

Harvey Beere

List of Publications by Year in descending order

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197
papers

10,704
citations

34016

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all docs

197
docs citations

197
times ranked

6602
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial coherence of electrically pumped random terahertz lasers. <i>Photonics Research</i> , 2022, 10, 524.	3.4	3
2	Effects of biased and unbiased illuminations on two-dimensional electron gases in dopant-free GaAs/AlGaAs. <i>Physical Review B</i> , 2022, 105, .	1.1	2
3	An in-plane photoelectric effect in two-dimensional electron systems for terahertz detection. <i>Science Advances</i> , 2022, 8, eabi8398.	4.7	16
4	All dielectric metasurfaces for spin-dependent terahertz wavefront control. <i>Photonics Research</i> , 2022, 10, 1695.	3.4	4
5	Self-mixing interferometry and near-field nanoscopy in quantum cascade random lasers at terahertz frequencies. <i>Nanophotonics</i> , 2021, 10, 1495-1503.	2.9	14
6	Ballistic Hall Photovoltammetry of Magnetic Resonance in Individual Nanomagnets. <i>Physical Review Letters</i> , 2021, 126, 207701.	2.9	1
7	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. <i>Optics Express</i> , 2021, 29, 33602.	1.7	0
8	Single-electron pump with highly controllable plateaus. <i>Applied Physics Letters</i> , 2021, 119, .	1.5	2
9	Superconductivity in AuNiGe Ohmic contacts to a GaAs-based high mobility two-dimensional electron gas. <i>Applied Physics Letters</i> , 2020, 117, 162104.	1.5	3
10	High-Throughput Electrical Characterization of Nanomaterials from Room to Cryogenic Temperatures. <i>ACS Nano</i> , 2020, 14, 15293-15305.	7.3	5
11	A Terahertz Chiral Metamaterial Modulator. <i>Advanced Optical Materials</i> , 2020, 8, 2000581.	3.6	46
12	Photovoltage detection of spin excitation of a ferromagnetic stripe and disk at low temperature. <i>Japanese Journal of Applied Physics</i> , 2020, 59, SEED02.	0.8	1
13	Suspended two-dimensional electron gases in In _{0.75} Ga _{0.25} As quantum wells. <i>Applied Physics Letters</i> , 2020, 116, 232106.	1.5	1
14	A general approach for hysteresis-free, operationally stable metal halide perovskite field-effect transistors. <i>Science Advances</i> , 2020, 6, eaaz4948.	4.7	129
15	Line-defect photonic crystal terahertz quantum cascade laser. <i>Journal of Applied Physics</i> , 2019, 126, .	1.1	2
16	Graphene-Integrated Metamaterial Device for All-Electrical Polarization Control of Terahertz Quantum Cascade Lasers. <i>ACS Photonics</i> , 2019, 6, 1547-1555.	3.2	45
17	Frequency-tunable continuous-wave random lasers at terahertz frequencies. <i>Light: Science and Applications</i> , 2019, 8, 43.	7.7	33
18	Temperature dependence of the ferromagnetic response in Cr _x Sb _{2-x} Te ₃ topological insulator thin films investigated using terahertz spectroscopy and magneto-transport.. , 2019, , .		0

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19	High mobility In _{0.75} Ga _{0.25} As quantum wells in an InAs phonon lattice. Journal of Physics Condensed Matter, 2018, 30, 105705.	0.7	1
20	Continuous-wave highly-efficient low-divergence terahertz wire lasers. Nature Communications, 2018, 9, 1122.	5.8	30
21	Systematic Study of Ferromagnetism in Cr _x Sb _{2-3x} Te ₃ Topological Insulator Thin Films using Electrical and Optical Techniques. Scientific Reports, 2018, 8, 17024.	1.6	12
22	Amplitude stabilization and active control of a terahertz quantum cascade laser with a graphene loaded split-ring-resonator array. Applied Physics Letters, 2018, 112, .	1.5	12
23	Active Control of Electromagnetically Induced Transparency in a Terahertz Metamaterial Array with Graphene for Continuous Resonance Frequency Tuning. Advanced Optical Materials, 2018, 6, 1800570.	3.6	85
24	Graphene-loaded metal wire grating for deep and broadband THz modulation in total internal reflection geometry. Photonics Research, 2018, 6, 1151.	3.4	20
25	THz carrier dynamics and magnetotransport study of topological surface states in thin film Bi ₂ Se ₃ . , 2018, , .		0
26	Using Transmissive Photonic Band Edge Shift to Detect Explosives: A Study with 2,4,6-Trinitrotoluene (TNT). ACS Photonics, 2017, 4, 384-395.	3.2	8
27	Bolometric detection of terahertz quantum cascade laser radiation with graphene-plasmonic antenna arrays. Journal Physics D: Applied Physics, 2017, 50, 174001.	1.3	22
28	Probing the Topological Surface State in Bi ₂ Se ₃ Thin Films Using Temperature-Dependent Terahertz Spectroscopy. ACS Photonics, 2017, 4, 2711-2718.	3.2	24
29	Continuous-wave laser operation of a dipole antenna terahertz microresonator. Light: Science and Applications, 2017, 6, e17054-e17054.	7.7	12
30	Terahertz Nanoscopy of Plasmonic Resonances with a Quantum Cascade Laser. ACS Photonics, 2017, 4, 2150-2157.	3.2	44
31	Optical side-band generation in THz Fabry-Perot laser cavities. Applied Physics Letters, 2017, 111, .	1.5	1
32	High Open-Circuit Voltages in Tin-Rich Low-Bandgap Perovskite-Based Planar Heterojunction Photovoltaics. Advanced Materials, 2017, 29, 1604744.	11.1	212
33	Coherent detection of THz laser signals in optical fiber systems. Optics Express, 2017, 25, 25566.	1.7	2
34	Improved Tuning Fork for Terahertz Quartz-Enhanced Photoacoustic Spectroscopy. Sensors, 2016, 16, 439.	2.1	59
35	Investigation of hollow cylindrical metal terahertz waveguides suitable for cryogenic environments. Optics Express, 2016, 24, 30002.	1.7	19
36	Graphene based plasmonic terahertz amplitude modulator operating above 100%MHz. Applied Physics Letters, 2016, 108, .	1.5	83

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37	Fast Room-Temperature Detection of Terahertz Quantum Cascade Lasers with Graphene-Loaded Bow-Tie Plasmonic Antenna Arrays. ACS Photonics, 2016, 3, 1747-1753.	3.2	42
38	Valence band offsets of Sc _x Ga _{1-x} N/AlN and Sc _x Ga _{1-x} N/GaN heterojunctions. Journal Physics D: Applied Physics, 2016, 49, 265110.	1.3	6
39	Single-Photon Superradiance from a Quantum Dot. Physical Review Letters, 2016, 116, 163604.	2.9	48
40	Fast Modulation of Terahertz Quantum Cascade Lasers Using Graphene Loaded Plasmonic Antennas. ACS Photonics, 2016, 3, 464-470.	3.2	37
41	Band gaps of wurtzite Sc _x Ga _{1-x} N alloys. Applied Physics Letters, 2015, 106, .	1.5	14
42	Growth variations and scattering mechanisms in metamorphic In _{0.75} Ga _{0.25} As/In _{0.75} Al _{0.25} As quantum wells grown by molecular beam epitaxy. Journal of Crystal Growth, 2015, 425, 70-75.	0.7	22
43	THz waveguide adapters for efficient radiation out-coupling from double metal THz QCLs. Optics Express, 2015, 23, 5190.	1.7	9
44	THz saturable absorption in turbostratic multilayer graphene on silicon carbide. Optics Express, 2015, 23, 11632.	1.7	23
45	Demonstration of a fully integrated superconducting receiver with a 27 THz quantum cascade laser. Optics Express, 2015, 23, 4453.	1.7	9
46	Phase-locked arrays of surface-emitting graded-phonic-heterostructure terahertz semiconductor lasers. Optics Express, 2015, 23, 6915.	1.7	14
47	Efficient coupling of double-metal terahertz quantum cascade lasers to flexible dielectric-lined hollow metallic waveguides. Optics Express, 2015, 23, 26276.	1.7	9
48	All-electric all-semiconductor spin field-effect transistors. Nature Nanotechnology, 2015, 10, 35-39.	15.6	289
49	Continuous-Wave Reflection Imaging Using Optical Feedback Interferometry in Terahertz and Mid-Infrared Quantum Cascade Lasers. IEEE Transactions on Terahertz Science and Technology, 2014, 4, 631-633.	2.0	23
50	Hollow metallic waveguides integrated with terahertz quantum cascade lasers. Optics Express, 2014, 22, 24439.	1.7	16
51	Fluence and polarisation dependence of GaAs based Lateral Photo-Dember terahertz emitters. Optics Express, 2014, 22, 3234.	1.7	14
52	Single mode terahertz quantum cascade amplifier. Applied Physics Letters, 2014, 105, 141102.	1.5	19
53	Low-Bias Terahertz Amplitude Modulator Based on Split-Ring Resonators and Graphene. ACS Nano, 2014, 8, 2548-2554.	7.3	131
54	A quartz enhanced photo-acoustic gas sensor based on a custom tuning fork and a terahertz quantum cascade laser. Analyst, The, 2014, 139, 2079-2087.	1.7	77

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55	Terahertz probe of individual subwavelength objects in a water environment. <i>Laser and Photonics Reviews</i> , 2014, 8, 734-742.	4.4	8
56	Monolithically integrated two-dimensional arrays of surface-emitting photonic-crystal terahertz lasers. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 386-392.	1.2	2
57	Intrinsic terahertz plasmon signatures in chemical vapour deposited graphene. <i>Applied Physics Letters</i> , 2013, 103, 121110.	1.5	12
58	Demonstration and characterization of an ambipolar high mobility transistor in an undoped GaAs/AlGaAs quantum well. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	16
59	Stable single-mode operation of surface-emitting terahertz lasers with graded photonic heterostructure resonators. <i>Applied Physics Letters</i> , 2013, 102, 231105.	1.5	11
60	Cryogenic on-chip multiplexer for the study of quantum transport in 256 split-gate devices. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	44
61	435 kW peak power femtosecond pulse mode-locked VECSEL for supercontinuum generation. <i>Optics Express</i> , 2013, 21, 1599.	1.7	139
62	Intrinsic stability of quantum cascade lasers against optical feedback. <i>Optics Express</i> , 2013, 21, 13748.	1.7	103
63	Electric field sampling of modelocked pulses from a quantum cascade laser. <i>Optics Express</i> , 2013, 21, 16162.	1.7	26
64	Investigation of the role of the lateral photo-Dember effect in the generation of terahertz radiation using a metallic mask on a semiconductor. <i>Optics Express</i> , 2013, 21, 16263.	1.7	35
65	THz QCL-Based Cryogen-Free Spectrometer for in Situ Trace Gas Sensing. <i>Sensors</i> , 2013, 13, 3331-3340.	2.1	49
66	Multiple lateral photo-Dember terahertz emitters illuminated by a cylindrical micro-lens array. <i>Applied Physics Letters</i> , 2013, 103, .	1.5	9
67	Broadband photonic control for dual-mode terahertz laser emission. <i>Applied Physics Letters</i> , 2013, 102, 181106.	1.5	6
68	Electronically tunable aperiodic distributed feedback terahertz lasers. <i>Journal of Applied Physics</i> , 2013, 113, .	1.1	8
69	Ultra-shallow quantum dots in an undoped GaAs/AlGaAs two-dimensional electron gas. <i>Applied Physics Letters</i> , 2013, 102, 103507.	1.5	17
70	Reversible mode switching in Y-coupled terahertz lasers. <i>Applied Physics Letters</i> , 2013, 102, 111105.	1.5	6
71	Linear non-hysteretic gating of a very high density 2DEG in an undoped metal-semiconductor-metal sandwich structure. <i>Semiconductor Science and Technology</i> , 2012, 27, 115006.	1.0	4
72	175 GHz, 400-fs-pulse harmonically mode-locked surface emitting semiconductor laser. <i>Optics Express</i> , 2012, 20, 7040.	1.7	33

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73	Terahertz emission by diffusion of carriers and metal-mask dipole inhibition of radiation. Optics Express, 2012, 20, 8898.	1.7	20
74	Mode-locking of a terahertz laser by direct phase synchronization. Optics Express, 2012, 20, 20855.	1.7	25
75	Terahertz confocal microscopy with a quantum cascade laser source. Optics Express, 2012, 20, 21924.	1.7	52
76	Discrete mode tuning in terahertz quantum cascade lasers. Optics Express, 2012, 20, B306.	1.7	19
77	Direct intensity sampling of a modelocked terahertz quantum cascade laser. Applied Physics Letters, 2012, 101, .	1.5	27
78	Longitudinal computer-generated holograms for digital frequency control in electronically tunable terahertz lasers. Applied Physics Letters, 2012, 101, .	1.5	16
79	Indirect Modulation of a Terahertz Quantum Cascade Laser Using Gate Tunable Graphene. IEEE Photonics Journal, 2012, 4, 1776-1782.	1.0	7
80	All-optical wavelength shifting in a semiconductor laser using resonant nonlinearities. Nature Photonics, 2012, 6, 519-524.	15.6	22
81	Resistively Detected Nuclear Magnetic Resonance in n- and p-Type GaAs Quantum Point Contacts. Nano Letters, 2011, 11, 3147-3150.	4.5	27
82	High efficiency coupling of Terahertz micro-ring quantum cascade lasers to the low-loss optical modes of hollow metallic waveguides. Optics Express, 2011, 19, 1122.	1.7	25
83	Repetition-frequency-tunable mode-locked surface emitting semiconductor laser between 278 and 787 GHz. Optics Express, 2011, 19, 23453.	1.7	25
84	Terahertz near-field imaging using subwavelength plasmonic apertures and a quantum cascade laser source. Optics Letters, 2011, 36, 2393.	1.7	9
85	Broad gain in a bound-to-continuum quantum cascade laser with heterogeneous active region. Applied Physics Letters, 2011, 99, .	1.5	15
86	Double spin resonance in a spatially periodic magnetic field with zero average. Europhysics Letters, 2011, 94, 28001.	0.7	10
87	Lasing in planar semiconductor diodes. Applied Physics Letters, 2011, 99, 261110.	1.5	3
88	Microwave power generation by magnetic superlattices. Applied Physics Letters, 2011, 99, 242107.	1.5	0
89	Anti-bunched photons from a lateral light-emitting diode. Applied Physics Letters, 2011, 99, 131103.	1.5	2
90	Variable repetition frequency femtosecond-pulse surface emitting semiconductor laser. Applied Physics Letters, 2011, 99, 131107.	1.5	19

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91	Tuneable polaritonics at room temperature with strongly coupled Tamm plasmon polaritons in metal/air-gap microcavities. Applied Physics Letters, 2011, 98, .	1.5	47
92	Gain enhancement in a terahertz quantum cascade laser with parylene antireflection coatings. Applied Physics Letters, 2011, 98, .	1.5	16
93	Quasibound states in semiconductor quantum well structures. Superlattices and Microstructures, 2010, 47, 288-299.	1.4	12
94	Quasi-periodic distributed feedback laser. Nature Photonics, 2010, 4, 165-169.	15.6	99
95	Phase-locking of a 2.7-THz quantum cascade laser to a mode-locked erbium-doped fibre laser. Nature Photonics, 2010, 4, 636-640.	15.6	166
96	High-power surface emission from terahertz distributed feedback lasers with a dual-slit unit cell. Applied Physics Letters, 2010, 96, .	1.5	42
97	Passively harmonically mode-locked vertical-external-cavity surface-emitting laser emitting 1.1 ps pulses at 147 GHz repetition rate. Applied Physics Letters, 2010, 97, .	1.5	23
98	High Peak Power Femtosecond Pulse Passively Mode-Locked Vertical-External-Cavity Surface-Emitting Laser. IEEE Photonics Technology Letters, 2010, 22, 1021-1023.	1.3	49
99	Tuning a distributed feedback laser with a coupled microcavity. Optics Express, 2010, 18, 19185.	1.7	30
100	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. Optics Express, 2010, 18, 20799.	1.7	103
101	Distinguishing impurity concentrations in GaAs and AlGaAs using very shallow undoped heterostructures. Applied Physics Letters, 2010, 97, .	1.5	23
102	Wide dynamic range terahertz detector pixel for active spectroscopic imaging with quantum cascade lasers. Applied Physics Letters, 2009, 95, .	1.5	16
103	MAGNETIC FIELD INDUCED INSTABILITIES IN LOCALIZED TWO-DIMENSIONAL ELECTRON SYSTEMS. International Journal of Modern Physics B, 2009, 23, 2708-2712.	1.0	1
104	Electrically pumped photonic-crystal terahertz lasers controlled by boundary conditions. Nature, 2009, 457, 174-178.	13.7	334
105	Vertically emitting microdisk lasers. Nature Photonics, 2009, 3, 46-49.	15.6	119
106	Design and simulation of a THz QCL based on " depopulation mechanism. Physica E: Low-Dimensional Systems and Nanostructures, 2009, 41, 1240-1242.	1.3	3
107	Finite size effects in surface emitting Terahertz quantum cascade lasers. Optics Express, 2009, 17, 6703.	1.7	12
108	Distributed feedback ring resonators for vertically emitting terahertz quantum cascade lasers. Optics Express, 2009, 17, 13031.	1.7	31

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109	Resonant tuning fork detector for THz radiation. Optics Express, 2009, 17, 14069.	1.7	17
110	Spectral behavior of a terahertz quantum-cascade laser. Optics Express, 2009, 17, 20476.	1.7	19
111	Differential Near-Field Scanning Optical Microscopy with THz quantum cascade laser sources. Optics Express, 2009, 17, 23785.	1.7	14
112	Low temperature transport in undoped mesoscopic structures. Applied Physics Letters, 2009, 94, 172105.	1.5	17
113	Quantum Cascade Detectors. IEEE Journal of Quantum Electronics, 2009, 45, 1039-1052.	1.0	175
114	Quantisation of hopping magnetoresistance prefactor in strongly correlated two-dimensional electron systems. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1347-1350.	1.3	2
115	Photoresistance oscillations of magnetic quantum wires. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1436-1438.	1.3	0
116	Terahertz Quantum Cascade Devices: From Intersubband Transition to Microcavity Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 307-314.	1.9	2
117	Frequency Manipulation of THz Bound-to-Continuum Quantum-Cascade Lasers. IEEE Photonics Technology Letters, 2008, 20, 303-305.	1.3	10
118	Distributed Feedback THz Quantum-Cascade Lasers Using Thin Double-Metallic Gratings. IEEE Photonics Technology Letters, 2008, 20, 857-859.	1.3	7
119	Bychkov's Rashba dominated band structure in an $\text{In}_{0.75}\text{Ga}_{0.25}\text{As}/\text{In}_{0.75}\text{Al}_{0.25}\text{As}$ device with spin-split carrier densities of $< 10^{11}\text{cm}^{-2}$. Journal of Physics Condensed Matter, 2008, 20, 472207.	0.7	12
120	Spin-orbit coupling in an $\text{In}_{0.52}\text{Ga}_{0.48}\text{As}$ quantum well with two populated subbands. Journal of Applied Physics, 2008, 103, 124506.	1.1	9
121	Surface plasmon quantum cascade lasers as terahertz local oscillators. Optics Letters, 2008, 33, 312.	1.7	34
122	All-semiconductor room-temperature terahertz time domain spectrometer. Optics Letters, 2008, 33, 2125.	1.7	34
123	Electrically switchable emission in terahertz quantum cascade lasers. Optics Express, 2008, 16, 19830.	1.7	27
124	Terahertz heterodyne receiver with quantum cascade laser and hot electron bolometer mixer in a pulse tube cooler. Applied Physics Letters, 2008, 93, 141108.	1.5	71
125	Laser Local Oscillators for Heterodyne Receivers beyond 2 Terahertz. Frequenz, 2008, 62, 111-117.	0.6	2
126	Surface-emitting photonic crystal terahertz quantum cascade lasers. Applied Physics Letters, 2008, 93, .	1.5	16

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127	Metal-metal terahertz quantum cascade laser with micro-transverse-electromagnetic-horn antenna. Applied Physics Letters, 2008, 93, 183508.	1.5	62
128	Quantum transport in In _{0.75} Ga _{0.25} As quantum wires. Applied Physics Letters, 2008, 92, 152108.	1.5	23
129	Improved wall plug efficiency of a 1.9THz quantum cascade laser by an automated design approach. Applied Physics Letters, 2008, 93, 191119.	1.5	7
130	Intensity detection of terahertz quantum cascade laser radiation using electro-optic sampling. Applied Physics Letters, 2008, 93, 191111.	1.5	11
131	Anomalous Coulomb Drag in Electron-Hole Bilayers. Physical Review Letters, 2008, 101, 246801.	2.9	104
132	Microwave-induced forward scattering and Luttinger liquid interferences in magnetically confined quantum wires. Low Temperature Physics, 2008, 34, 853-857.	0.2	1
133	Analysis of photomixer receivers for continuous-wave terahertz radiation. Applied Physics Letters, 2007, 91, 154103.	1.5	17
134	Growth-temperature optimization for low-carrier-density In _{0.75} Ga _{0.25} As-based high electron mobility transistors on InP. Journal of Applied Physics, 2007, 102, 083518.	1.1	12
135	Imprinted diffractive optics for terahertz radiation. Optics Letters, 2007, 32, 1141.	1.7	34
136	Excitation-density-dependent generation of broadband terahertz radiation in an asymmetrically excited photoconductive antenna. Optics Letters, 2007, 32, 2297.	1.7	52
137	13 GHz direct modulation of terahertz quantum cascade lasers. Applied Physics Letters, 2007, 91, .	1.5	88
138	Tunable terahertz quantum cascade lasers with an external cavity. Applied Physics Letters, 2007, 91, 121104.	1.5	74
139	POINT CONTACT SPECTROSCOPY OF MAGNETIC EDGE STATES. International Journal of Modern Physics B, 2007, 21, 1507-1510.	1.0	1
140	Terahertz transfer onto a telecom optical carrier. Nature Photonics, 2007, 1, 411-415.	15.6	52
141	Frequency Characterization of a Terahertz Quantum-Cascade Laser. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 262-265.	2.4	9
142	Molecular Spectroscopy with TeraHertz Quantum Cascade Lasers. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 101-107.	0.1	17
143	Thermal properties of THz quantum cascade lasers based on different optical waveguide configurations. Applied Physics Letters, 2006, 89, 021111.	1.5	46
144	A THz quantum cascade detector in a strong perpendicular magnetic field. Semiconductor Science and Technology, 2006, 21, 1743-1746.	1.0	15

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145	Continuous wave operation of a superlattice quantum cascade laser emitting at 2 THz. Optics Express, 2006, 14, 171.	1.7	86
146	Three-dimensional imaging with a terahertz quantum cascade laser. Optics Express, 2006, 14, 2123.	1.7	117
147	Surface plasmon photonic structures in terahertz quantum cascade lasers. Optics Express, 2006, 14, 5335.	1.7	64
148	Kelvin probe microscopy to image and characterise erasable electrostatic lithography. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 34, 686-688.	1.3	3
149	Gating schemes for controlling the electron wavefunction between GaAs and In _{0.05} Ga _{0.95} As quasi-one-dimensional channels. Journal of Physics Condensed Matter, 2006, 18, L123-L128.	0.7	6
150	Electrically switchable, two-color quantum cascade laser emitting at 1.39 and 2.3THz. Applied Physics Letters, 2006, 88, 141102.	1.5	72
151	Subband electronic temperatures and electron-lattice energy relaxation in terahertz quantum cascade lasers with different conduction band offsets. Applied Physics Letters, 2006, 89, 131114.	1.5	32
152	Examination of surface acoustic wave reflections by observing acoustoelectric current generation under pulse modulation. Applied Physics Letters, 2006, 89, 132102.	1.5	13
153	Electron-lattice coupling in bound-to-continuum THz quantum-cascade lasers. Applied Physics Letters, 2006, 88, 241109.	1.5	38
154	Low frequency terahertz quantum cascade laser operating from 1.6to1.8THz. Applied Physics Letters, 2006, 89, 231121.	1.5	112
155	Acoustic charge transport in a n-i-n three terminal device. Applied Physics Letters, 2006, 88, 212101.	1.5	5
156	Terahertz quantum cascade lasersâ€™ first demonstration and novel concepts. Semiconductor Science and Technology, 2005, 20, S222-S227.	1.0	42
157	Terahertz frequency range band-stop filters. Applied Physics Letters, 2005, 86, 213503.	1.5	54
158	Surface acoustic wave-induced electroluminescence intensity oscillation in planar light-emitting devices. Applied Physics Letters, 2005, 86, 241107.	1.5	17
159	Characteristics of a micromachined floating-gate high-electron-mobility transistor at 4.2K. Journal of Applied Physics, 2005, 97, 114507.	1.1	10
160	Fabrication of closely spaced, independently contacted electron-hole bilayers in GaAs-AlGaAs heterostructures. Applied Physics Letters, 2005, 87, 202104.	1.5	20
161	Mechanisms of dynamic range limitations in GaAs*AlGaAs quantum-cascade lasers: Influence of injector doping. Applied Physics Letters, 2005, 86, 211117.	1.5	69
162	Terahertz quantum cascade laser as local oscillator in a heterodyne receiver. Optics Express, 2005, 13, 5890.	1.7	156

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163	Imaging with THz quantum cascade lasers using a Schottky diode mixer. Optics Express, 2005, 13, 6497.	1.7	69
164	High-performance operation of single-mode terahertz quantum cascade lasers with metallic gratings. Applied Physics Letters, 2005, 87, 181101.	1.5	77
165	High power quantum cascade lasers operating at $\lambda = 87$ and $130\ \mu\text{m}$. Applied Physics Letters, 2004, 85, 3986-3988.	1.5	80
166	Single-mode operation of terahertz quantum cascade lasers with distributed feedback resonators. Applied Physics Letters, 2004, 84, 5446-5448.	1.5	67
167	2.9THz quantum cascade lasers operating up to 70K in continuous wave. Applied Physics Letters, 2004, 85, 1674-1676.	1.5	228
168	Quantized charge pumping through a quantum dot by surface acoustic waves. Applied Physics Letters, 2004, 84, 4319-4321.	1.5	53
169	Terahertz Emission from Quantum Cascade Lasers in the Quantum Hall Regime: Evidence for Many Body Resonances and Localization Effects. Physical Review Letters, 2004, 93, 237403.	2.9	80
170	Surface acoustic wave-driven planar light-emitting device. Applied Physics Letters, 2004, 85, 3020-3022.	1.5	16
171	Density-dependent instabilities in correlated two dimensional electron systems. Journal of Physics Condensed Matter, 2004, 16, 3623-3631.	0.7	8
172	Terahertz range quantum well infrared photodetector. Applied Physics Letters, 2004, 84, 475-477.	1.5	195
173	Standing waves of magnetic edge states in mesoscopic magnetic rings. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 193-196.	1.3	0
174	Erasable electrostatic lithography. Physica E: Low-Dimensional Systems and Nanostructures, 2004, 22, 717-720.	1.3	1
175	Terahertz quantum-cascade lasers based on an interlaced photon-phonon cascade. Applied Physics Letters, 2004, 84, 1266-1268.	1.5	56
176	Possible Evidence of a Spontaneous Spin Polarization in Mesoscopic Two-Dimensional Electron Systems. Physical Review Letters, 2004, 92, 116601.	2.9	52
177	Generation and detection of ultrabroadband terahertz radiation using photoconductive emitters and receivers. Applied Physics Letters, 2004, 85, 164-166.	1.5	144
178	Application of terahertz quantum-cascade lasers to semiconductor cyclotron resonance. Optics Letters, 2004, 29, 122.	1.7	18
179	Linewidth and tuning characteristics of terahertz quantum cascade lasers. Optics Letters, 2004, 29, 575.	1.7	125
180	Heterodyne mixing of two far-infrared quantum cascade lasers by use of a point-contact Schottky diode. Optics Letters, 2004, 29, 1632.	1.7	60

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181	Population inversion by resonant magnetic confinement in terahertz quantum-cascade lasers. Applied Physics Letters, 2003, 83, 3453-3455.	1.5	18
182	Erasable electrostatic lithography for quantum components. Nature, 2003, 424, 751-754.	13.7	57
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