.7	12
146	Quantum Confinement in High Electron Mobility Transistors. , 2017, , .		1
147	Electro-optic routing of photons from a single quantum dot in photonic integrated circuits. <i>Optics Express</i> , 2017, 25, 33514.	1.7	21
148	Nanostrukturierung. , 2017, , 167-242.		0
149	Thermal energy and charge currents in multi-terminal nanorings. <i>AIP Advances</i> , 2016, 6, 065306.	0.6	2
150	Thermal shift of the resonance between an electron gas and quantum dots: what is the origin?. <i>New Journal of Physics</i> , 2016, 18, 123019.	1.2	2
151	Broadband terahertz dispersion control in hybrid waveguides. <i>Optics Express</i> , 2016, 24, 22319.	1.7	8
152	Photoelectron generation and capture in the resonance fluorescence of a quantum dot. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	15
153	Role of the electron spin in determining the coherence of the nuclear spins in a quantum dot. <i>Nature Nanotechnology</i> , 2016, 11, 885-889.	15.6	32
154	Spatially indirect transitions in electric field tunable quantum dot diodes. <i>Physica Status Solidi (B): Basic Research</i> , 2016, 253, 437-441.	0.7	4
155	Injection of a single electron from static to moving quantum dots. <i>Nanotechnology</i> , 2016, 27, 214001.	1.3	15
156	Development of yttrium alloy ion source and its application in nanofabrication. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	1.1	3
157	Coherent electron-spin-resonance manipulation of three individual spins in a triple quantum dot. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	38
158	Production yield of rare-earth ions implanted into an optical crystal. <i>Applied Physics Letters</i> , 2016, 108, .	1.5	22
159	Electric field distribution and exciton recombination line shape in GaAs. <i>Materials Research Express</i> , 2016, 3, 056201.	0.8	2
160	Polaron-induced lattice distortion of (In,Ga)As/GaAs quantum dots by optically excited carriers. <i>Nanotechnology</i> , 2016, 27, 425702.	1.3	6
161	Improving the Out-Coupling of a Metal-Metal Terahertz Frequency Quantum Cascade Laser Through Integration of a Hybrid Mode Section into the Waveguide. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2016, 37, 426-434.	1.2	3
162	Auger Recombination in Self-Assembled Quantum Dots: Quenching and Broadening of the Charged Exciton Transition. <i>Nano Letters</i> , 2016, 16, 3367-3372.	4.5	60

#	ARTICLE	IF	CITATIONS
163	Coherent Control of the Exciton-Biexciton System in an InAs Self-Assembled Quantum Dot Ensemble. <i>Physical Review Letters</i> , 2016, 117, 157402.	2.9	31
164	Photoluminescence of gallium ion irradiated hexagonal and cubic GaN quantum dots. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2016, 383, 1-5.	0.6	4
165	Heat flow, transport and fluctuations in etched semiconductor quantum wire structures. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2016, 213, 571-581.	0.8	2
166	Phase sensitive properties and coherent manipulation of a photonic crystal microcavity. <i>Optics Express</i> , 2016, 24, 20672.	1.7	0
167	Giant permanent dipole moment of two-dimensional excitons bound to a single stacking fault. <i>Physical Review B</i> , 2016, 94, .	1.1	14
168	Stabilizing nuclear spins around semiconductor electrons via the interplay of optical coherent population trapping and dynamic nuclear polarization. <i>Physical Review B</i> , 2016, 93, .	1.1	5
169	Quantum Dephasing in a Gated GaAs Triple Quantum Dot due to Nonergodic Noise. <i>Physical Review Letters</i> , 2016, 116, 046802.	2.9	46
170	Optical Blocking of Electron Tunneling into a Single Self-Assembled Quantum Dot. <i>Physical Review Letters</i> , 2016, 117, 017401.	2.9	21
171	Decoupling a hole spin qubit from the nuclear spins. <i>Nature Materials</i> , 2016, 15, 981-986.	13.3	76
172	Signatures of Hyperfine, Spin-Orbit, and Decoherence Effects in a Pauli Spin Blockade. <i>Physical Review Letters</i> , 2016, 117, 206802.	2.9	25
173	Single-electron Spin Resonance in a Quadruple Quantum Dot. <i>Scientific Reports</i> , 2016, 6, 31820.	1.6	21
174	Low-temperature behavior of transmission phase shift across a Kondo correlated quantum dot. <i>Physical Review B</i> , 2016, 94, .	1.1	9
175	Probing indirect exciton complexes in a quantum dot molecule via capacitance-voltage spectroscopy. <i>Physical Review B</i> , 2016, 94, .	1.1	4
176	Fast spin information transfer between distant quantum dots using individual electrons. <i>Nature Nanotechnology</i> , 2016, 11, 672-676.	15.6	71
177	Altering the luminescence properties of self-assembled quantum dots in GaAs by focused ion beam implantation. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	4
178	Nanoscale nonlinear effects in Erbium-implanted Yttrium Orthosilicate. <i>Journal of Luminescence</i> , 2016, 177, 266-274.	1.5	2
179	Advanced optical manipulation of carrier spins in (In,Ga)As quantum dots. <i>Applied Physics B: Lasers and Optics</i> , 2016, 122, 1.	1.1	3
180	Reconstruction of nuclear quadrupole interaction in (In,Ga)As/GaAs quantum dots observed by transmission electron microscopy. <i>Physical Review B</i> , 2016, 93, .	1.1	11

#	ARTICLE	IF	CITATIONS
181	Electrical properties of carbon nanotubes/WS2 nanotubes (nanoparticles) hybrid films. Nanosystems: Physics, Chemistry, Mathematics, 2016, , 37-43.	0.2	3
182	Coherent Evolution of Inhomogeneous Exciton/Biexciton System in an InAs Quantum Dot Ensemble. , 2016, , .		0
183	Modifying the spectral emission of a terahertz quantum cascade laser with double pulse injection seeding. , 2016, , .		0
184	Electrically tunable hole g factor of an optically active quantum dot for fast spin rotations. Physical Review B, 2015, 91, .	1.1	35
185	All-Optical Preparation of Coherent Dark States of a Single Rare Earth Ion Spin in a Crystal. Physical Review Letters, 2015, 115, 093602.	2.9	45
186	Quantum Manipulation of Two-Electron Spin States in Isolated Double Quantum Dots. Physical Review Letters, 2015, 115, 096801.	2.9	57
187	Interplay of Electron and Nuclear Spin Noise in n-Type GaAs. Physical Review Letters, 2015, 115, 176601.	2.9	33
188	Nuclear spin polarization in the electron spin-flip Raman scattering of singly charged (In,Ga)As/GaAs quantum dots. Physical Review B, 2015, 92, .	1.1	6
189	Spectral modification of the laser emission of a terahertz quantum cascade laser induced by broad-band double pulse injection seeding. Applied Physics Letters, 2015, 107, 111103.	1.5	3
190	Fast probe of local electronic states in nanostructures utilizing a single-lead quantum dot. Scientific Reports, 2015, 5, 14616.	1.6	6
191	Photonic crystal cavities with metallic Schottky contacts. Applied Physics Letters, 2015, 107, 041113.	1.5	1
192	Ultrawide electrical tuning of light matter interaction in a high electron mobility transistor structure. Scientific Reports, 2015, 5, 16812.	1.6	4
193	New edge magnetoplasmon interference like photovoltage oscillations and their amplitude enhancement in the presence of an antidot lattice. AIP Advances, 2015, 5, 117128.	0.6	0
194	Epitaxial lift-off for solid-state cavity quantum electrodynamics. Journal of Applied Physics, 2015, 118, .	1.1	5
195	Optical properties of strain-compensated CdSe/ZnSe/(Zn,Mg)Se quantum well microdisks. Optics Express, 2015, 23, 29079.	1.7	3
196	Fabrication and characterisation of gallium arsenide ambipolar quantum point contacts. Applied Physics Letters, 2015, 106, .	1.5	6
197	Robust Population Inversion by Polarization Selective Pulsed Excitation. Scientific Reports, 2015, 5, 10313.	1.6	2
198	Observation of time-resolved gain dynamics in a terahertz quantum cascade laser. , 2015, , .		1

#	ARTICLE	IF	CITATIONS
199	Double-pulse injection seeding of a terahertz quantum cascade laser. , 2015, , .		0
200	Strong coupling of intersubband resonance in a single triangular well to a THz metamaterial. , 2015, , .		0
201	Metal-metal terahertz quantum cascade laser with hybrid mode section. , 2015, , .		0
202	Magnetoconductance of a magnetic double barrier in a quantum wire. Superlattices and Microstructures, 2015, 79, 54-62.	1.4	0
203	Extending the spectral range of CdSe/ZnSe quantum wells by strain engineering. Physical Review B, 2015, 91, .	1.1	7
204	Hybrid architecture for shallow accumulation mode AlGaAs/GaAs heterostructures with epitaxial gates. Applied Physics Letters, 2015, 106, 012105.	1.5	7
205	The effect of charged quantum dots on the mobility of a two-dimensional electron gas: How important is the Coulomb scattering?. Journal of Applied Physics, 2015, 117, 054305.	1.1	5
206	Tuning the tunneling probability between low-dimensional electron systems by momentum matching. Applied Physics Letters, 2015, 106, .	1.5	9
207	Influence of Post-Implantation Annealing Parameters on the Focused Ion Beam Directed Nucleation of InAs Quantum Dots. Nano, 2015, 10, 1550049.	0.5	1
208	Measurement of the transmission phase of an electron in a quantum two-path interferometer. Applied Physics Letters, 2015, 107, .	1.5	14
209	Optical and Microwave Properties of Focused Ion Beam Implanted Erbium Ions in Y2SiO5 Crystals. , 2015, , .		0
210	Mode-selected heat flow through a one-dimensional waveguide network. Applied Physics Letters, 2015, 106, .	1.5	9
211	Transform-limited single photons from a single quantum dot. Nature Communications, 2015, 6, 8204.	5.8	180
212	Density-chopped Far-infrared Transmission Spectroscopy to Probe Subband-Landau Splittings and Tune Intersubband Transitions. , 2015, , .		1
213	Selection of Longitudinal Modes in a Terahertz Quantum Cascade Laser via Narrow-band Injection Seeding. , 2015, , .		0
214	Investigation of Time-resolved Gain Dynamics in an Injection Seeded Terahertz Quantum Cascade Laser. , 2015, , .		0
215	Infrared transmission spectroscopy of charge carriers in self-assembled InAs quantum dots under surface electric fields. Journal of Physics Condensed Matter, 2014, 26, 505801.	0.7	5
216	Manipulation of the nuclear spin ensemble in a quantum dot with chirped magnetic resonance pulses. Nature Nanotechnology, 2014, 9, 671-675.	15.6	27

#	ARTICLE	IF	CITATIONS
217	Narrow bandwidth injection seeding of a THz quantum cascade laser. , 2014, , .		0
218	Tuning the electrically evaluated electron Land \tilde{A} factor in GaAs quantum dots and quantum wells of different well widths. Physical Review B, 2014, 90, .	1.1	12
219	Spin-flip Raman scattering of the resident electron in singly charged (In,Ga)As/GaAs quantum dot ensembles. Physical Review B, 2014, 90, .	1.1	20
220	Single photoelectron detection after selective excitation of electron heavy-hole and electron light-hole pairs in double quantum dots. Physical Review B, 2014, 90, .	1.1	10
221	All-optical tomography of electron spins in (In,Ga)As quantum dots. Physical Review B, 2014, 89, .	1.1	5
222	Excitation of complex spin dynamics patterns in a quantum-dot electron spin ensemble. Physical Review B, 2014, 90, .	1.1	4
223	Narrow-band injection seeding of a terahertz frequency quantum cascade laser: Selection and suppression of longitudinal modes. Applied Physics Letters, 2014, 105, 111113.	1.5	9
224	Observation of quantum states without a semiclassical equivalence bound by a magnetic field gradient. Physical Review B, 2014, 90, .	1.1	11
225	Electron waveguide interferometers for spin \tilde{A} dependent transport experiments. Physica Status Solidi (B): Basic Research, 2014, 251, 1753-1763.	0.7	2
226	Time-resolved transconductance spectroscopy on self-assembled quantum dots: Spectral evolution from single- into many-particle states. Physical Review B, 2014, 89, .	1.1	7
227	Hybrid quantum circuit with implanted erbium ions. Applied Physics Letters, 2014, 105, .	1.5	21
228	All-optical implementation of a dynamic decoupling protocol for hole spins in (In,Ga)As quantum dots. Physical Review B, 2014, 90, .	1.1	5
229	MOCVD of TiO ₂ Thin Films using a Heteroleptic Titanium Complex: Precursor Evaluation and Investigation of Optical, Photoelectrochemical and Electrical Properties. Chemical Vapor Deposition, 2014, 20, 224-233.	1.4	5
230	Strong coupling of an Er^{3+} ion to a superconducting resonator. Physical Review B, 2014, 90, .	1.1	36
231	Transmission Phase in the Kondo Regime Revealed in a Two-Path Interferometer. Physical Review Letters, 2014, 113, 126601.	2.9	38
232	Determining the stability and activation energy of Si acceptors in AlGaAs using quantum interference in an open hole quantum dot. Physical Review B, 2014, 89, .	1.1	1
233	Nuclear magnetic resonances in (In,Ga)As/GaAs quantum dots studied by resonant optical pumping. Physical Review B, 2014, 89, .	1.1	19
234	Coherent properties of single rare-earth spin qubits. Nature Communications, 2014, 5, 3895.	5.8	141

#	ARTICLE	IF	CITATIONS
235	Investigation of Optical, Electrical, and Mechanical Properties of MOCVD-grown ZrO ₂ Films. <i>Chemical Vapor Deposition</i> , 2014, 20, 320-327.	1.4	6
236	Spin-resolved conductance quantization in InAs. <i>Semiconductor Science and Technology</i> , 2014, 29, 075010.	1.0	6
237	Evidences of defect contribution in magnetically ordered Sm-implanted GaN. <i>Current Applied Physics</i> , 2014, 14, S7-S11.	1.1	2
238	Direct Quantitative Electrical Measurement of Many-Body Interactions in Exciton Complexes in InAs Quantum Dots. <i>Physical Review Letters</i> , 2014, 112, 046803.	2.9	16
239	Electrical and optical properties of TiO ₂ thin films prepared by plasma-enhanced atomic layer deposition. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2014, 211, 416-424.	0.8	41
240	Asymmetry of charge relaxation times in quantum dots: The influence of degeneracy. <i>Europhysics Letters</i> , 2014, 106, 47002.	0.7	25
241	Magnetic properties of Gd-doped GaN. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1673-1684.	0.7	13
242	Photoluminescence of focused ion beam implanted Er ³⁺ :Y ₂ SiO ₅ crystals. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014, 8, 880-884.	1.2	9
243	Structural, optical, and magnetic properties of highly-resistive Sm-implanted GaN thin films. <i>Journal of Applied Physics</i> , 2014, 116, .	1.1	9
244	Sequential Growth of Zinc Oxide Nanorod Arrays at Room Temperature via a Corrosion Process: Application in Visible Light Photocatalysis. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 18728-18734.	4.0	24
245	Transient and persistent current induced conductivity changes in GaAs/AlGaAs high-electron-mobility transistors. <i>Applied Physics Letters</i> , 2014, 104, 132104.	1.5	2
246	Interplay between exchange interaction and magnetic field gradient in a double quantum dot with two individual electron spin qubits. <i>Physical Review B</i> , 2014, 90, .	1.1	6
247	Two-colour spin noise spectroscopy and fluctuation correlations reveal homogeneous linewidths within quantum-dot ensembles. <i>Nature Communications</i> , 2014, 5, 4949.	5.8	54
248	Time and spatially resolved electron spin detection in semiconductor heterostructures by magneto-optical Kerr microscopy. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1839-1849.	0.7	6
249	Confocal shift interferometry of coherent emission from trapped dipolar excitons. <i>Applied Physics Letters</i> , 2014, 105, .	1.5	11
250	Exciton-Phonon Interactions in an InAs Quantum Dot Ensemble Studied with 2D Coherent Spectroscopy. , 2014, , .		0
251	Rabi Oscillations in an InAs Quantum Dot Ensemble Observed in pre-pulse 2D Coherent Spectroscopy. , 2014, , .		1
252	A dark-field microscope for background-free detection of resonance fluorescence from single semiconductor quantum dots operating in a set-and-forget mode. <i>Review of Scientific Instruments</i> , 2013, 84, 073905.	0.6	108

#	ARTICLE	IF	CITATIONS
253	Charge noise and spin noise in a semiconductor quantum device. <i>Nature Physics</i> , 2013, 9, 570-575.	6.5	320
254	On the annealing mechanism of AuGe/Ni/Au ohmic contacts to a two-dimensional electron gas in GaAs/Al _x Ga _{1-x} As heterostructures. <i>Semiconductor Science and Technology</i> , 2013, 28, 025006.	1.0	8
255	Nondestructive Real-Time Measurement of Charge and Spin Dynamics of Photoelectrons in a Double Quantum Dot. <i>Physical Review Letters</i> , 2013, 110, 266803.	2.9	26
256	Influence of recombination center interaction on the photoluminescence of AlGaAs/GaAs heterostructures. <i>Semiconductor Science and Technology</i> , 2013, 28, 085012.	1.0	3
257	Odd and even Kondo effects from emergent localization in quantum point contacts. <i>Nature</i> , 2013, 501, 79-83.	13.7	65
258	Magneto-optical studies of Gd-implanted GaN: No spin alignment of conduction band electrons. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	4
259	Spin relaxation length in quantum dot spin LEDs. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2013, 10, 1214-1217.	0.8	2
260	Influence of surface states on quantum and transport lifetimes in high-quality undoped heterostructures. <i>Physical Review B</i> , 2013, 87, .	1.1	21
261	Temperature dependence of hole spin coherence in (In,Ga)As quantum dots measured by mode-locking and echo techniques. <i>Physical Review B</i> , 2013, 87, .	1.1	24
262	Growth of graphene-like films for NO ₂ detection. <i>Sensors and Actuators B: Chemical</i> , 2013, 182, 66-70.	4.0	25
263	Correlation and dephasing effects on the non-radiative coherence between bright excitons in an InAs QD ensemble measured with 2D spectroscopy. <i>Solid State Communications</i> , 2013, 163, 65-69.	0.9	25
264	Formation of carbon nanofilms on single crystal quartz. <i>Sensors and Actuators B: Chemical</i> , 2013, 186, 610-613.	4.0	1
265	Confinement and Interaction of Single Indirect Excitons in a Voltage-Controlled Trap Formed Inside Double InGaAs Quantum Wells. <i>Physical Review Letters</i> , 2013, 110, 127403.	2.9	68
266	Ergodic versus diffusive decoherence in mesoscopic devices. <i>Physical Review B</i> , 2013, 87, .	1.1	11
267	Optical Spectroscopy of Spin Noise. <i>Physical Review Letters</i> , 2013, 110, 176601.	2.9	76
268	Grazing-incidence X-ray diffraction of single GaAs nanowires at locations defined by focused ion beams. <i>Journal of Applied Crystallography</i> , 2013, 46, 887-892.	1.9	9
269	Split-gate quantum point contacts with tunable channel length. <i>Journal of Applied Physics</i> , 2013, 113, 024507.	1.1	8
270	Quantum Dot Spintronics: Fundamentals and Applications. <i>Springer Tracts in Modern Physics</i> , 2013, , 235-268.	0.1	1

#	ARTICLE	IF	CITATIONS
271	Origins of conductance anomalies in a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -type GaAs quantum point contact. Physical Review B, 2013, 87, .	1.1	14
272	Many-body correlations of electrostatically trapped dipolar excitons. Physical Review B, 2013, 87, .	1.1	26
273	Fast and efficient single electron transfer between distant quantum dots. Journal of Applied Physics, 2013, 113, .	1.1	8
274	Aharonovâ€“Bohm rings with strong spinâ€“orbit interaction: the role of sample-specific properties. New Journal of Physics, 2013, 15, 033029.	1.2	4
275	Using a Tunable Quantum Wire To Measure the Large out-of-Plane Spin Splitting of Quasi Two-Dimensional Holes in a GaAs Nanostructure. Nano Letters, 2013, 13, 148-152.	4.5	21
276	The effect of $(\text{NH}_4)_2\text{S}$ passivation on the (311)A GaAs surface and its use in AlGaAs/GaAs heterostructure devices. Journal of Physics Condensed Matter, 2013, 25, 325304.	0.7	8
277	Dynamic nuclear polarization and Hanle effect in (In,Ga)As/GaAs quantum dots. Role of nuclear spin fluctuations. , 2013, , .		0
278	Long electron spin coherence in ion-implanted GaN: The role of localization. Applied Physics Letters, 2013, 102, .	1.5	15
279	Observation of the Kondo effect in a spin-32 hole quantum dot. , 2013, , .		0
280	Spin relaxation in spin light-emitting diodes: effects of magnetic field and temperature. Proceedings of SPIE, 2013, , .	0.8	0
281	Anisotropic Zeeman shift in p-type GaAs quantum point contacts. Europhysics Letters, 2013, 102, 37002.	0.7	12
282	High-resolution mass spectrometer for liquid metal ion sources. Review of Scientific Instruments, 2013, 84, 093305.	0.6	7
283	Frequency-Stabilized Source of Single Photons from a Solid-State Qubit. Physical Review X, 2013, 3, .	2.8	29
284	Quantum Hall signatures of dipolar Mahan excitons. Physical Review B, 2013, 87, .	1.1	6
285	Interaction effects and transport properties of Pt capped Co nanoparticles. Journal of Applied Physics, 2013, 113, .	1.1	5
286	Photoluminescence of inversion electrons with carbon acceptors in a single modulation-doped Al $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Ga $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle x \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ As/GaAs heterostructure. Physical Review B, 2013, 87, .	1.1	4
287	Hot carrier effects on the magneto-optical detection of electron spins in GaAs. Physical Review B, 2013, 88, .	1.1	5
288	Hanle effect in (In,Ga)As quantum dots: Role of nuclear spin fluctuations. Physical Review B, 2013, 87, .	1.1	8

#	ARTICLE	IF	CITATIONS
289	Picosecond real-space imaging of electron spin diffusion in GaAs. <i>Physical Review B</i> , 2013, 88, .	1.1	11
290	Scaling of the Kondo zero-bias peak in a hole quantum dot at finite temperatures. <i>Physical Review B</i> , 2013, 87, .	1.1	12
291	Fifth-order nonlinear optical response of excitonic states in an InAs quantum dot ensemble measured with two-dimensional spectroscopy. <i>Physical Review B</i> , 2013, 87, .	1.1	43
292	Combined influence of Coulomb interaction and polarons on the carrier dynamics in InGaAs quantum dots. <i>Physical Review B</i> , 2013, 88, .	1.1	27
293	Hot carrier effects on lateral electron spin diffusion in GaAs . <i>Physical Review B</i> , 2013, 87, .	1.1	11
294	Influence of confinement on biexciton binding in semiconductor quantum dot ensembles measured with two-dimensional spectroscopy. <i>Physical Review B</i> , 2013, 87, .	1.1	50
295	Counting statistics of hole transfer in a GaAs quantum dot with dense excitation spectrum. <i>Physical Review B</i> , 2013, 88, .	1.1	21
296	Biexcitons in semiconductor quantum dot ensembles. <i>Physica Status Solidi (B): Basic Research</i> , 2013, 250, 1753-1759.	0.7	8
297	Charge conversion of nearly free and impurity bound magneto-trions immersed in 2D electron or hole gas with optically tunable concentration. <i>Journal of Physics: Conference Series</i> , 2013, 456, 012017.	0.3	0
298	Spin injection, transport, and relaxation in spin light-emitting diodes: magnetic field effects. , 2013, , .		1
299	Confinement Effects on Biexciton Binding in Semiconductor Quantum Dots Measured with 2D Coherent Spectroscopy. , 2013, , .		0
300	Impedance of Single-Walled Carbon Nanotube Fibers. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 434-438.	1.0	4
301	A few-electron quadruple quantum dot in a closed loop. <i>Applied Physics Letters</i> , 2012, 101, .	1.5	50
302	All-optical tunability of microdisk lasers via photo-addressable polyelectrolyte functionalization. <i>Optics Express</i> , 2012, 20, 6060.	1.7	7
303	Publisher's Note: Probing Single-Charge Fluctuations at a GaAs/AlAs Interface Using Laser Spectroscopy on a Nearby InGaAs Quantum Dot [<i>Phys. Rev. Lett.</i> 108 , 107401 (2012)]. <i>Physical Review Letters</i> , 2012, 108, .	2.9	2
304	Non-resonant optical excitation of mode-locked electron spin coherence in (In,Ga)As/GaAs quantum dot ensemble. <i>Applied Physics Letters</i> , 2012, 100, 232107.	1.5	4
305	Transverse rectification in density-modulated two-dimensional electron gases. <i>Physical Review B</i> , 2012, 86, .	1.1	6
306	Magnetic field dependence of the spin relaxation length in spin light-emitting diodes. <i>Applied Physics Letters</i> , 2012, 101, 112402.	1.5	10

#	ARTICLE	IF	CITATIONS
307	Origin of gate hysteresis in p -type Si-doped AlGaAs/GaAs heterostructures. Physical Review B, 2012, 86, .	1.1	12
308	Transport through side-coupled double quantum dots: From weak to strong interdot coupling. Physical Review B, 2012, 85, .	1.1	21
309	Room temperature spin relaxation in quantum dot based spin-optoelectronic devices. , 2012, , .		2
310	Photoluminescence lineshape features of carbon δ -doped GaAs heterostructures. Journal of Physics Condensed Matter, 2012, 24, 165801.	0.7	7
311	Observation of the Kondo effect in a spin-3/2 hole quantum dot. , 2012, , .		0
312	The origin of gate hysteresis in p -type Si-doped AlGaAs/GaAs heterostructures. , 2012, , .		0
313	Electron-nuclei spin coupling in GaAs δ -Free versus localized electrons. Applied Physics Letters, 2012, 100, .	1.5	6
314	Hole spin precession in a (In,Ga)As quantum dot ensemble: From resonant spin amplification to spin mode locking. Physical Review B, 2012, 86, .	1.1	25
315	Fabrication and characterization of ambipolar devices on an undoped AlGaAs/GaAs heterostructure. Applied Physics Letters, 2012, 100, .	1.5	37
316	Probing Single-Charge Fluctuations at a GaAs/AlAs Interface Using Laser Spectroscopy on a Nearby InGaAs Quantum Dot. Physical Review Letters, 2012, 108, 107401.	2.9	125
317	Noise thermometry in narrow two-dimensional electron gas heat baths connected to a quasi-one-dimensional interferometer. Physical Review B, 2012, 85, .	1.1	7
318	Hyperfine interaction mediated exciton spin relaxation in (In,Ga)As quantum dots. Physical Review B, 2012, 85, .	1.1	16
319	Surface acoustic wave controlled carrier injection into self-assembled quantum dots and quantum posts. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 407-410.	0.8	1
320	Einzelne Elektronen surfen auf einer Schallwelle. Physik in Unserer Zeit, 2012, 43, 7-8.	0.0	0
321	Intrinsic Spin Fluctuations Reveal the Dynamical Response Function of Holes Coupled to Nuclear Spin Baths in (In,Ga)As Quantum Dots. Physical Review Letters, 2012, 108, 186603.	2.9	77
322	Electrical control of a solid-state flying qubit. Nature Nanotechnology, 2012, 7, 247-251.	15.6	105
323	Cyclotron-resonant exciton transfer between the nearly free and strongly localized radiative states of a two-dimensional hole gas in a high magnetic field. Physical Review B, 2012, 85, .	1.1	7
324	Momentum matching in the tunneling between 2-dimensional and 0-dimensional electron systems. Applied Physics Letters, 2012, 100, .	1.5	7

#	ARTICLE	IF	CITATIONS
343	Electrically driven intentionally positioned single quantum dot. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1182-1185.	0.8	0
344	Growth of GaN based structures on focused ion beam patterned templates. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2011, 8, 1516-1519.	0.8	2
345	MOCVD of ZnO Films from <i>Bis</i> (Ketoiminato)Zn(II) Precursors: Structure, Morphology and Optical Properties. <i>Chemical Vapor Deposition</i> , 2011, 17, 155-161.	1.4	27
346	(100) GaAs/Al _x Ga _{1-x} As heterostructures for Zeeman spin splitting studies of hole quantum wires. <i>Journal of Crystal Growth</i> , 2011, 323, 48-51.	0.7	0
347	Transport spectroscopy of non-equilibrium many-particle spin states in self-assembled quantum dots. <i>Nature Communications</i> , 2011, 2, 209.	5.8	28
348	Dyakonov-Perel electron spin relaxation in a wurtzite semiconductor: From the nondegenerate to the highly degenerate regime. <i>Physical Review B</i> , 2011, 84, .	1.1	23
349	Dynamic Nuclear Spin Resonance in n -GaAs. <i>Physical Review Letters</i> , 2011, 107, 167601.	2.9	11
350	Non-invasive nano-imaging of ion implanted and activated copper in silicon. <i>Journal of Applied Physics</i> , 2011, 110, .	1.1	4
351	Observation of the Kondo Effect in a Spin-3/2 Hole Quantum Dot. <i>Physical Review Letters</i> , 2011, 107, 076805.	2.9	28
352	Generation and detection of mode-locked spin coherence in (In,Ga)As/GaAs quantum dots by laser pulses of long duration. <i>Physical Review B</i> , 2011, 84, .	1.1	13
353	Optically detected nuclear magnetic resonance in <i>n</i> -GaAs using an on-chip microcoil. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	5
354	Polarization-preserving confocal microscope for optical experiments in a dilution refrigerator with high magnetic field. <i>Review of Scientific Instruments</i> , 2011, 82, 043105.	0.6	8
355	Room temperature spin relaxation length in spin light-emitting diodes. <i>Applied Physics Letters</i> , 2011, 99, 051102.	1.5	25
356	Mode-filtered electron injection into a waveguide interferometer. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	4
357	AC-Conductivity of Thin Polycrystalline Tin Dioxide Films. <i>Acta Physica Polonica A</i> , 2011, 119, 146-147.	0.2	0
358	Time-resolved Hanle effect in (In,Ga)As/GaAs quantum dots. <i>Journal of Physics: Conference Series</i> , 2010, 245, 012055.	0.3	2
359	Capacitance-voltage spectroscopy on InAs quantum dot valence band states in tilted magnetic fields. <i>Journal of Physics: Conference Series</i> , 2010, 245, 012043.	0.3	2
360	Transverse ballistic rectification in density-modulated 2D-systems. , 2010, , .		0

#	ARTICLE	IF	CITATIONS
361	Comparison of bismuth emitting liquid metal ion sources. Applied Physics A: Materials Science and Processing, 2010, 99, 145-150.	1.1	20
362	A Two-Dimensional Electron Gas as a Sensitive Detector for Time-Resolved Tunneling Measurements on Self-Assembled Quantum Dots. Nanoscale Research Letters, 2010, 5, 829-833.	3.1	11
363	A voltage-tunable in-plane diode in a two-dimensional-electron system. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1216-1219.	1.3	1
364	Aharonov-Bohm oscillation phase shift in a multi-terminal asymmetric quantum ring. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1099-1102.	1.3	7
365	Ballistic induced hole quantum wires fabricated on a (100)-oriented AlGaAs/GaAs heterostructure. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 1111-1113.	1.3	2
366	Self-assembled quantum dots in a liquid-crystal-tunable microdisk resonator. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2552-2555.	1.3	9
367	Intentionally positioned self-assembled InAs quantum dots in an electroluminescent p-n junction diode. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2749-2752.	1.3	7
368	A two-dimensional electron gas as a sensitive detector to observe the charge carrier dynamics of self-assembled QDs. Physica E: Low-Dimensional Systems and Nanostructures, 2010, 42, 2598-2601.	1.3	3
369	Combinatorial investigation of Hf-Ta thin films and their anodic oxides. Electrochimica Acta, 2010, 55, 7884-7891.	2.6	37
370	In-plane gate transistors implanted with different channel geometries by focussed ion beam in positive mode pattern definition technique. Physica Status Solidi (A) Applications and Materials Science, 2010, 207, 229-234.	0.8	5
371	Nanoscale Engineering and Optical Addressing of Single Spins in Diamond. Small, 2010, 6, 2117-2121.	5.2	100
372	Correlation-induced single-flux-quantum penetration in quantum rings. Nature Physics, 2010, 6, 173-177.	6.5	22
373	Coherent spin dynamics in nanopatterned ferromagnet-semiconductor hybrids at room-temperature. , 2010, , .		0
374	Electron-Nuclear Spin Polarization Dynamics in InGaAs Quantum Dots. , 2010, , .		0
375	Electronic structure of self-assembled InGaAs/GaAs quantum rings studied by capacitance-voltage spectroscopy. Applied Physics Letters, 2010, 96, .	1.5	17
376	Electromagnetically induced transparency with an ensemble of donor-bound electron spins in a semiconductor. Physical Review B, 2010, 82, .	1.1	14
377	An intentionally positioned (In,Ga)As quantum dot in a micron sized light emitting diode. Applied Physics Letters, 2010, 97, 143101.	1.5	17
378	Nanostructures in p-GaAs with improved tunability. Applied Physics Letters, 2010, 97, 022110.	1.5	10

#	ARTICLE	IF	CITATIONS
379	Control of the transmission phase in an asymmetric four-terminal Aharonov-Bohm interferometer. Physical Review B, 2010, 82, .	1.1	21
380	Quantum coherence at low temperatures in mesoscopic systems: Effect of disorder. Physical Review B, 2010, 81, .	1.1	34
381	Spin dynamics of electrons and holes in $\text{InGaAs}/\text{GaAs}$ quantum wells at millikelvin temperatures. Physical Review B, 2010, 81, .	1.1	26
382	Quantized Magnetic Confinement in Quantum Wires. Physical Review Letters, 2010, 104, 186801.	2.9	31
383	Artificial Atoms in Magnetic Fields: Wave-Function Shaping and Phase-Sensitive Tunneling. Physical Review Letters, 2010, 105, 176804.	2.9	25
384	Suppressed spin dephasing for two-dimensional and bulk electrons in GaAs wires due to engineered cancellation of spin-orbit interaction terms. Physical Review B, 2010, 81, .	1.1	16
385	Epitaxial growth and interfacial magnetism of spin aligner for remanent spin injection: $[\text{Fe}/\text{Tb}]_n/\text{Fe}/\text{MgO}/\text{GaAs}$ -light emitting diode as a prototype system. Journal of Applied Physics, 2010, 108, 063902.	1.1	15
386	Full-wave rectification based upon hot-electron thermopower. Applied Physics Letters, 2010, 97, 062112.	1.5	10
387	Evidence for localization and 0.7 anomaly in hole quantum point contacts. Europhysics Letters, 2010, 91, 67010.	0.7	22
388	Optical probing of spin dynamics of two-dimensional and bulk electrons in a GaAs/AlGaAs heterojunction system. New Journal of Physics, 2010, 12, 113040.	1.2	7
389	Observation of orientation- and k -dependent Zeeman spin-splitting in hole quantum wires on (100)-oriented AlGaAs/GaAs heterostructures. New Journal of Physics, 2010, 12, 033043.	1.2	30
390	Tuning quantum-dot based photonic devices with liquid crystals. Optics Express, 2010, 18, 7946.	1.7	11
391	Spin Noise of Electrons and Holes in Self-Assembled Quantum Dots. Physical Review Letters, 2010, 104, 036601.	2.9	136
392	Enhanced Sequential Carrier Capture into Individual Quantum Dots and Quantum Posts Controlled by Surface Acoustic Waves. Nano Letters, 2010, 10, 3399-3407.	4.5	48
393	Optically detected magnetic resonance at the quadrupole-split nuclear states in $(\text{In},\text{Ga})\text{As}/\text{GaAs}$ quantum dots. Physical Review B, 2010, 82, .	1.1	30
394	Phase shifts and phase jumps in four-terminal waveguide Aharonov-Bohm interferometers. Physical Review B, 2010, 82, .	1.1	18
395	Can insulating the gates lead us to stable modulation-doped hole quantum devices?. , 2010, , .		0
396	Effect of pump-probe detuning on the Faraday rotation and ellipticity signals of mode-locked spins in $(\text{In},\text{Ga})\text{As}/\text{GaAs}$ quantum dots. Physical Review B, 2010, 82, .	1.1	33

#	ARTICLE	IF	CITATIONS
397	Fabrication and characterisation of an induced ambipolar device on AlGaAs/GaAs Heterostructures. , 2010, , .		0
398	A 2D Electron Gas for Studies on Tunneling Dynamics and Charge Storage in Self-assembled Quantum Dots. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2010, , 180-188.	0.2	0
399	Conversion of bound excitons to free excitons by surface acoustic waves. Physical Review B, 2009, 80, .	1.1	6
400	Carrier relaxation dynamics in self-assembled semiconductor quantum dots. Physical Review B, 2009, 80, .	1.1	49
401	Anomalous photoresponse of GaN x-ray Schottky detectors. Journal of Applied Physics, 2009, 105, .	1.1	20
402	Nonlocal Aharonovâ€“Bohm conductance oscillations in an asymmetric quantum ring. Applied Physics Letters, 2009, 94, 022107.	1.5	26
403	Collective single-mode precession of electron spins in an ensemble of singly charged (In,Ga)As/GaAs quantum dots. Physical Review B, 2009, 79, .	1.1	32
404	Dynamics of the nuclear spin polarization by optically oriented electrons in a (In,Ga)As/GaAs quantum dot ensemble. Physical Review B, 2009, 80, .	1.1	33
405	Measurement of the Knight field and local nuclear dipole-dipole field in an InGaAs/GaAs quantum dot ensemble. Physical Review B, 2009, 80, .	1.1	15
406	Inversion-asymmetry-induced spin splitting observed in the quantum oscillatory magnetization of a two-dimensional electron system. Physical Review B, 2009, 79, .	1.1	25
407	Long-Term Hole Spin Memory in the Resonantly Amplified Spin Coherence of $\text{InGaAs}/\text{GaAs}$ Quantum Well Electrons. Physical Review Letters, 2009, 102, 167402.	2.9	37
408	Effect of Disorder on the Quantum Coherence in Mesoscopic Wires. Physical Review Letters, 2009, 102, 226801.	2.9	21
409	Alloy liquid metal ion source for carbon focused ion beams. Journal of Vacuum Science & Technology B, 2009, 27, L47-L49.	1.3	17
410	Using a two-dimensional electron gas to study nonequilibrium tunneling dynamics and charge storage in self-assembled quantum dots. Applied Physics Letters, 2009, 95, 022113.	1.5	37
411	Magnetic barrier in a two-dimensional hole gas. Superlattices and Microstructures, 2009, 46, 723-727.	1.4	0
412	Spinâ€“controlled optoelectronic devices. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 436-439.	0.8	4
413	A way to a single frequency precession of an inhomogeneous ensemble of electron spins in InGaAs quantum dots. Physica Status Solidi C: Current Topics in Solid State Physics, 2009, 6, 428-431.	0.8	2
414	Ultrafast optical rotations of electron spins in quantum dots. Nature Physics, 2009, 5, 262-266.	6.5	211

#	ARTICLE	IF	CITATIONS
415	High-throughput study of the anodic oxidation of Hf/Ti thin films. <i>Electrochimica Acta</i> , 2009, 54, 5171-5178.	2.6	20
416	High-throughput synthesis and characterization of anodic oxides on Nb/Ti alloys. <i>Electrochimica Acta</i> , 2009, 54, 5973-5980.	2.6	39
417	Gold Nanoparticles Partially Embedded in Ultrathin Anodic Alumina Films. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3105-3109.	1.5	5
418	A combinatorial passivation study of Ta/Ti alloys. <i>Corrosion Science</i> , 2009, 51, 1519-1527.	3.0	50
419	Ellipsoidal InAs quantum dots observed by cross-sectional scanning tunneling microscopy. <i>Applied Physics Letters</i> , 2009, 94, 023107.	1.5	53
420	Photoluminescence upconversion in GaAs quantum wells. , 2009, , .		0
421	Electron energy structure of self-assembled In(Ga)As nanostructures probed by capacitance-voltage spectroscopy and one-dimensional numerical simulation. <i>Journal of Materials Research</i> , 2009, 24, 2179-2184.	1.2	1
422	Lateral electron tunnelling spectroscopy in etched GaAs/AlGaAs-based nanostructures. <i>Journal of Physics: Conference Series</i> , 2009, 193, 012043.	0.3	0
423	Paramagnetic and ferromagnetic resonance studies on dilute magnetic semiconductors based on GaN. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2008, 205, 1872-1875.	0.8	12
424	Quantum Hall effect in long and in mobility adjusted GaAs/Al _x As samples. <i>Physica Status Solidi (B): Basic Research</i> , 2008, 245, 276-283.	0.7	3
425	Transport across the incompressible strip in the fractional quantum Hall effect regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1232-1234.	1.3	1
426	Magnetic-field-induced modification of the wave-functions in InAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1870-1872.	1.3	6
427	Influence of In _{0.15} Ga _{0.85} As capping layers on the electron and hole energy levels of InAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1891-1893.	1.3	2
428	A comparison: 2D electron- and hole systems in the fractional quantum Hall regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1258-1260.	1.3	0
429	Aharonov-Bohm oscillations in p-type GaAs quantum rings. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1273-1275.	1.3	20
430	Aharonov-Bohm effect of quantum Hall edge channels. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1470-1472.	1.3	1
431	Capacitance-voltage spectroscopy of post-growth annealed InAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1961-1964.	1.3	2
432	Polarized-microwave control of directed transport in a 2D electron gas with artificial asymmetrical scatterers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 2043-2045.	1.3	3

#	ARTICLE	IF	CITATIONS
433	Site-selective growth of self-assembled InAs quantum dots on focused ion beam patterned GaAs. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2034-2036.	1.3	9
434	Quantum dots as tunable scatterers for 2D- and 1D-electron systems. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2075-2077.	1.3	5
435	Hot-electron bend resistance in a ballistic GaAs/AlGaAs cross junction. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2128-2130.	1.3	2
436	Strong spin-orbit interactions in carbon doped p-type GaAs heterostructures. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2144-2146.	1.3	3
437	Magneto-ballistic effects in non-centrosymmetric GaAs/AlGaAs cross junctions. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2179-2181.	1.3	2
438	Long-life bismuth liquid metal ion source for focussed ion beam micromachining application. Applied Surface Science, 2008, 254, 7401-7404.	3.1	16
439	Experimental investigation of the ratchet effect in a two-dimensional electron system with broken spatial inversion symmetry. Physical Review B, 2008, 78, .	1.1	45
440	Spin Accumulation and Spin Relaxation in a Large Open Quantum Dot. Physical Review Letters, 2008, 101, 056602.	2.9	23
441	n-type diamond produced by MeV lithium implantation in channeling direction. Diamond and Related Materials, 2008, 17, 1933-1935.	1.8	6
442	Structural, magnetic, and optical properties of Co- and Gd-implanted ZnO(0001) substrates. Journal of Applied Physics, 2008, 104, .	1.1	44
443	Combinatorial electrochemistry on Al-Fe alloys. Science and Technology of Advanced Materials, 2008, 9, 035009.	2.8	39
444	Theoretical and experimental investigations of Coulomb blockade in coupled quantum dot systems. Journal of Physics Condensed Matter, 2008, 20, 374108.	0.7	4
445	Anomalous Hall Effect in Gd-implanted Wurtzite Al _x Ga _{1-x} N High Electron Mobility Transistor Structures. Materials Research Society Symposia Proceedings, 2008, 1111, 1.	0.1	1
446	Optimum annealing temperature versus nitrogen composition in InAs/(Ga, In) (N, As) quantum dots. Semiconductor Science and Technology, 2008, 23, 035020.	1.0	1
447	Coherent spin dynamics in Permalloy-GaAs hybrids at room temperature. Applied Physics Letters, 2008, 92, 241920.	1.5	3
448	Quantum dot as thermal rectifier. New Journal of Physics, 2008, 10, 083016.	1.2	189
449	Room-temperature spin-controlled optoelectronic devices. , 2008, , .		0
450	Strong spin-orbit interactions and weak antilocalization in carbon-doped p-GaAs	1.1	61

#	ARTICLE	IF	CITATIONS
451	Temperature-induced spin-coherence dissipation in quantum dots. Physical Review B, 2008, 78, .	1.1	26
452	Low-temperature dephasing in irradiated metallic wires. Physical Review B, 2008, 77, .	1.1	6
453	Compact cryogenic Kerr microscope for time-resolved studies of electron spin transport in microstructures. Review of Scientific Instruments, 2008, 79, 123904.	0.6	6
454	Probing the band structure of InAs ^x GaAs quantum dots by capacitance-voltage and photoluminescence spectroscopy. Applied Physics Letters, 2008, 92, 193111.	1.5	18
455	Electrical detection of photoinduced spins both at room temperature and in remanence. Applied Physics Letters, 2008, 92, .	1.5	43
456	GaN for x-ray detection. Applied Physics Letters, 2008, 92, .	1.5	29
457	Luminescence upconversion in GaAs quantum wells. Physical Review B, 2008, 77, .	1.1	27
458	Hysteretic magnetotransport in $\text{p} \times \text{Al}_x \text{In}_{1-x} \text{GaAs}$ with In/Zn/Au Ohmic contacts. Physical Review B, 2008, 77, .	1.1	2
459	Magnetic-barrier-induced conductance fluctuations in quantum wires. Physical Review B, 2008, 78, .	1.1	8
460	Room temperature electrical spin injection in remanence. Applied Physics Letters, 2008, 93, .	1.5	53
461	Magnetotransport in Gd-implanted wurtzite GaN _{1-x} Al _x Ga _{1-x} N high electron mobility transistor structures. Applied Physics Letters, 2008, 92, 112111.	1.5	10
462	Observation of excited states in a p-type GaAs quantum dot. Europhysics Letters, 2008, 84, 57004.	0.7	15
463	Localization and nonlinear transport in single walled carbon nanotube fibers. Journal of Applied Physics, 2008, 104, .	1.1	24
464	Electrical Properties and Magnetoresistance of Nanogranular SnO ₂ Films. Acta Physica Polonica A, 2008, 113, 1043-1046.	0.2	2
465	Electrical Properties of ZnO-Based Nanostructures. Journal of the Korean Physical Society, 2008, 53, 119-122.	0.3	2
466	CYCLOTRON RESONANCE IN COUPLED BILAYERS IN HIGH MAGNETIC FIELDS. International Journal of Modern Physics B, 2007, 21, 1589-1593.	1.0	0
467	Nuclei-Induced Frequency Focusing of Electron Spin Coherence. Science, 2007, 317, 1896-1899.	6.0	218
468	Evidence for the Luttinger liquid density of states in transport across the incompressible stripe at fractional filling factors. Europhysics Letters, 2007, 77, 37002.	0.7	4

#	ARTICLE	IF	CITATIONS
469	Charge and spin dynamics in a two-dimensional electron gas. Journal of Physics Condensed Matter, 2007, 19, 295206. Experimental imaging and atomistic modeling of electron and hole quasiparticle wave functions in \ln	0.7	8
470	As GaAs quantum dots. Physical Review B, 2007, 75, .	1.1	42
471	Aharonov-Bohm Oscillations in the Presence of Strong Spin-Orbit Interactions. Physical Review Letters, 2007, 99, 176803.	2.9	67
472	Effect of annealing on the magnetic properties of Gd focused ion beam implanted GaN. Applied Physics Letters, 2007, 91, 072514.	1.5	57
473	Spin Coherence of Holes in GaAs AlGaAs Quantum Dots. Physical Review Letters, 2007, 99, 187401.	1.0	31
474	Exciton fine structure in InGaAs GaAs quantum dots revisited by pump-probe Faraday rotation. Physical Review B, 2007, 75, .	1.1	65
475	Systematic study of carrier correlations in the electron-hole recombination dynamics of quantum dots. Physical Review B, 2007, 76, .	1.1	31
476	Robust manipulation of electron spin coherence in an ensemble of singly charged quantum dots. Physical Review B, 2007, 75, .	1.1	32
477	Measurement of the specific heat of a fractional quantum Hall system. Physical Review B, 2007, 76, .	1.1	8
478	Investigation of Non-Radiative Processes in $\text{InAs}/(\text{Ga},\text{In})(\text{N},\text{As})$ Quantum Dots. Japanese Journal of Applied Physics, 2007, 46, L317-L319.	0.8	2
479	Sequential and cotunneling behavior in the temperature-dependent thermopower of few-electron quantum dots. Physical Review B, 2007, 75, .	1.1	73
480	Subsecond Spin Relaxation Times in Quantum Dots at Zero Applied Magnetic Field Due to a Strong Electron-Nuclear Interaction. Physical Review Letters, 2007, 98, 107401.	2.9	73
481	Hole levels in InAs self-assembled quantum dots. Physical Review B, 2007, 75, .	1.1	17
482	Magnetic and structural properties of Gd-implanted zinc-blende GaN. Applied Physics Letters, 2007, 90, .	1.5	33
483	Focused ion beam implantation induced site-selective growth of InAs quantum dots. Applied Physics Letters, 2007, 91, 123108.	1.5	42
484	AHARONOV-BOHM EFFECT IN THE QUANTUM HALL REGIME. International Journal of Modern Physics B, 2007, 21, 1404-1408.	1.0	2
485	Universal behavior of the electroconductance in $\text{GaAs}/\text{Al}_x\text{Ga}_{1-x}\text{As}$ quantum wells. Physical Review B, 2007, 75, .	1.1	118
486	Transport Spectroscopy Of In-Plane Dual Electron Waveguides. AIP Conference Proceedings, 2007, , .	0.3	1

#	ARTICLE	IF	CITATIONS
487	Hole transport in p-type GaAs quantum dots and point contacts. AIP Conference Proceedings, 2007, , .	0.3	4
488	Microelectrochemical lithography: A method for direct writing of surface oxides. Electrochimica Acta, 2007, 52, 7865-7869.	2.6	45
489	Spin-controlled LEDs and VCSELs. Physica Status Solidi (A) Applications and Materials Science, 2007, 204, 500-507.	0.8	13
490	Electrostatic electron piston pump with in-plane gate transistors. Physica Status Solidi (B): Basic Research, 2007, 244, 3009-3014.	0.7	1
491	The Influence of Device Geometry on Many-Body Effects in Quantum Point Contacts: Signatures of the 0.7 Anomaly, Exchange and Kondo. Journal of Superconductivity and Novel Magnetism, 2007, 20, 433-441.	0.8	24
492	Enhanced Rectification Efficiency In Cascaded Ballistic GaAs/AlGaAs Rectifiers. AIP Conference Proceedings, 2007, , .	0.3	1
493	Mode Locking of Electron Spin Coherences in Singly Charged Quantum Dots. Science, 2006, 313, 341-345.	6.0	409
494	Control of quantum dot excitons by lateral electric fields. Applied Physics Letters, 2006, 89, 123105.	1.5	19
495	Setup of a scanning near field infrared microscope (SNIM): Imaging of sub-surface nano-structures in gallium-doped silicon. Physical Chemistry Chemical Physics, 2006, 8, 753-758.	1.3	49
496	Ballistic transport and rectification in mesoscopic GaAs/AlGaAs cross junctions. Phase Transitions, 2006, 79, 755-764.	0.6	3
497	Role of quantum capacitance in coupled low-dimensional electron systems. Physical Review B, 2006, 73, .	1.1	27
498	Quantum dot electrons as controllable scattering centers in the vicinity of a two-dimensional electron gas. Phase Transitions, 2006, 79, 765-770.	0.6	14
499	1.5 Åµm luminescence from InAs/GaxIn1-xyNyAs1-y quantum dots grown on GaAs substrate. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3848-3851.	0.8	0
500	Optimization of InAs/(Ga,In)As quantum dots in view of efficient emission at 1.5 Åµm. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 3979-3982.	0.8	2
501	Magnetic field induced manipulation of the coherent electron spin dynamics in n-GaAs. Physica Status Solidi C: Current Topics in Solid State Physics, 2006, 3, 4346-4349.	0.8	5
502	Spin ordering: two different scenarios for the single and double layer structures in the fractional and integer quantum Hall effect regimes. Physica Status Solidi (B): Basic Research, 2006, 243, 3648-3652.	0.7	8
503	Hole and electron wave functions in self-assembled InAs quantum dots: a comparison. Physica Status Solidi (B): Basic Research, 2006, 243, 3942-3945.	0.7	2
504	Influence of a lateral electric field on the optical properties of InAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 73-76.	1.3	7

#	ARTICLE	IF	CITATIONS
505	Mapping of the hole wave functions of self-assembled InAs-quantum dots by magneto-capacitance voltage spectroscopy. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 159-162.	1.3	11
506	Optical beam-induced current in planar two-dimensional n-p-n devices. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 508-511.	1.3	4
507	Nonlocal versus local rectification in multiply connected electron waveguide structures. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 536-538.	1.3	4
508	Correlated electron states at level crossings of bilayer two-dimensional electron systems in tilted magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 179-182.	1.3	1
509	In-plane tunnelling between one- and two-dimensional electron systems. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 522-525.	1.3	1
510	Dynamics of nuclear spins appearing in transport measurements of an inter-edge spin diode in tilted magnetic fields. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 355-358.	1.3	2
511	Transport spectroscopy of a quantum point contact created by an atomic force microscope. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 519-521.	1.3	3
512	Interaction effects observed in the magnetization of a bilayer two-dimensional electron system. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 191-194.	1.3	3
513	Sticking behavior of the dopants Si, C, and Be upon re-evaporation of individually doped GaAs(100). Journal of Crystal Growth, 2006, 293, 278-284.	0.7	0
514	Magnetization of bilayer two-dimensional electron systems. New Journal of Physics, 2006, 8, 315-315.	1.2	4
515	Fabrication of submicrometer patterned two-dimensional electron gases by overgrowth of focused ion beam doped Al _x Ga _{1-x} As. Journal of Vacuum Science & Technology B, 2006, 24, 1863.	1.3	0
516	Enhancement of spin information with vertical cavity surface emitting lasers. Electronics Letters, 2006, 42, 88.	0.5	47
517	Spin-controlled vertical cavity surface-emitting lasers. , 2006, , .		1
518	Ferromagnetism and colossal magnetic moment in Gd-focused ion-beam-implanted GaN. Applied Physics Letters, 2006, 89, 062503.	1.5	113
519	Ballistic rectification in an asymmetric mesoscopic cross junction. Applied Physics Letters, 2006, 88, 082110.	1.5	24
520	Directed Electron Transport through a Ballistic Quantum Dot under Microwave Radiation. Physical Review Letters, 2006, 97, 226807.	2.9	13
521	Fabrication of genuine single-quantum-dot light-emitting diodes. Applied Physics Letters, 2006, 88, 121115.	1.5	37
522	Spin injection light-emitting diode with vertically magnetized ferromagnetic metal contacts. Journal of Applied Physics, 2006, 99, 073907.	1.1	28

#	ARTICLE	IF	CITATIONS
523	Experimental evidence of the ideal de Haas-van Alphen effect in a two-dimensional system. Physical Review B, 2006, 73, .	1.1	35
524	Long wavelength emitting InAs ^{1-x} Ga _{0.85} In _{0.15} NxAs ^{1-x} quantum dots on GaAs substrate. Applied Physics Letters, 2006, 88, 231902.	1.5	23
525	Coherent spin oscillations in bulk GaAs at room temperature. Applied Physics Letters, 2006, 89, 231101.	1.5	41
526	Scaling of the Low-Temperature Dephasing Rate in Kondo Systems. Physical Review Letters, 2006, 97, 226804.	2.9	44
527	Resistance of a Single Domain Wall in (Co/Pt) ₇ Multilayer Nanowires. Physical Review Letters, 2006, 97, 226805.	2.9	31
528	Optical Control of Spin Coherence in Singly Charged (In,Ga)As/GaAs Quantum Dots. Physical Review Letters, 2006, 96, 227401.	2.9	193
529	Equilibration between edge states in the fractional quantum Hall effect regime at high imbalances. Physical Review B, 2006, 74, .	1.1	14
530	Electron Spins in Self-Assembled (In,Ga)As/GaAs Quantum Dots Studied by Pump-Probe Faraday Rotation. Acta Physica Polonica A, 2006, 110, 287-293.	0.2	0
531	Spin-controlled LEDs and VCSELs. , 2005, , .		0
532	Coherent dynamics in InGaAs quantum dots and quantum dot molecules. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 400-407.	1.3	1
533	Magnetic field dependence of hole levels in InAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2005, 26, 446-449.	1.3	6
534	Experimental Investigation of the Edge States Structure at Fractional Filling Factors. JETP Letters, 2005, 82, 539.	0.4	7
535	Spin controlled optically pumped vertical cavity surface emitting laser. Electronics Letters, 2005, 41, 251.	0.5	39
536	Electronic properties of C-doped (100) AlGaAs heterostructures. AIP Conference Proceedings, 2005, , .	0.3	1
537	In-plane tunneling spectroscopy of a two-dimensional electron gas through a one-dimensional barrier. AIP Conference Proceedings, 2005, , .	0.3	1
538	Relative Specific Heat at $\nu = 1/2$ Measured in a Phonon Absorption Experiment. AIP Conference Proceedings, 2005, , .	0.3	1
539	Magneto-spectroscopy of hole levels in InAs quantum dots. AIP Conference Proceedings, 2005, , .	0.3	0
540	InAs/In _{0.15} Ga _{0.85} As ^{1-x} Nx quantum dots for 1.5 μ m laser applications. Materials Research Society Symposia Proceedings, 2005, 891, 1.	0.1	4

#	ARTICLE	IF	CITATIONS
541	Dual-gate GaAs/AlGaAs quantum point contact with tuneable subband energy separation. Semiconductor Science and Technology, 2005, 20, 140-143.	1.0	1
542	Preparation of electron waveguide devices on GaAs/AlGaAs using negative-tone resist calixarene. Semiconductor Science and Technology, 2005, 20, 814-818.	1.0	37
543	Magneto-Capacitance Imaging of Quasi-Particle Wave Functions in Quantum Dots. AIP Conference Proceedings, 2005, , .	0.3	0
544	Screening effects in InAs quantum-dot structures observed by photoluminescence and capacitance-voltage spectra. Applied Physics Letters, 2005, 87, 163117.	1.5	6
545	Submicron periodic poling and chemical patterning of GaN. Applied Physics Letters, 2005, 87, 062106.	1.5	33
546	Depletion characteristics of two-dimensional lateral p-n-junctions. Applied Physics Letters, 2005, 86, 162110.	1.5	34
547	Coulomb-Interaction-Induced Incomplete Shell Filling in the Hole System of InAs Quantum Dots. Physical Review Letters, 2005, 94, 026808.	2.9	56
548	Wave-form sampling using a driven electron ratchet in a two-dimensional electron system. Applied Physics Letters, 2005, 87, 042104.	1.5	15
549	Electrical Readout of the Local Nuclear Polarization in the Quantum Hall Effect: A Hyperfine Battery. Physical Review Letters, 2005, 95, 056802.	2.9	19
550	Single-hole transistor in p-type GaAs/AlGaAs heterostructures. Applied Physics Letters, 2005, 87, 232108.	1.5	36
551	Optical orientation of electron spins in GaAs quantum wells. Physical Review B, 2005, 71, .	1.1	83
552	Electron spin injection into GaAs from ferromagnetic contacts in remanence. Applied Physics Letters, 2005, 87, 032502.	1.5	47
553	Exciton dephasing via phonon interactions in InAs quantum dots: Dependence on quantum confinement. Physical Review B, 2005, 71, .	1.1	139
554	Optical Control of Excitons in a Pair of Quantum Dots Coupled by the Dipole-Dipole Interaction. Physical Review Letters, 2005, 94, 137404.	2.9	187
555	Magnetocapacitance probing of the many-particle states in InAs dots. Applied Physics Letters, 2005, 86, 092104.	1.5	43
556	Fabrication and Magnetotransport Properties of Carbon Films with Embedded Metal Nanoclusters. Acta Physica Polonica A, 2005, 107, 356-360.	0.2	1
557	Capacitance and tunneling spectroscopy of InAs quantum dots. Journal of Applied Physics, 2004, 95, 5715-5721.	1.1	4
558	Two relaxation mechanisms observed in transport between spin-split edge states at high imbalance. Physical Review B, 2004, 69, .	1.1	29

#	ARTICLE	IF	CITATIONS
559	Phonon Excitations of Composite-Fermion Landau Levels. <i>Physical Review Letters</i> , 2004, 93, 026801.	2.9	3
560	The linearly graded two-dimensional p-n junction. <i>Applied Physics Letters</i> , 2004, 84, 3313-3315.	1.5	6
561	Magnetotransport in C-doped AlGaAs heterostructures. <i>Applied Physics Letters</i> , 2004, 85, 2277-2279.	1.5	28
562	MAGNETIZATION OF A BILAYER 2D ELECTRON GAS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3665-3670.	1.0	3
563	DESTRUCTION OF CORRELATED BILAYER STATES SUBJECTED TO TILTED MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3693-3698.	1.0	6
564	TUNNELING BETWEEN SPIN POLARIZED EDGE STATES STUDIED AT HIGH MAGNETIC FIELDS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3649-3652.	1.0	3
565	PHONON EXCITATIONS OF COMPOSITE FERMION LANDAU LEVELS. <i>International Journal of Modern Physics B</i> , 2004, 18, 3857-3864.	1.0	1
566	Optical Stark Effect in a Quantum Dot: Ultrafast Control of Single Exciton Polarizations. <i>Physical Review Letters</i> , 2004, 92, 157401.	2.9	120
567	Frequency-dependent C(V) spectroscopy of the hole system in InAs quantum dots. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 445-450.	1.3	17
568	Laterally patterned high mobility two-dimensional electron gases obtained by overgrowth of focused ion beam implanted Al _{1-x} Ga _x As. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 592-596.	1.3	0
569	Magnetization of multi-component two-dimensional quantum-Hall systems. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 86-89.	1.3	2
570	Hall magnetometry on Co, Fe, and Py nanowires. <i>Journal of Magnetism and Magnetic Materials</i> , 2004, 272-276, 1654-1655.	1.0	3
571	Ultrascale nanoscale devices fabricated from compensating-layer GaAs/AlGaAs heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 435-439.	1.3	0
572	Wave function mapping of self-assembled quantum dots by capacitance spectroscopy. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 516-520.	1.3	3
573	Fabrication of two-dimensional n- and p-type in-plane gate transistors from the same p-doped GaAs/In _{0.1} Ga _{0.9} As/Al _{0.33} Ga _{0.67} As heterostructure. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 21, 872-875.	1.3	5
574	Separately contacted edge states in the fractional quantum Hall regime. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 177-180.	1.3	3
575	High frequency conductance of a quantum point contact. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 272-275.	1.3	10
576	Fabrication of two-dimensional p-n junctions formed by compensation doping of p-modulation doped GaAs/In _y Ga _{1-y} As/Al _x Ga _{1-x} As heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2004, 22, 725-728.	1.3	4

#	ARTICLE	IF	CITATIONS
577	Control of fine-structure splitting and biexciton binding in $\text{In}_x\text{Ga}_{1-x}\text{As}$ quantum dots by annealing. <i>Physical Review B</i> , 2004, 69, .	1.1	201
578	Radiatively limited dephasing in InAs quantum dots. <i>Physical Review B</i> , 2004, 70, .	1.1	186
579	Band mixing and ambipolar transport by surface acoustic waves in GaAs quantum wells. <i>Physical Review B</i> , 2004, 69, .	1.1	31
580	Nanoimprint-induced effects on electrical and optical properties of quantum well structures. <i>Microelectronic Engineering</i> , 2003, 67-68, 214-220.	1.1	5
581	In-plane gate transistors in $\text{Al}_x\text{Ga}_{1-x}\text{N}/\text{GaN}$ heterostructures written by focused ion beams. <i>Superlattices and Microstructures</i> , 2003, 33, 381-388.	1.4	2
582	Aharonov-Bohm effect in nanoscale quantum rings fabricated from compensating-layer GaAs/AlGaAs heterostructures. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 284-285.	1.3	4
583	Fabrication of high quality two-dimensional electron gases by overgrowth of focused ion beam implantation doped $\text{Al}_x\text{Ga}_{1-x}\text{As}$. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2003, 17, 503-504.	1.3	2
584	Signatures of biexcitons and triexcitons in coherent non-degenerate semiconductor optics. <i>Physica Status Solidi (B): Basic Research</i> , 2003, 238, 537-540.	0.7	9
585	Electrical and optical characterization of InAs quantum dots grown on ion implanted GaAs(100). <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1109-1112.	0.8	2
586	Fano resonances in semiconductor quantum dots. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2003, 0, 1305-1308.	0.8	3
587	Hopping conductivity beyond the percolation regime probed by shot-noise measurements. <i>Physical Review B</i> , 2003, 68, .	1.1	11
588	Magnetization of a two-dimensional electron gas with a second filled subband. <i>Physical Review B</i> , 2003, 68, .	1.1	15
589	Mapping of strain and electric fields in GaAs/ $\text{Al}_x\text{Ga}_{1-x}\text{As}$ quantum-well samples by laser-assisted NMR. <i>Physical Review B</i> , 2003, 67, .	1.1	34
590	Fabrication of two-dimensional electron systems by focused ion beam doping of III/V semiconductor heterostructures. <i>Journal of Applied Physics</i> , 2003, 93, 6100-6106.	1.1	4
591	Fabrication of high-quality two-dimensional electron gases by overgrowth of focused-ion-beam-doped $\text{Al}_x\text{Ga}_{1-x}\text{As}$. <i>Applied Physics Letters</i> , 2003, 82, 481-483.	1.5	6
592	Resonant Rayleigh scattering dynamics of excitons in single quantum wells. <i>Physical Review B</i> , 2003, 68, .	1.1	17
593	Si accumulation at the surface upon re-evaporation of Si-doped GaAs(100). <i>Semiconductor Science and Technology</i> , 2003, 18, 115-117.	1.0	4
594	Ultrafast coherent spectroscopy of a single quantum dot. <i>Springer Series in Chemical Physics</i> , 2003, , 345-349.	0.2	0

#	ARTICLE	IF	CITATIONS
595	A multipurpose torsional magnetometer with optical detection. Applied Physics Letters, 2002, 81, 1041-1043.	1.5	21
596	Fabrication of quantum point contacts by engraving GaAs/AlGaAs heterostructures with a diamond tip. Applied Physics Letters, 2002, 81, 2023-2025.	1.5	24
597	Control of the confining potential in ballistic constrictions using a persistent charging effect. Applied Physics Letters, 2002, 81, 2779-2781.	1.5	18
598	Flux-quantum-modulated Kondo conductance in a multielectron quantum dot. Physical Review B, 2002, 66, .	1.1	22
599	Local two-dimensional electron gas formation in p-doped GaAs/InyGa1-yAs/AlxGa1-xAs heterostructures by focused Si-implantation doping. Semiconductor Science and Technology, 2002, 17, 585-589.	1.0	11
600	Influence of processing parameters on the transport properties of quantum point contacts fabricated with an atomic force microscope. Semiconductor Science and Technology, 2002, 17, 735-739.	1.0	23
601	Coherent Nonlinear Optical Response of Single Quantum Dots Studied by Ultrafast Near-Field Spectroscopy. Physical Review Letters, 2002, 89, 057401.	2.9	154
602	Ripple propagation and velocity dispersion on ion-beam-eroded silicon surfaces. Physical Review B, 2002, 65, .	1.1	110
603	Quantum wire fabrication from compensating-layer GaAs-AlGaAs heterostructures. Microelectronic Engineering, 2002, 61-62, 619-623.	1.1	3
604	Development of an Au-Dy-Si liquid alloy ion source for focussed ion beam implantation. Nuclear Instruments & Methods in Physics Research B, 2002, 195, 422-425.	0.6	12
605	Anomalous In-Plane Motion of Excitons in Single GaAs Quantum Wells. Physica Status Solidi A, 2002, 190, 641-645.	1.7	2
606	Growth of InAs quantum dots on focussed ion beam implanted GaAs(100). Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 230-233.	1.7	2
607	Electronic structure of InAs self-assembled quantum dots. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2002, 88, 238-242.	1.7	1
608	Phonon excitation of a two-dimensional electron system around $\nu=1$. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 474-477.	1.3	4
609	A novel photoconductive detector for single photon detection. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 12, 570-573.	1.3	1
610	Quantum dot micro-LEDs for the study of few-dot electroluminescence, fabricated by focussed ion beam. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 143-146.	1.3	12
611	Fabrication of two-dimensional in-plane gate transistors by focused ion beam doping. Physica E: Low-Dimensional Systems and Nanostructures, 2002, 13, 938-941.	1.3	6
612	Dy-Ni alloy metal ion source for focused ion beam implantation. Vacuum, 2002, 67, 249-251.	1.6	4

#	ARTICLE	IF	CITATIONS
613	Dynamic band-structure modulation of quantum wells by surface acoustic waves. Physical Review B, 2001, 63, .	1.1	57
614	Electrical Properties of Diamond Irradiated with Focussed Ion Beam. Journal of Wide Bandgap Materials, 2001, 9, 7-19.	0.1	6
615	Single-Electron Tunneling through Individual InAs Quantum Dots within a Saddle Point Potential. Physica Status Solidi (B): Basic Research, 2001, 224, 669-673.	0.7	3
616	Layer-compensated selectively doped Al _x Ga _{1-x} As/GaAs heterostructures as a base material for nanolithography. Semiconductor Science and Technology, 2001, 16, 603-607.	1.0	8
617	Transport and Lifetime Enhancement of Photoexcited Spins in GaAs by Surface Acoustic Waves. Physical Review Letters, 2001, 87, 276601.	2.9	76
618	Increased thermal budget for selectively doped heterostructures by employing AlAs/GaAs superlattices. Applied Physics Letters, 2001, 79, 377-379.	1.5	10
619	Exciton and spin transport by surface acoustic waves in GaAs quantum wells. Springer Proceedings in Physics, 2001, , 607-608.	0.1	0
620	Zero-bias conductance anomaly in GaAs/AlGaAs modulation doped field-effect transistors. Springer Proceedings in Physics, 2001, , 787-788.	0.1	0
621	From Localised to Ballistic Excitons in GaAs Quantum Wells. Acta Physica Polonica A, 2001, 100, 397-402.	0.2	0
622	24.3: In-plane Gate Transistors for AMLCD. Digest of Technical Papers SID International Symposium, 2000, 31, 360-363.	0.1	0
623	Topographie und elektrische Eigenschaften von InAs-Quantenpunkten. Materialwissenschaft Und Werkstofftechnik, 2000, 31, 837-844.	0.5	0
624	Dependence of the longitudinal resistance on edge potential and electron density in quantum Hall systems. Physica B: Condensed Matter, 2000, 284-288, 1726-1727.	1.3	1
625	Tunable backscattering in quantum Hall systems induced by neighbouring gates. Physica B: Condensed Matter, 2000, 284-288, 1728-1729.	1.3	0
626	A new peak in the bend resistance of a four-terminal device written by FIB implantation. Physica B: Condensed Matter, 2000, 284-288, 1906-1907.	1.3	2
627	In-plane and perpendicular tunneling through InAs quantum dots. Physica E: Low-Dimensional Systems and Nanostructures, 2000, 7, 425-429.	1.3	6
628	Fabrication of a quantum point contact by the dynamic plowing technique and wet-chemical etching. Ultramicroscopy, 2000, 82, 153-157.	0.8	22
629	Nanoscale devices fabricated by direct machining of GaAs with an atomic force microscope. Ultramicroscopy, 2000, 82, 159-163.	0.8	34
630	Increased mobility anisotropy in selectively doped Al _x Ga _{1-x} As/GaAs heterostructures with high electron densities. Journal of Applied Physics, 2000, 88, 321-325.	1.1	5

#	ARTICLE	IF	CITATIONS
631	Hot-Electron Effects in Two-Dimensional Hopping with a Large Localization Length. Physical Review Letters, 2000, 85, 1718-1721.	2.9	36
632	Electron transport through a single InAs quantum dot. Physical Review B, 2000, 62, 15879-15887.	1.1	30
633	A compact electron beam evaporator for carbon doping in solid source molecular beam epitaxy. Review of Scientific Instruments, 1999, 70, 3435-3438.	0.6	17
634	Ionization and displacement damage irradiation studies of quantum devices: resonant tunneling diodes and two-dimensional electron gas transistors. IEEE Transactions on Nuclear Science, 1999, 46, 1702-1707.	1.2	5
635	Photon-drag effect in a two-dimensional electron gas in high magnetic fields. Superlattices and Microstructures, 1999, 25, 143-148.	1.4	0
636	Depth profile of the implantation-enhanced intermixing of Ga+ focused ion beam in AlAs/GaAs quantum wells. Journal of Applied Physics, 1999, 86, 6605-6607.	1.1	10
637	Study of local heat dissipation in semiconductor devices by thermally modulated atomic force microscopy. , 1999, , .		0
638	Nanodevices produced with focussed ion beams. Nuclear Instruments & Methods in Physics Research B, 1998, 139, 12-19.	0.6	18
639	Focused ion beam written lateral field-effect transistors on standard silicon wafers. Microelectronic Engineering, 1998, 41-42, 253-256.	1.1	1
640	Direct writing of active loads by focused ion beams. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 2567.	1.6	21
641	Study of the hot spot of an in-plane gate transistor by scanning Joule expansion microscopy. Journal of Applied Physics, 1998, 84, 6917-6922.	1.1	15
642	Robustness of the Quantum Hall Effect, Sample Size Versus Sample Topology, and Quality Control Management of III-V Molecular Beam Epitaxy. International Journal of Modern Physics B, 1998, 12, 1147-1170.	1.0	4
643	Focused ion-beam implanted lateral field-effect transistors on bulk silicon. Journal of Applied Physics, 1997, 82, 4616-4620.	1.1	12
644	Intrinsic and extrinsic capacitances of in-plane-gated transistors. Journal of Applied Physics, 1996, 79, 8087-8090.	1.1	25
645	Quantum ballistic transport in in-plane-gate transistors showing onset of a novel ferromagnetic phase transition. Superlattices and Microstructures, 1996, 20, 615-622.	1.4	26
646	Lateral electron depletion in focused-ion-beam implanted pseudomorphic heterostructures with In _x Ga _{1-x} As channels. Solid-State Electronics, 1996, 40, 637-640.	0.8	0
647	In-plane-gate transistors on nonepitaxial silicon directly written by focused-ion-beam implantation. Applied Physics Letters, 1996, 68, 2538-2540.	1.5	11
648	Potential distribution in the van der Pauw technique. American Journal of Physics, 1995, 63, 1074-1078.	0.3	12

#	ARTICLE	IF	CITATIONS
649	In-plane-gate transistors fabricated from Si/SiGe heterostructures by focused ion beam implantation. Applied Physics Letters, 1995, 67, 1579-1581.	1.5	13
650	Asymmetrical source-drain characteristics in in-plane-gated transistors written by focused ion beam. Journal of Applied Physics, 1995, 77, 6710-6714.	1.1	0
651	Series resistance of in-plane-gated transistors and quantum point contacts. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1995, 13, 394.	1.6	3
652	Picosecond step-function response of in-plane gate transistor. Semiconductor Science and Technology, 1995, 10, 1156-1158.	1.0	0
653	Discretization of curved lines and arbitrary areas for ion and electron beam writing on a nonrectangular grid. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1994, 12, 14.	1.6	3
654	Quasi-one-dimensional ballistic electron transport in in-plane-gated channels at liquid nitrogen temperature. Solid-State Electronics, 1994, 37, 701-703.	0.8	4
655	Magnetotransport properties of hall-bar with focused-ion-beam written in-plane-gate. Physica B: Condensed Matter, 1993, 184, 192-196.	1.3	12
656	Velocity modulation in focused-ion-beam written in-plane-gate transistors. Applied Physics Letters, 1993, 63, 642-644.	1.5	7
657	Electrical Properties of GaAs Overgrown by Molecular Beam Epitaxy on Gallium Ion Implanted Substrates. Japanese Journal of Applied Physics, 1993, 32, L742-L744.	0.8	1
658	Focused-ion-beam defined and overgrown collector-cup AlGaAs/GaAs heterojunction bipolar transistors. Applied Physics Letters, 1993, 62, 513-515.	1.5	4
659	Deep level transient spectroscopy on focused ion beam written in-plane capacitances. Journal of Applied Physics, 1993, 74, 6088-6093.	1.1	0
660	Transport characteristics of a window-coupled in-plane-gated wire system. Physical Review B, 1993, 48, 7991-7998.	1.1	26
661	Parallel in-plane-gated wires coupled by a ballistic window. Physical Review B, 1992, 46, 4035-4040.	1.1	31
662	High transconductance in-plane-gated transistors. Applied Physics Letters, 1992, 61, 1048-1050.	1.5	39
663	Low-temperature transport characteristics of AlGaAs-GaAs in-plane-gated wires. Journal of Applied Physics, 1992, 72, 3022-3028.	1.1	24
664	Lateral spreading of focused ion-beam-induced damage. Journal of Applied Physics, 1992, 72, 1858-1863.	1.1	25
665	High frequency characteristics of in-plane-gate transistors. Applied Physics Letters, 1992, 61, 1324-1325.	1.5	20
666	Response to "Comment on "Proposal of novel electron wave coupled devices". Applied Physics Letters, 1991, 59, 375-375.	1.5	0

#	ARTICLE	IF	CITATIONS
667	Lateral tunneling in point contacts. <i>Physical Review B</i> , 1991, 44, 3424-3427.	1.1	23
668	Point-contact spectroscopy on tunable constrictions in GaAs. <i>Physical Review B</i> , 1991, 44, 6507-6510.	1.1	9
669	Observation of resonant photon drag in a two-dimensional electron gas. <i>Physical Review Letters</i> , 1990, 64, 463-466.	2.9	76
670	Proposal of novel electron wave coupled devices. <i>Applied Physics Letters</i> , 1990, 56, 2527-2529.	1.5	133
671	In-plane-gated quantum wire transistor fabricated with directly written focused ion beams. <i>Applied Physics Letters</i> , 1990, 56, 928-930.	1.5	186
672	One-dimensional lateral field-effect transistor with trench gate-channel insulation. <i>Applied Physics Letters</i> , 1990, 57, 2695-2697.	1.5	76
673	Tunable in-plane-gated (IPG) quantum wire structures fabricated with directly written focused ion beams. <i>Surface Science</i> , 1990, 229, 252-255.	0.8	21
674	Subband Landau-level coupling in GaAs/Ga _{1-x} Al _x As heterojunctions. <i>Physical Review B</i> , 1989, 39, 3785-3794.	1.1	44
675	Evidence for two electronic gaps in polycrystalline YBa ₂ Cu ₃ O ₇ -type compounds. <i>Solid State Communications</i> , 1989, 69, 553-557.	0.9	20
676	Far-infrared spectroscopy of electrons in coupled double quantum wells. <i>Superlattices and Microstructures</i> , 1989, 5, 279-282.	1.4	5
677	Superconducting contacts on YBa ₂ Cu ₃ O _{7-x} in magnetic fields. <i>Applied Physics Letters</i> , 1988, 53, 1216-1218.	1.5	18
678	Cyclotron masses of inversion electrons in tilted magnetic fields. <i>Surface Science</i> , 1988, 196, 273-278.	0.8	21
679	Vanishing contact resistance on polycrystalline YBa ₂ Cu ₃ O _{7-x} . <i>Applied Physics Letters</i> , 1988, 52, 1017-1019.	1.5	44
680	Combined intersubband-cyclotron resonances in a GaAs/Ga _{1-x} Al _x As heterojunction. <i>Physical Review B</i> , 1988, 38, 10158-10161.	1.1	19
681	Intersubband energies in GaAs-Ga _{1-x} Al _x As heterojunctions. <i>Physical Review B</i> , 1987, 35, 4145-4148.	1.1	46
682	Resonant interaction of optical phonons with two-dimensional electron and hole space-charge layers on silicon. <i>Physical Review B</i> , 1985, 31, 6865-6868.	1.1	6
683	Lifting of the Spin Degeneracy of Hole Subbands in a Surface Electric Field on Silicon. <i>Physical Review Letters</i> , 1984, 53, 493-496.	2.9	39
684	Parallel excitation of hole and electron intersubband resonances in space-charge layers on silicon. <i>Physical Review B</i> , 1984, 30, 4653-4663.	1.1	38

#	ARTICLE	IF	CITATIONS
685	Intersubband resonance of holes and interaction with 2D plasmons on Si. Surface Science, 1984, 142, 442-446.	0.8	5
686	Two-dimensional plasmons in hole space charge layers on silicon. Solid State Communications, 1983, 46, 269-271.	0.9	17
687	Creation of nanoelectronic devices by focussed ion beam implantation. , 0, , .		0
688	Laterally resolved doping by focused ion beam implantation. , 0, , .		0
689	Ultra-shallow All-Epitaxial Aluminum Gate GaAs/Al x Ga 1 x As Transistors with High Electron Mobility. Advanced Functional Materials, 0, , 2104213.	7.8	1
690	Detection of photogenerated single electrons in a lateral quantum dot with a surface plasmon antenna. Applied Physics Express, 0, , .	1.1	2