

# Mark S Sherwin

## List of Publications by Year in descending order

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177  
papers

6,710  
citations

94269

37  
h-index

64668

79  
g-index

179  
all docs

179  
docs citations

179  
times ranked

5600  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantum Information Processing Using Quantum Dot Spins and Cavity QED. <i>Physical Review Letters</i> , 1999, 83, 4204-4207.	2.9	1,777
2	Experimental observation of electron-hole recollisions. <i>Nature</i> , 2012, 483, 580-583.	13.7	244
3	Coherent manipulation of semiconductor quantum bits with terahertz radiation. <i>Nature</i> , 2001, 410, 60-63.	13.7	236
4	Lightwave-driven quasiparticle collisions on a subcycle timescale. <i>Nature</i> , 2016, 533, 225-229.	13.7	216
5	Quenching Spin Decoherence in Diamond through Spin Bath Polarization. <i>Physical Review Letters</i> , 2008, 101, 047601.	2.9	207
6	Spin current from sub-terahertz-generated antiferromagnetic magnons. <i>Nature</i> , 2020, 578, 70-74.	13.7	205
7	Terahertz Dynamics of Excitons in GaAs/AlGaAs Quantum Wells. <i>Physical Review Letters</i> , 1996, 77, 1131-1134.	2.9	167
8	Resonant Terahertz Optical Sideband Generation from Confined Magnetoexcitons. <i>Physical Review Letters</i> , 1997, 79, 1758-1761.	2.9	144
9	Field-tunable quantum disordered ground state in the triangular-lattice antiferromagnet NaYbO <sub>2</sub> . <i>Nature Physics</i> , 2019, 15, 1058-1064.	6.5	138
10	Quantum computation with quantum dots and terahertz cavity quantum electrodynamics. <i>Physical Review A</i> , 1999, 60, 3508-3514.	1.0	131
11	Pulsed electron paramagnetic resonance spectroscopy powered by a free-electron laser. <i>Nature</i> , 2012, 489, 409-413.	13.7	125
12	Quantum Coherence in an Optical Modulator. <i>Science</i> , 2005, 310, 651-653.	6.0	118
13	Resonant-energy relaxation of terahertz-driven two-dimensional electron gases. <i>Physical Review B</i> , 1995, 51, 18041-18044.	1.1	101
14	Resonant harmonic generation and dynamic screening in a double quantum well. <i>Physical Review Letters</i> , 1994, 72, 2183-2186.	2.9	95
15	High-precision gigahertz-to-terahertz spectroscopy of aqueous salt solutions as a probe of the femtosecond-to-picosecond dynamics of liquid water. <i>Journal of Chemical Physics</i> , 2015, 142, 164502.	1.2	94
16	Coherent Manipulation and Decoherence of S=10 Single-Molecule Magnets. <i>Physical Review Letters</i> , 2009, 102, 087603.	2.9	88
17	Undressing a Collective Intersubband Excitation in a Quantum Well. <i>Physical Review Letters</i> , 1996, 76, 2382-2385.	2.9	81
18	Temperature and Intensity Dependence of Intersubband Relaxation Rates from Photovoltage and Absorption. <i>Physical Review Letters</i> , 1995, 74, 2682-2685.	2.9	79

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19	High-Q terahertz microcavities in silicon photonic crystal slabs. Applied Physics Letters, 2009, 94, .	1.5	79
20	An improved model for non-resonant terahertz detection in field-effect transistors. Journal of Applied Physics, 2012, 111, .	1.1	78
21	Terahertz power. Nature, 2002, 420, 131-133.	13.7	76
22	Growth, Structural, and Optical Properties of Self-Assembled (In,Ga)As Quantum Posts on GaAs. Nano Letters, 2007, 7, 802-806.	4.5	72
23	Determining the Oligomeric Structure of Proteorhodopsin by Gd <sup>3+</sup> -Based Pulsed Dipolar Spectroscopy of Multiple Distances. Structure, 2014, 22, 1677-1686.	1.6	72
24	Two-dimensional terahertz photonic crystals fabricated by deep reactive ion etching in Si. Applied Physics Letters, 2003, 83, 21-23.	1.5	69
25	Complete charge density-wave mode locking and freeze-out of fluctuations in NbSe <sub>3</sub> . Physical Review B, 1985, 32, 5536-5539.	1.1	67
26	Energy gap in the high-Tc superconductor La <sub>1.85</sub> Sr <sub>0.15</sub> CuO <sub>4</sub> . Physical Review B, 1987, 35, 5327-5329.	1.1	67
27	Near-infrared sideband generation induced by intense far-infrared radiation in GaAs quantum wells. Applied Physics Letters, 1997, 70, 3543-3545.	1.5	61
28	Temperature of quasi-two-dimensional electron gases under steady-state terahertz drive. Applied Physics Letters, 1996, 68, 829-831.	1.5	57
29	Generation of first-order terahertz optical sidebands in asymmetric coupled quantum wells. Applied Physics Letters, 1999, 75, 2728-2730.	1.5	57
30	c-axis stress dependence of normal and superconducting state properties of YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> . Physical Review B, 1989, 39, 4231-4234.	1.1	52
31	High-performance fiber-laser-based terahertz spectrometer. Optics Letters, 2010, 35, 3799.	1.7	49
32	Enhanced performance of resonant sub-terahertz detection in a plasmonic cavity. Applied Physics Letters, 2012, 100, .	1.5	48
33	Trigonal Bipyramidal V <sup>3+</sup> Complex as an Optically Addressable Molecular Qubit Candidate. Journal of the American Chemical Society, 2020, 142, 20400-20408.	6.6	46
34	Temperature-dependent far-infrared reflectance of La-Sr-Cu-O and La-Ca-Cu-O: Bardeen-Cooper-Schrieffer electrodynamics but uncertain energy gap. Physical Review B, 1988, 37, 1587-1593.	1.1	42
35	Quantitative analysis of zero-field splitting parameter distributions in Gd(III) complexes. Physical Chemistry Chemical Physics, 2018, 20, 10470-10492.	1.3	42
36	Time-resolved photoresponse of a gallium-doped germanium photoconductor using a variable pulse-width terahertz source. Applied Physics Letters, 2000, 76, 262-264.	1.5	40

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37	Chaotic response of NbSe <sub>3</sub> : Evidence for a new charge-density-wave phase. <i>Physical Review B</i> , 1984, 29, 7076-7078.	1.1	39
38	Dissipation of Intersubband Plasmons in Wide Quantum Wells. <i>Physical Review Letters</i> , 2001, 87, 037401.	2.9	38
39	Far-infrared pump-probe measurements of the intersubband lifetime in an AlGaAs/GaAs coupled quantum well. <i>Applied Physics Letters</i> , 1996, 68, 3019-3021.	1.5	37
40	Terahertz electro-optic wavelength conversion in GaAs quantum wells: Improved efficiency and room-temperature operation. <i>Applied Physics Letters</i> , 2004, 84, 840-842.	1.5	37
41	Dynamical Birefringence: Electron-Hole Recollisions as Probes of Berry Curvature. <i>Physical Review X</i> , 2017, 7, .	2.8	36
42	Unified model of switching and nonswitching charge-density-wave dynamics. <i>Physical Review Letters</i> , 1992, 68, 2968-2971.	2.9	35
43	Extending the distance range accessed with continuous wave EPR with Gd <sup>3+</sup> spin probes at high magnetic fields. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 11313.	1.3	35
44	Elastic Properties of Charge-Density-Wave Conductors: ac-dc Electric Field Coupling. <i>Physical Review Letters</i> , 1986, 56, 1952-1955.	2.9	34
45	Voltage-controlled wavelength conversion by terahertz electro-optic modulation in double quantum wells. <i>Applied Physics Letters</i> , 2002, 81, 1564-1566.	1.5	33
46	Negative Differential Resistance and Instability in NbSe <sub>3</sub> . <i>Physical Review Letters</i> , 1984, 52, 2293-2296.	2.9	31
47	Far-infrared saturation spectroscopy of a single square well. <i>Semiconductor Science and Technology</i> , 1994, 9, 627-629.	1.0	31
48	Nonlinear dynamics in far-infrared driven quantum-well intersubband transitions. <i>Physical Review B</i> , 2002, 66, .	1.1	31
49	Nonlinear quantum dynamics in semiconductor quantum wells. <i>Physica D: Nonlinear Phenomena</i> , 1995, 83, 229-242.	1.3	30
50	Quenching of excitonic quantum-well photoluminescence by intense far-infrared radiation: Free-carrier heating. <i>Physical Review B</i> , 1995, 51, 5253-5262.	1.1	29
51	Terahertz Detection by a Homodyne Field Effect Transistor Multiplicative Mixer. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012, 2, 278-283.	2.0	28
52	Far-infrared second-harmonic generation in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As heterostructures: Perturbative and nonperturbative response. <i>Physical Review B</i> , 1993, 48, 2376-2390.	1.1	27
53	Room temperature terahertz detection based on bulk plasmons in antenna-coupled GaAs field effect transistors. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	27
54	Effect of water/glycerol polymorphism on dynamic nuclear polarization. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 9897-9903.	1.3	26

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55	Saturation of THz-frequency intraband absorption in InAs/GaAs quantum dot molecules. Applied Physics Letters, 2000, 77, 510-512.	1.5	25
56	High-order sideband generation in bulk GaAs. Applied Physics Letters, 2013, 102, 012104.	1.5	24
57	Theory of low-power ultra-broadband terahertz sideband generation in bi-layer graphene. Nature Communications, 2014, 5, 4854.	5.8	24
58	Gd <sup>3+</sup> distances exceeding 3 nm determined by very high frequency continuous wave electron paramagnetic resonance. Physical Chemistry Chemical Physics, 2017, 19, 5127-5136.	1.3	23
59	Chaotic ac Conductivity in the Charge-Density-Wave State of (TaSe <sub>4</sub> ) <sub>2</sub> I. Physical Review Letters, 1984, 53, 1387-1390.	2.9	22
60	Nonperturbative resonances in periodically driven quantum wells. Physical Review B, 1993, 47, 6795-6798.	1.1	22
61	A concept for a tunable antenna-coupled intersubband terahertz (TACIT) detector. Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 463-467.	1.3	21
62	Switching and charge-density-wave transport in NbSe <sub>3</sub> . III. Dynamical instabilities. Physical Review B, 1988, 38, 13028-13046.	1.1	19
63	Wavelength-specific laser-activated switches for improved contrast ratio in generation of short THz pulses. Review of Scientific Instruments, 2004, 75, 2921-2925.	0.6	19
64	Cavity dumping of an injection-locked free-electron laser. Applied Physics Letters, 2009, 95, .	1.5	19
65	Collective-mode ac conduction in the blue bronze K <sub>0.3</sub> MoO <sub>3</sub> . Solid State Communications, 1985, 54, 683-687.	0.9	18
66	Strong-field terahertz optical mixing in excitons. Physical Review B, 2003, 67, .	1.1	18
67	Terahertz Electron-Hole Recollisions in GaAs/AlGaAs Quantum Wells: Robustness to Scattering by Optical Phonons and Thermal Fluctuations. Physical Review Letters, 2013, 111, 267402.	2.0	18
68	Self-Assembled ErSb Nanostructures with Optical Applications in Infrared and Terahertz. Nano Letters, 2014, 14, 1107-1112.	4.5	18
69	THz-driven quantum wells: Coulomb interactions and Stark shifts in the ultrastrong coupling regime. New Journal of Physics, 2011, 13, 083009.	1.2	17
70	Detection of nanosecond-scale, high power THz pulses with a field effect transistor. Review of Scientific Instruments, 2012, 83, 053101.	0.6	17
71	Generation of picosecond far-infrared pulses using laser-activated semiconductor reflection switches. Proceedings of SPIE, 1996, 2842, 90.	0.8	16
72	Terahertz optical mixing in biased GaAs quantum wells. Physical Review B, 2004, 70, .	1.1	16

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73	Complete excitation spectrum for a charge-density-wave system. <i>Physical Review B</i> , 1987, 36, 6708-6711.	1.1	15
74	Conduction delays in switching NbSe <sub>3</sub> : Sensitive dependence on the initial configuration. <i>Physical Review B</i> , 1991, 43, 8391-8394.	1.1	15
75	Photoluminescence from Al <sub>x</sub> Ga <sub>1-x</sub> As/GaAs quantum wells quenched by intense far-infrared radiation. <i>Physical Review B</i> , 1992, 45, 9428-9431.	1.1	15
76	Terahertz-frequency electronic coupling in vertically coupled quantum dots. <i>Applied Physics Letters</i> , 2000, 77, 4356-4358.	1.5	15
77	Growth and optical properties of self-assembled InGaAs quantum posts. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1785-1789.	1.3	15
78	Distance measurements across randomly distributed nitroxide probes from the temperature dependence of the electron spin phase memory time at 240GHz. <i>Journal of Magnetic Resonance</i> , 2012, 223, 198-206.	1.2	15
79	Reconstruction of Bloch wavefunctions of holes in a semiconductor. <i>Nature</i> , 2021, 599, 57-61.	13.7	15
80	Optically detected measurement of the ground-state population of an ensemble of neutral donors in GaAs. <i>Physical Review B</i> , 2005, 72, .	1.1	14
81	Submegahertz linewidth at 240GHz from an injection-locked free-electron laser. <i>Applied Physics Letters</i> , 2007, 91, .	1.5	14
82	Coherent control of a THz intersubband polarization in a voltage controlled single quantum well. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	13
83	Self-consistent Floquet states for periodically driven quantum wells. <i>Physical Review B</i> , 1994, 49, 13744-13749.	1.1	12
84	Measurements of far-infrared intersubband absorption linewidths in GaAs/AlGaAs quantum wells as a function of temperature and charge density. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 1998, 2, 177-180.	1.3	12
85	Terahertz-optical mixing in undoped and doped GaAs quantum wells: From excitonic to electronic intersubband transitions. <i>Physical Review B</i> , 2005, 72, .	1.1	12
86	Poincaré sections of charge-density-wave dynamics: Mode locking. <i>Physical Review Letters</i> , 1991, 67, 2846-2849.	2.9	11
87	Time-domain study of low-dimensional chaos in the switching charge-density-wave conductor NbSe <sub>3</sub> . <i>Physical Review Letters</i> , 1993, 70, 2597-2600.	2.9	11
88	Subharmonic generation in a driven asymmetric quantum well. <i>Physical Review B</i> , 2000, 61, 15108-15113.	1.1	11
89	Giant third-order nonlinear susceptibilities for in-plane far-infrared excitation of single InAs quantum wells. <i>Solid-State Electronics</i> , 1994, 37, 1243-1245.	0.8	10
90	Terahertz dynamics in confined magnetoexcitons. <i>Physica B: Condensed Matter</i> , 1998, 249-251, 527-533.	1.3	10

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91	Transmission of single mode ultrathin terahertz photonic crystal slabs. Applied Physics Letters, 2007, 91, .	1.5	10
92	Ultrafast carrier capture in InGaAs quantum posts. Applied Physics Letters, 2009, 95, .	1.5	10
93	Phase cycling with a 240 GHz, free electron laser-powered electron paramagnetic resonance spectrometer. Physical Chemistry Chemical Physics, 2013, 15, 5707.	1.3	10
94	Narrow-Band Water-Based Absorber With High Return Loss for Terahertz Spectroscopy. IEEE Transactions on Terahertz Science and Technology, 2015, 5, 961-966.	2.0	10
95	Materials science in the far-IR with electrostatic based FELs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 358, 536-539.	0.7	9
96	Verification of polarization selection rules and implementation of selective coherent manipulations of hydrogenic transitions in GaAs. Physical Review B, 2005, 71, .	1.1	9
97	Magnetic properties and signatures of moment ordering in the triangular lattice antiferromagnet $\text{KCeO}_2$ . Physical Review B, 2021, 104, .	1.1	9
98	Nonlinear multiphoton resonances in quantum wells. Physics Letters, Section A: General, Atomic and Solid State Physics, 1995, 203, 319-332.	0.9	8
99	Pulsed EPR spectrometer with injection-locked UCSB free-electron laser. Infrared Physics and Technology, 2008, 51, 426-428.	1.3	8
100	Patterned femtosecond laser excitation of terahertz leaky modes in GaAs photonic crystals. Applied Physics Letters, 2006, 89, 241112.	1.5	7
101	Model of charge density wave elasticity. Physica D: Nonlinear Phenomena, 1986, 23, 62-67.	1.3	6
102	A novel switching phenomenon in quenched NbSe <sub>3</sub> . Solid State Communications, 1989, 70, 859-862.	0.9	6
103	Controllable charge storage in quantum dots with independent tuning of electric fields. Applied Physics Letters, 2005, 87, 162101.	1.5	6
104	Multi-step phase-cycling in a free-electron laser-powered pulsed electron paramagnetic resonance spectrometer. Physical Chemistry Chemical Physics, 2018, 20, 18097-18109.	1.3	6
105	Demonstration of a tunable antenna-coupled intersubband terahertz (TACIT) mixer. Applied Physics Letters, 2020, 116, .	1.5	6
106	Far-infrared capture of electrons by DX centers. Applied Physics Letters, 1992, 60, 1972-1974.	1.5	5
107	Subcubic power dependence of third-harmonic generation for in-plane, far-infrared excitation of InAs quantum wells. Semiconductor Science and Technology, 1994, 9, 634-637.	1.0	5
108	Probing terahertz dynamics in semiconductor nanostructures with the UCSB free-electron lasers. Journal of Luminescence, 1994, 60-61, 250-255.	1.5	5

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109	Intersubband scattering of cold electrons in a coupled quantum well with subband spacing below $\hbar\omega_{LO}$ . Physica E: Low-Dimensional Systems and Nanostructures, 1998, 2, 195-199.	1.3	5
110	Odd terahertz optical sidebands from asymmetric excitonic intersubband excitation. Physica B: Condensed Matter, 1999, 272, 438-441.	1.3	5
111	Broadband THz detection and homodyne mixing using GaAs high-electron-mobility transistor rectifiers. Proceedings of SPIE, 2013, , .	0.8	5
112	Optical frequency combs from high-order sideband generation. Optics Express, 2018, 26, 29807.	1.7	5
113	Intersubband dynamics of asymmetric quantum wells studied by THz 'optical rectification'. Semiconductor Science and Technology, 1996, 11, 1591-1595.	1.0	4
114	<title>Quantum well-based tunable antenna-coupled intersubband terahertz (TACIT) detectors at 1.8-2.4 THz</title>. , 1999, 3617, 58.		4
115	Terahertz Ionization of Highly Charged Quantum Posts in a Perforated Electron Gas. Nano Letters, 2012, 12, 1115-1120.	4.5	4
116	Nonlinear dynamics of a breakable chain at threshold. Physical Review A, 1992, 45, 3467-3470.	1.0	3
117	Low-dimensional chaos and high-dimensional behavior in the switching charge-density-wave conductor NbSe <sub>3</sub> . Physical Review B, 1993, 48, 7857-7865.	1.1	3
118	Optical rectification as a probe of quantum dynamics in a heterostructure. Superlattices and Microstructures, 1995, 17, 159-162.	1.4	3
119	Photothermal transitions of magnetoexcitons in GaAs/Al <sub>x</sub> Ga <sub>1-x</sub> As quantum wells. Physical Review B, 2002, 66, .	1.1	3
120	Dressed Rabi Oscillation in a Crystalline Organic Radical. Physical Review Letters, 2020, 124, 047201.	2.9	3
121	Effect of random noise on a mode-locked system. Physical Review B, 1991, 43, 13699-13702.	1.1	2
122	Impulse response of the switching charge-density-wave conductor NbSe <sub>3</sub> . Physical Review B, 1993, 48, 12223-12234.	1.1	2
123	Photoluminescence as a probe of the interaction of intense far-infrared radiation with semiconductor quantum structures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 341, 174-177.	0.7	2
124	Terahertz optics of semiconductor nanostructures near and far from equilibrium. Current Opinion in Solid State and Materials Science, 1998, 3, 191-197.	5.6	2
125	<title>Characterization of photoconducting materials using variable-length picosecond terahertz pulses</title>. , 1999, , .		2
126	<title>Terahertz harmonic generation from Bloch-oscillating superlattices in quasi-optical arrays</title>. , 1999, , .		2



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127	Linewidth and dephasing of THz-frequency collective intersubband transitions in a GaAs/AlGaAs quantum well. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 7, 204-207.	1.3	2
128	Hot Excitons in Quantum Wells, Wires, and Dots. , 1996, , 305-308.		2
129	Comment on "Chaotic ac conductivity in the charge-density-wave state of (TaSe <sub>4</sub> ) <sub>2</sub> I. <i>Physical Review Letters</i> , 1985, 55, 3007-3007.	2.9	1
130	Dynamics of charge density wave conductors: Broken coherence, chaos, and noisy precursors. <i>Physica B: Physics of Condensed Matter &amp; C: Atomic, Molecular and Plasma Physics, Optics</i> , 1986, 143, 69-72.	0.9	1
131	Probing terahertz electron dynamics in semiconductor nanostructures with the UC Santa Barbara FELs. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 341, 169-173.	0.7	1
132	Impulse response of switching NbSe <sub>3</sub> . <i>Solid State Communications</i> , 1994, 89, 175-179.	0.9	1
133	Nonlinear resonant optical rectification in a coupled quantum well. <i>Surface Science</i> , 1996, 361-362, 401-405.	0.8	1
134	Resonant generation of terahertz optical sidebands from confined magnetoexcitons. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 1998, 144, 115-122.	0.6	1
135	<title>Coherent terahertz mixing spectroscopy of asymmetric quantum well intersubband transitions</title>. , 1999, , .		1
136	First-order coherent THz optical sideband generation from asymmetric QW intersubband transitions. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2000, 7, 187-190.	1.3	1
137	Terahertz-Frequency Intraband Absorption in Semiconductor Quantum Dot Molecules. <i>Physica Status Solidi (B): Basic Research</i> , 2001, 224, 443-446.	0.7	1
138	A diffraction-compensating "25ns free space terahertz delay line for coherent quantum control. <i>Review of Scientific Instruments</i> , 2007, 78, 113103.	0.6	1
139	Single shot high resolution THz upconversion spectrometer. , 2008, , .		1
140	Antenna-boosted mixing of terahertz and near-infrared radiation. <i>Applied Physics Letters</i> , 2014, 105, 092102.	1.5	1
141	Optical Response of Semiconductor Nanostructures in Terahertz Fields Generated by Electrostatic Free-Electron Lasers. <i>Optical Science and Engineering</i> , 2007, , 205-268.	0.1	1
142	Sherwin, Hall, and Zettl respond. <i>Physical Review Letters</i> , 1985, 55, 3008-3008.	2.9	0
143	Chaotic Response of Driven Charge Density Wave Systems. <i>Molecular Crystals and Liquid Crystals</i> , 1985, 121, 49-53.	0.9	0
144	Terahertz Linear and Nonlinear Dynamics in Confined Magnetoexcitons. <i>Physica Status Solidi A</i> , 1997, 164, 567-570.	1.7	0

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145	<title>Subharmonic generation in a driven asymmetric quantum well</title>. , 1999, , .		0
146	<title>Terahertz excitation, transport, and spectroscopy of an AFM-defined quantum dot</title>. , 1999, 3617, 133.		0
147	<title>Linewidth of THz intersubband transitions in GaAs/AlGaAs quantum wells</title>. , 1999, , .		0
148	<title>Open confocal resonators with quasi-optical arrays to measure THz dynamics of quantum tunneling devices</title>. , 1999, , .		0
149	Nonperturbative terahertz nonlinear optics of excitons. , 0, , .		0
150	Patterned femtosecond laser excitation of terahertz radiation in GaAs photonic crystals. , 2006, , .		0
151	Lifetime measurements of excited neutral donor states in GaAs detected by resonant elastic light scattering. , 2006, , .		0
152	Optical Properties of Quantum Dots and Quantum Posts. Conference Proceedings - Lasers and Electro-Optics Society Annual Meeting-LEOS, 2007, , .	0.0	0
153	Room temperature terahertz detection based on plasma resonance of electrons in an Antenna-Coupled GaAs MESFET. , 2008, , .		0
154	High fidelity optical readout of excited-state lifetimes and ionization of hydrogenic donors in GaAs. Applied Physics Letters, 2008, 93, 181903.	1.5	0
155	Optical detection of THz-induced strong field effects in ensembles of neutral donors. , 2008, , .		0
156	Asymmetric Autler-Townes Effect in THz-Driven Quantum Wells: Beyond the Three State and Rotating Wave Approximations. , 2010, , .		0
157	Terahertz detection with field-effect-transistors via bulk plasmon-assisted self-mixing. Proceedings of SPIE, 2010, , .	0.8	0
158	Ultrafast carrier capture and THz resonances in InGaAs quantum posts. Proceedings of SPIE, 2011, , .	0.8	0
159	Multiplicative Mixing and Detection of THz Signals with a Field Effect Transistor. , 2012, , .		0
160	Near infrared frequency dependence of high-order sideband generation. , 2013, , .		0
161	Tunable antenna coupled intersubband terahertz detector. , 2014, , .		0
162	Colliding Quasiparticles with Intense Terahertz Fields. , 2014, , .		0

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163	THz Spectroscopy of Self-Assembled ErSb Nanowires. , 2014, , .		0
164	High-order Sideband Generation: Effect of Optical Polarization. , 2016, , .		0
165	Dynamical Birefringence: High-order Sideband Generation as a Probe of Berry Curvature. , 2017, , .		0
166	Demonstration of a Frequency-Agile Quantum Well Based THz Heterodyne Detector. , 2019, , .		0
167	Measuring Luttinger Parameters Directly from Quasiparticle Dynamics. , 2021, , .		0
168	Reversible Quantum Dynamics of Impurity-Bound Electrons in GaAs. Springer Proceedings in Physics, 2001, , 174-177.	0.1	0
169	Onset of dynamical localization in a semiconductor superlattice. , 2004, , .		0
170	Polarization selective coherent manipulation of orbital quantum states in GaAs. , 2004, , .		0
171	Terahertz-optical mixing in n-doped GaAs quantum wells: suppression of excitonic resonances. , 2004, , .		0
172	Room temperature terahertz detection based on electron plasma resonance in an Antenna-Coupled GaAs MESFET. , 2008, , .		0
173	Carrier Capture Studies in InGaAs Quantum Posts. , 2010, , .		0
174	High-Order Sideband Generation in Quantum Wells Driven by Intense THz Radiation: Electron-Hole Recollisions. , 2012, , .		0
175	High-Order Sideband Generation in Semiconductors: Beyond the Three Step Model. , 2016, , .		0
176	Bandwidth Control of Near Infrared Frequency Combs in High-Order Sideband Generation. , 2017, , .		0
177	Reconstructing Bloch Wavefunctions in GaAs through High-Order Sideband Polarimetry. , 2020, , .		0