Andreas D Wieck

List of Publications by Citations

630 papers	11,722 citations	47 h-index	80 g-index
704 ext. papers	13,413 ext. citations	4.9 avg, IF	6.09 L-index

#	Paper	IF	Citations
630	Mode locking of electron spin coherences in singly charged quantum dots. *Science*, **2006**, 313, 341-5	33.3	349
629	Charge noise and spin noise in a semiconductor quantum device. *Nature Physics*, **2013**, 9, 570-575	16.2	239
628	Electrons surfing on a sound wave as a platform for quantum optics with flying electrons. *Nature*, **2011**, 477, 435-8	50.4	213
627	Nuclei-induced frequency focusing of electron spin coherence. *Science*, **2007**, 317, 1896-9	33.3	187
626	Ultrafast optical rotations of electron spins in quantum dots. *Nature Physics*, **2009**, 5, 262-266	16.2	183
625	Control of fine-structure splitting and biexciton binding in InxGa1⊠As quantum dots by annealing. *Physical Review B*, **2004**, 69,	3.3	180
624	Optical control of spin coherence in singly charged (In,Ga)As/GaAs quantum dots. *Physical Review Letters*, **2006**, 96, 227401	7.4	176
623	Optical control of excitons in a pair of quantum dots coupled by the dipole-dipole interaction. *Physical Review Letters*, **2005**, 94, 137404	7.4	173
622	In-plane-gated quantum wire transistor fabricated with directly written focused ion beams. *Applied Physics Letters*, **1990**, 56, 928-930	3.4	170
621	Quantum dot as thermal rectifier. *New Journal of Physics*, **2008**, 10, 083016	2.9	167
620	Radiatively limited dephasing in InAs quantum dots. *Physical Review B*, **2004**, 70,	3.3	167
619	Transform-limited single photons from a single quantum dot. *Nature Communications*, **2015**, 6, 8204	17.4	146
618	Coherent nonlinear optical response of single quantum dots studied by ultrafast near-field spectroscopy. *Physical Review Letters*, **2002**, 89, 057401	7.4	127
617	Exciton dephasing via phonon interactions in InAs quantum dots: Dependence on quantum confinement. *Physical Review B*, **2005**, 71,	3.3	123
616	Spin noise of electrons and holes in self-assembled quantum dots. *Physical Review Letters*, **2010**, 104, 036601	7.4	121
615	Proposal of novel electron wave coupled devices. *Applied Physics Letters*, **1990**, 56, 2527-2529	3.4	117
614	Coherent properties of single rare-earth spin qubits. *Nature Communications*, **2014**, 5, 3895	17.4	111

613	Optical Stark effect in a quantum dot: ultrafast control of single exciton polarizations. *Physical Review Letters*, **2004**, 92, 157401	7.4	111
612	Probing single-charge fluctuations at a GaAs/AlAs interface using laser spectroscopy on a nearby InGaAs quantum dot. *Physical Review Letters*, **2012**, 108, 107401	7.4	109
611	Ferromagnetism and colossal magnetic moment in Gd-focused ion-beam-implanted GaN. *Applied Physics Letters*, **2006**, 89, 062503	3.4	106
610	Ripple propagation and velocity dispersion on ion-beam-eroded silicon surfaces. *Physical Review B*, **2002**, 65,	3.3	103
609	Universal behavior of the electron g factor in GaAs□AlxGa1□xAs quantum wells. *Physical Review B*, **2007**, 75,	3.3	102
608	Nanoscale engineering and optical addressing of single spins in diamond. *Small*, **2010**, 6, 2117-21	11	82
607	Electrical control of a solid-state flying qubit. *Nature Nanotechnology*, **2012**, 7, 247-51	28.7	81
606	A gated quantum dot strongly coupled to an optical microcavity. *Nature*, **2019**, 575, 622-627	50.4	81
605	A dark-field microscope for background-free detection of resonance fluorescence from single semiconductor quantum dots operating in a set-and-forget mode. *Review of Scientific Instruments*, **2013**, 84, 073905	1.7	78
604	A bright and fast source of coherent single photons. *Nature Nanotechnology*, **2021**, 16, 399-403	28.7	76
603	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	7.4	75
602	Optical orientation of electron spins in GaAs quantum wells. *Physical Review B*, **2005**, 71,	3.3	73
601	Observation of resonant photon drag in a two-dimensional electron gas. *Physical Review Letters*, **1990**, 64, 463-466	7.4	69
600	Transport and lifetime enhancement of photoexcited spins in GaAs by surface acoustic waves. *Physical Review Letters*, **2001**, 87, 276601	7.4	68
599	Sequential and cotunneling behavior in the temperature-dependent thermopower of few-electron quantum dots. *Physical Review B*, **2007**, 75,	3.3	67
598	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	7.4	66
597	One-dimensional lateral-field-effect transistor with trench gate-channel insulation. *Applied Physics Letters*, **1990**, 57, 2695-2697	3.4	66
596	Indistinguishable and efficient single photons from a quantum dot in a planar nanobeam waveguide. *Physical Review B*, **2017**, 96,	3.3	65

595	Spin coherence of holes in GaAs/(Al,Ga)As quantum wells. *Physical Review Letters*, **2007**, 99, 187401	7.4	63
594	Optical spectroscopy of spin noise. *Physical Review Letters*, **2013**, 110, 176601	7.4	61
593	Confinement and interaction of single indirect excitons in a voltage-controlled trap formed inside double InGaAs quantum Wells. *Physical Review Letters*, **2013**, 110, 127403	7.4	59
592	Aharonov-Bohm oscillations in the presence of strong spin-orbit interactions. *Physical Review Letters*, **2007**, 99, 176803	7.4	58
591	Exciton fine structure in InGaAs□GaAs quantum dots revisited by pump-probe Faraday rotation. *Physical Review B*, **2007**, 75,	3.3	58
590	Odd and even Kondo effects from emergent localization in quantum point contacts. *Nature*, **2013**, 501, 79-83	50.4	56
589	Effect of annealing on the magnetic properties of Gd focused ion beam implanted GaN. *Applied Physics Letters*, **2007**, 91, 072514	3.4	56
588	Strong spin-orbit interactions and weak antilocalization in carbon-doped p-type GaAs□AlxGa1□xAs heterostructures. *Physical Review B*, **2008**, 77,	3.3	54
587	Coulomb-interaction-induced incomplete shell filling in the hole system of InAs quantum dots. *Physical Review Letters*, **2005**, 94, 026808	7.4	53
586	Fast spin information transfer between distant quantum dots using individual electrons. *Nature Nanotechnology*, **2016**, 11, 672-6	28.7	52
585	Spin-photon interface and spin-controlled photon switching in a nanobeam waveguide. *Nature Nanotechnology*, **2018**, 13, 398-403	28.7	49
584	Dynamic band-structure modulation of quantum wells by surface acoustic waves. *Physical Review B*, **2001**, 63,	3.3	49
583	Carrier relaxation dynamics in self-assembled semiconductor quantum dots. *Physical Review B*, **2009**, 80,	3.3	47
582	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, 753-8	3.6	46
581	Decoupling a hole spin qubit from the nuclear´spins. *Nature Materials*, **2016**, 15, 981-6	27	45
580	Intersubband energies in GaAs-Ga1-xAlxAs heterojunctions. *Physical Review B*, **1987**, 35, 4145-4148	3.3	45
579	A combinatorial passivation study of Ta□i alloys. *Corrosion Science*, **2009**, 51, 1519-1527	6.8	44
578	Ellipsoidal InAs quantum dots observed by cross-sectional scanning tunneling microscopy. *Applied Physics Letters*, **2009**, 94, 023107	3.4	44

577	Microelectrochemical lithography: A method for direct writing of surface oxides. *Electrochimica Acta*, **2007**, 52, 7865-7869	6.7	44
576	Auger Recombination in Self-Assembled Quantum Dots: Quenching and Broadening of the Charged Exciton Transition. *Nano Letters*, **2016**, 16, 3367-72	11.5	44
575	Quantum Manipulation of Two-Electron Spin States in Isolated Double Quantum Dots. *Physical Review Letters*, **2015**, 115, 096801	7.4	43
574	Influence of confinement on biexciton binding in semiconductor quantum dot ensembles measured with two-dimensional spectroscopy. *Physical Review B*, **2013**, 87,	3.3	43
573	Electrostatically trapping indirect excitons in coupled InxGa1⊠As quantum wells. *Physical Review B* , **2011**, 83,	3.3	43
572	Scalable integrated single-photon source. *Science Advances*, **2020**, 6,	14.3	42
571	A few-electron quadruple quantum dot in a closed loop. *Applied Physics Letters*, **2012**, 101, 103102	3.4	42
570	Room temperature electrical spin injection in remanence. *Applied Physics Letters*, **2008**, 93, 021117	3.4	42
569	Subband-Landau-level coupling in GaAs/Ga1-xAlxAs heterojunctions. *Physical Review B*, **1989**, 39, 3785-3794	3.3	41
568	Enhanced sequential carrier capture into individual quantum dots and quantum posts controlled by surface acoustic waves. *Nano Letters*, **2010**, 10, 3399-407	11.5	40
567	Structural, magnetic, and optical properties of Co- and Gd-implanted ZnO(0001) substrates. *Journal of Applied Physics*, **2008**, 104, 083904	2.5	40
566	Electrical detection of photoinduced spins both at room temperature and in remanence. *Applied Physics Letters*, **2008**, 92, 242102	3.4	40
565	Scaling of the low-temperature dephasing rate in Kondo systems. *Physical Review Letters*, **2006**, 97, 226804	7.4	40
564	Experimental imaging and atomistic modeling of electron and hole quasiparticle wave functions in InAs⊠GaAs quantum dots. *Physical Review B*, **2007**, 76,	3.3	40
563	Electron spin injection into GaAs from ferromagnetic contacts in remanence. *Applied Physics Letters* , **2005**, 87, 032502	3.4	40
562	Experimental investigation of the ratchet effect in a two-dimensional electron system with broken spatial inversion symmetry. *Physical Review B*, **2008**, 78,	3.3	39
561	Magnetocapacitance probing of the many-particle states in InAs dots. *Applied Physics Letters*, **2005**, 86, 092104	3.4	39
560	Quantum Dephasing in a Gated GaAs Triple Quantum Dot due to Nonergodic Noise. *Physical Review Letters*, **2016**, 116, 046802	7.4	38

559	Two-colour spin noise spectroscopy and fluctuation correlations reveal homogeneous linewidths within quantum-dot ensembles. *Nature Communications*, **2014**, 5, 4949	17.4	38
558	Focused ion beam implantation induced site-selective growth of InAs quantum dots. *Applied Physics Letters*, **2007**, 91, 123108	3.4	38
557	Parallel excitation of hole and electron intersubband resonances in space-charge layers on silicon. *Physical Review B*, **1984**, 30, 4653-4663	3.3	38
556	Comparison of technologies for nano device prototyping with a special focus on ion beams: A review. *Applied Physics Reviews*, **2017**, 4, 011302	17.3	37
555	Low temperature growth of gallium oxide thin films via plasma enhanced atomic layer deposition. *Dalton Transactions*, **2017**, 46, 16551-16561	4.3	37
554	Preparation of electron waveguide devices on GaAs/AlGaAs using negative-tone resist calixarene. *Semiconductor Science and Technology*, **2005**, 20, 814-818	1.8	37
553	Vanishing contact resistance on polycrystalline YBa2Cu3O7□. *Applied Physics Letters*, **1988**, 52, 1017-1019	3.4	37
552	Lifting of the Spin Degeneracy of Hole Subbands in a Surface Electric Field on Silicon. *Physical Review Letters*, **1984**, 53, 493-496	7.4	37
551	Coherent long-distance displacement of individual electron spins. *Nature Communications*, **2017**, 8, 501	17.4	36
550	Combinatorial electrochemistry on Al-Fe alloys. *Science and Technology of Advanced Materials*, **2008**, 9, 035009	7.1	36
549	Quantum Optics with Near-Lifetime-Limited Quantum-Dot Transitions in a Nanophotonic Waveguide. *Nano Letters*, **2018**, 18, 1801-1806	11.5	35
548	Fifth-order nonlinear optical response of excitonic states in an InAs quantum dot ensemble measured with two-dimensional spectroscopy. *Physical Review B*, **2013**, 87,	3.3	35
547	Electrical and optical properties of TiO2 thin films prepared by plasma-enhanced atomic layer deposition. *Physica Status Solidi (A) Applications and Materials Science*, **2014**, 211, 416-424	1.6	34
546	Long-term hole spin memory in the resonantly amplified spin coherence of InGaAs/GaAs quantum well electrons. *Physical Review Letters*, **2009**, 102, 167402	7.4	34
545	Coherent spin oscillations in bulk GaAs at room temperature. *Applied Physics Letters*, **2006**, 89, 231101	3.4	34
544	Robust Single-Shot Spin Measurement with 99.5% Fidelity in a Quantum Dot Array. *Physical Review Letters*, **2017**, 119, 017701	7.4	33
543	All-Optical Preparation of Coherent Dark States of a Single Rare Earth Ion Spin in a Crystal. *Physical Review Letters*, **2015**, 115, 093602	7.4	33
542	Combinatorial investigation of Hf□a thin films and their anodic oxides. *Electrochimica Acta*, **2010**, 55, 7884-7891	6.7	33

541	Magnetic and structural properties of Gd-implanted zinc-blende GaN. *Applied Physics Letters*, **2007**, 90, 262505	3.4	33
540	Enhancement of spin information with vertical cavity surface emitting lasers. *Electronics Letters*, **2006**, 42, 88	1.1	33
539	Hot-electron effects in two-dimensional hopping with a large localization length. *Physical Review Letters*, **2000**, 85, 1718-21	7.4	33
538	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	3.4	32
537	Fabrication of genuine single-quantum-dot light-emitting diodes. *Applied Physics Letters*, **2006**, 88, 121115	3.4	32
536	Single-hole transistor in p-type GaAs□AlGaAs heterostructures. *Applied Physics Letters*, **2005**, 87, 232108	3.4	32
535	Low-noise GaAs quantum dots for quantum photonics. *Nature Communications*, **2020**, 11, 4745	17.4	32
534	Transmission phase in the Kondo regime revealed in a two-path interferometer. *Physical Review Letters*, **2014**, 113, 126601	7.4	31
533	Experimental evidence of the ideal de Haas□van Alphen effect in a two-dimensional system. *Physical Review B*, **2006**, 73,	3.3	31
532	Depletion characteristics of two-dimensional lateral p-n-junctions. *Applied Physics Letters*, **2005**, 86, 162110	3.4	31
531	Nanoscale devices fabricated by direct machining of GaAs with an atomic force microscope. *Ultramicroscopy*, **2000**, 82, 159-63	3.1	31
530	High transconductance in-plane-gated transistors. *Applied Physics Letters*, **1992**, 61, 1048-1050	3.4	31
529	Fabrication and characterization of ambipolar devices on an undoped AlGaAs/GaAs heterostructure. *Applied Physics Letters*, **2012**, 100, 052101	3.4	30
528	Quantum coherence at low temperatures in mesoscopic systems: Effect of disorder. *Physical Review B*, **2010**, 81,	3.3	30
527	Dynamics of the nuclear spin polarization by optically oriented electrons in a (In,Ga)As/GaAs quantum dot ensemble. *Physical Review B*, **2009**, 80,	3.3	30
526	High-throughput synthesis and characterization of anodic oxides on Nb□i alloys. *Electrochimica Acta*, **2009**, 54, 5973-5980	6.7	30
525	Mapping of strain and electric fields in GaAs/AlxGa1□As quantum-well samples by laser-assisted NMR. *Physical Review B*, **2003**, 67,	3.3	30
524	Parallel in-plane-gated wires coupled by a ballistic window. *Physical Review B*, **1992**, 46, 4035-4040	3.3	30

523	Resistance of a single domain wall in (Co/Pt)7 multilayer nanowires. *Physical Review Letters*, **2006**, 97, 226805	7.4	29
522	Systematic study of carrier correlations in the electron-hole recombination dynamics of quantum dots. *Physical Review B*, **2007**, 76,	3.3	29
521	Robust manipulation of electron spin coherence in an ensemble of singly charged quantum dots. *Physical Review B*, **2007**, 75,	3.3	29
520	Electron transport through a single InAs quantum dot. *Physical Review B*, **2000**, 62, 15879-15887	3.3	29
519	Coherent electron-spin-resonance manipulation of three individual spins in a triple quantum dot. *Applied Physics Letters*, **2016**, 108, 153101	3.4	29
518	Collective single-mode precession of electron spins in an ensemble of singly charged (In,Ga)As/GaAs quantum dots. *Physical Review B*, **2009**, 79,	3.3	28
517	Electrically tunable hole g factor of an optically active quantum dot for fast spin rotations. *Physical Review B*, **2015**, 91,	3.3	27
516	Effect of pump-probe detuning on the Faraday rotation and ellipticity signals of mode-locked spins in (In,Ga)As/GaAs quantum dots. *Physical Review B*, **2010**, 82,	3.3	27
515	Band mixing and ambipolar transport by surface acoustic waves in GaAs quantum wells. *Physical Review B*, **2004**, 69,	3.3	27
514	Spin controlled optically pumped vertical cavity surface emitting laser. *Electronics Letters*, **2005**, 41, 251	1.1	27
513	Strong coupling of an Er3+-doped YAlO3 crystal to a superconducting resonator. *Physical Review B*, **2014**, 90,	3.3	26
512	MOCVD of ZnO Films from Bis(Ketoiminato)Zn(II) Precursors: Structure, Morphology and Optical Properties. *Chemical Vapor Deposition*, **2011**, 17, 155-161		26
511	Quantized magnetic confinement in quantum wires. *Physical Review Letters*, **2010**, 104, 186801	7.4	26
510	Two relaxation mechanisms observed in transport between spin-split edge states at high imbalance. *Physical Review B*, **2004**, 69,	3.3	26
509	Magnetotransport in C-doped AlGaAs heterostructures. *Applied Physics Letters*, **2004**, 85, 2277-2279	3.4	26
508	Transport characteristics of a window-coupled in-plane-gated wire system. *Physical Review B*, **1993**, 48, 7991-7998	3.3	26
507	Quantum non-demolition measurement of an electron spin qubit. *Nature Nanotechnology*, **2019**, 14, 555-560	38.9	25
506	Coherent and robust high-fidelity generation of a biexciton in a quantum dot by rapid adiabatic passage. *Physical Review B*, **2017**, 95,	3.3	25

505	Observation of orientation- andk-dependent Zeeman spin-splitting in hole quantum wires on (100)-oriented AlGaAs/GaAs heterostructures. *New Journal of Physics*, **2010**, 12, 033043	2.9	25
504	Nonlocal AharonovBohm conductance oscillations in an asymmetric quantum ring. *Applied Physics Letters*, **2009**, 94, 022107	3.4	25
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502	Nanomechanical single-photon routing. *Optica*, **2019**, 6, 524	8.6	25
501	Coherent Control of the Exciton-Biexciton System in an InAs Self-Assembled Quantum Dot Ensemble. *Physical Review Letters*, **2016**, 117, 157402	7.4	25
500	Interplay of Electron and Nuclear Spin Noise in n-Type GaAs. *Physical Review Letters*, **2015**, 115, 176601	7.4	24
499	Combined influence of Coulomb interaction and polarons on the carrier dynamics in InGaAs quantum dots. *Physical Review B*, **2013**, 88,	3.3	24
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496	Resistively detected nuclear magnetic resonance in n- and p-type GaAs quantum point contacts. *Nano Letters*, **2011**, 11, 3147-50	11.5	24
495	Inversion-asymmetry-induced spin splitting observed in the quantum oscillatory magnetization of a two-dimensional electron system. *Physical Review B*, **2009**, 79,	3.3	24
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493	Submicron periodic poling and chemical patterning of GaN. *Applied Physics Letters*, **2005**, 87, 062106	3.4	24
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491	Growth of graphene-like films for NO2 detection. *Sensors and Actuators B: Chemical*, **2013**, 182, 66-70	8.5	23
490	Frequency-Stabilized Source of Single Photons from a Solid-State Qubit. *Physical Review X*, **2013**, 3,	9.1	23
489	Transport spectroscopy of non-equilibrium many-particle spin states in self-assembled quantum dots. *Nature Communications*, **2011**, 2, 209	17.4	23
488	Observation of the Kondo effect in a spin-3/2 hole quantum dot. *Physical Review Letters*, **2011**, 107, 076805	7.4	23

487	Luminescence upconversion in GaAs quantum wells. *Physical Review B*, **2008**, 77,	3.3	23
486	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	1.5	23
485	Lateral spreading of focused ion-beam-induced damage. *Journal of Applied Physics*, **1992**, 72, 1858-1863	2.5	23
484	Role of the electron spin in determining the coherence of the nuclear spins in a quantum dot. *Nature Nanotechnology*, **2016**, 11, 885-889	28.7	23
483	Optical Detection of Single-Electron Tunneling into a Semiconductor Quantum Dot. *Physical Review Letters*, **2019**, 122, 247403	7.4	22
482	Sequential growth of zinc oxide nanorod arrays at room temperature via a corrosion process: application in visible light photocatalysis. *ACS Applied Materials & Interfaces*, **2014**, 6, 18728-34	9.5	22
481	Temperature dependence of hole spin coherence in (In,Ga)As quantum dots measured by mode-locking and echo techniques. *Physical Review B*, **2013**, 87,	3.3	22
480	Manipulation of the nuclear spin ensemble in a quantum dot with chirped magnetic resonance pulses. *Nature Nanotechnology*, **2014**, 9, 671-5	28.7	22
479	Many-body correlations of electrostatically trapped dipolar excitons. *Physical Review B*, **2013**, 87,	3.3	22
478	Correlation-induced single-flux-quantum penetration in quantum rings. *Nature Physics*, **2010**, 6, 173-177	16.2	22
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476	Spin accumulation and spin relaxation in a large open quantum dot. *Physical Review Letters*, **2008**, 101, 056602	7.4	22
475	GaN for x-ray detection. *Applied Physics Letters*, **2008**, 92, 263501	3.4	22
474	Spin injection light-emitting diode with vertically magnetized ferromagnetic metal contacts. *Journal of Applied Physics*, **2006**, 99, 073907	2.5	22
473	Flux-quantum-modulated Kondo conductance in a multielectron quantum dot. *Physical Review B*, **2002**, 66,	3.3	22
472	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	1.8	22
471	Quantum ballistic transport in in-plane-gate transistors showing onset of a novel ferromagnetic phase transition. *Superlattices and Microstructures*, **1996**, 20, 615-622	2.8	22
470	Lateral tunneling in point contacts. *Physical Review B*, **1991**, 44, 3424-3427	3.3	22

469	In situ and operando observation of surface oxides during oxygen evolution reaction on copper. *Electrochimica Acta*, **2017**, 236, 104-115	6.7	21
468	Correlation and dephasing effects on the non-radiative coherence between bright excitons in an InAs QD ensemble measured with 2D spectroscopy. *Solid State Communications*, **2013**, 163, 65-69	1.6	21
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462	A multipurpose torsional magnetometer with optical detection. *Applied Physics Letters*, **2002**, 81, 1041-1043	3.4	21
461	Intrinsic and extrinsic capacitances of in-plane-gated transistors. *Journal of Applied Physics*, **1996**, 79, 8087-8090	2.5	21
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455	Nondestructive real-time measurement of charge and spin dynamics of photoelectrons in a double quantum dot. *Physical Review Letters*, **2013**, 110, 266803	7.4	20
454	Hole spin precession in a (In,Ga)As quantum dot ensemble: From resonant spin amplification to spin mode locking. *Physical Review B*, **2012**, 86,	3.3	20
453	Control of the transmission phase in an asymmetric four-terminal Aharonov-Bohm interferometer. *Physical Review B*, **2010**, 82,	3.3	20
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451	Fabrication of quantum point contacts by engraving GaAs/AlGaAs heterostructures with a diamond tip. *Applied Physics Letters*, **2002**, 81, 2023-2025	3.4	20
450	Evidence for two electronic gaps in polycrystalline Y1Ba2Cu3O7-type compounds. *Solid State Communications*, **1989**, 69, 553-557	1.6	20
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446	Fabrication of a quantum point contact by the dynamic plowing technique and wet-chemical etching. *Ultramicroscopy*, **2000**, 82, 153-7	3.1	19
445	New amidinate complexes of indium(iii): promising CVD precursors for transparent and conductive InO thin films. *Dalton Transactions*, **2017**, 46, 10220-10231	4.3	18
444	Single-electron Spin Resonance in a Quadruple Quantum Dot. *Scientific Reports*, **2016**, 6, 31820	4.9	18
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442	Angular momentum transfer from photon polarization to an electron spin in a gate-defined quantum dot. *Nature Communications*, **2019**, 10, 2991	17.4	18
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