

Aaron Maxwell Andrews

List of Publications by Year in descending order

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266
papers

4,822
citations

117625

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110387

64
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267
all docs

267
docs citations

267
times ranked

4585
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadband laser-based mid-infrared spectroscopy employing a quantum cascade detector for milk protein analysis. <i>Sensors and Actuators B: Chemical</i> , 2022, 350, 130873.	7.8	19
2	2.7 $\times 10^4$ m quantum cascade detector: Above band gap energy intersubband detection. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	7
3	Silicon integrated terahertz quantum cascade ring laser frequency comb. <i>Applied Physics Letters</i> , 2022, 120, .	3.3	8
4	Comb Formation In Ultrathin Terahertz Quantum Cascade Ring Lasers. , 2021, , .		0
5	High-speed quantum cascade detector characterized with a mid-infrared femtosecond oscillator. <i>Optics Express</i> , 2021, 29, 5774.	3.4	34
6	Comb operation in terahertz quantum cascade ring lasers. <i>Optica</i> , 2021, 8, 780.	9.3	27
7	Terahertz Optical Machine Learning. , 2021, , .		0
8	Deep learning control of THz QCLs. <i>Optics Express</i> , 2021, 29, 23611.	3.4	6
9	All-optical adaptive control of quantum cascade random lasers. <i>Nature Communications</i> , 2020, 11, 5530.	12.8	19
10	Superradiant Ensembles of Terahertz Polaritonic Meta-Atoms. <i>IEEE Photonics Journal</i> , 2020, 12, 1-8.	2.0	0
11	Thermal-Dynamics Optimization of Terahertz Quantum Cascade Lasers with Different Barrier Compositions. <i>Physical Review Applied</i> , 2020, 14, .	3.8	7
12	Resonant tunneling diodes strongly coupled to the cavity field. <i>Applied Physics Letters</i> , 2020, 116, .	3.3	7
13	Singular charge fluctuations at a magnetic quantum critical point. <i>Science</i> , 2020, 367, 285-288.	12.6	55
14	Terahertz optical machine learning for object recognition. <i>APL Photonics</i> , 2020, 5, .	5.7	8
15	Interband Cascade and Quantum Cascade Ring Lasers. , 2020, , .		0
16	Evaluation of Material Systems for THz Quantum Cascade Laser Active Regions. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1800504.	1.8	11
17	Interband and Quantum Cascade Laser Frequency Combs: From Physics to Monolithic Integration. , 2019, , .		0
18	Dual-Lasing Channel of a High-Temperature Terahertz Quantum Cascade Laser. , 2019, , .		0

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19	Laser Level Selection in Terahertz Quantum Cascade Lasers. , 2019, , .		0
20	Thermal Conductivity for Different Barrier Compositions of Terahertz Quantum Cascade Lasers. , 2019, , .		0
21	Color switching of a terahertz quantum cascade laser. Applied Physics Letters, 2019, 114, 191104.	3.3	8
22	Scattering strength dependence of terahertz random lasers. Journal of Applied Physics, 2019, 125, 151611.	2.5	5
23	Optically Tunable Terahertz Quantum Cascade Random Lasers. , 2019, , .		0
24	Suppression of axial growth by boron incorporation in GaAs nanowires grown by self-catalyzed molecular beam epitaxy. Nanotechnology, 2019, 30, 065602.	2.6	1
25	Coherent injection locking of quantum cascade laser frequency combs. Nature Photonics, 2019, 13, 101-104.	31.4	116
26	Influence of Boron Antisite Defects on the Electrical Properties of MBE-grown GaAs Nanowires. Physica Status Solidi (B): Basic Research, 2019, 256, 1800368.	1.5	2
27	Thermoelectric-cooled terahertz quantum cascade lasers. Optics Express, 2019, 27, 20688.	3.4	33
28	Monolithic frequency comb platform based on interband cascade lasers and detectors. Optica, 2019, 6, 890.	9.3	61
29	Picosecond pulses from a mid-infrared interband cascade laser. Optica, 2019, 6, 1334.	9.3	28
30	Barrier Height Tuning of Terahertz Quantum Cascade Lasers for High-Temperature Operation. ACS Photonics, 2018, 5, 4687-4693.	6.6	35
31	Ring quantum cascade lasers with twisted wavefronts. Scientific Reports, 2018, 8, 7998.	3.3	7
32	THz Quantum Cascade Lasers. , 2018, , 597-624.		2
33	Lithography-free positioned GaAs nanowire growth with focused ion beam implantation of Ga. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2017, 35, .	1.2	10
34	Incorporation of Sb and As in MBE grown GaAs _x Sb _{1-x} layers. APL Materials, 2017, 5, .	5.1	16
35	High-Power Growth-Robust InGaAs/InAlAs Terahertz Quantum Cascade Lasers. ACS Photonics, 2017, 4, 957-962.	6.6	22
36	Quantum cascade detector at 4.3um wavelength in pixel array configuration (Conference) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 62 Td (

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37	Growth rate dependence of boron incorporation into B _x Ga _{1-x} As layers. Journal of Crystal Growth, 2017, 477, 77-81.	1.5	12
38	Focused ion beam implantation for the nucleation of self-catalyzed III-V nanowires. Microelectronic Engineering, 2017, 177, 93-97.	2.4	8
39	The limit of quantum cascade detectors: A single period device. Applied Physics Letters, 2017, 111, .	3.3	16
40	Schottky diode formation in GaAs nanowires by heterogeneous contact deposition. Materials Today: Proceedings, 2017, 4, 7101-7106.	1.8	1
41	Acquisition of spectrally resolved multimode far-fields from terahertz quantum cascade lasers. , 2017, , .		0
42	Inverse bandstructure engineering of alternative barrier materials for InGaAs-based terahertz quantum cascade lasers. , 2017, , .		0
43	Low effective electron mass InGaAs/InAlAs for high power terahertz quantum cascade lasers. , 2017, , .		0
44	Surface emitting ring quantum cascade lasers for chemical sensing. Optical Engineering, 2017, 57, 1.	1.0	8
45	Enhanced Crystal Quality of Al _x In _{1-x} As _y Sb _{1-y} for Terahertz Quantum Cascade Lasers. Photonics, 2016, 3, 20.	2.0	7
46	Random lasers for broadband directional emission. Optica, 2016, 3, 1035.	9.3	86
47	Spectrally resolved far-fields of terahertz quantum cascade lasers. Optics Express, 2016, 24, 25462.	3.4	4
48	InAs based terahertz quantum cascade lasers. Applied Physics Letters, 2016, 108, .	3.3	40
49	Far-Infrared Quantum Cascade Lasers Operating in the AlAs Phonon Reststrahlen Band. ACS Photonics, 2016, 3, 2280-2284.	6.6	34
50	THz quantum cascade lasers with low effective mass active region. , 2016, , .		0
51	Advanced gas sensors based on substrate-integrated hollow waveguides and dual-color ring quantum cascade lasers. Analyst, The, 2016, 141, 6202-6207.	3.5	20
52	43 μ m quantum cascade detector in pixel configuration. Optics Express, 2016, 24, 17041.	3.4	33
53	In-situ measurement of bound states in the continuum in photonic crystal slabs (Conference) Tj ETQq1 1 0.784314 rgBT /Overlock 10		
54	Measurement of bound states in the continuum by a detector embedded in a photonic crystal. Light: Science and Applications, 2016, 5, e16147-e16147.	16.6	73

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55	Remote Sensing with Commutable Monolithic Laser and Detector. ACS Photonics, 2016, 3, 1794-1798.	6.6	21
56	Mid-infrared surface transmitting and detecting quantum cascade device for gas-sensing. Scientific Reports, 2016, 6, 21795.	3.3	38
57	Ring quantum cascade lasers with grating phase shifts and a light collimating dielectric metamaterial for enhanced infrared spectroscopy. Vibrational Spectroscopy, 2016, 84, 101-105.	2.2	4
58	Highly Integrated Gas Sensors based on Bi-functional Quantum Cascade Structures. , 2016, , .		0
59	On-chip Generation of Infrared Orbital Angular Momentum Beams using a Dielectric Metamaterial. , 2016, , .		0
60	High-power THz quantum cascade lasers. , 2015, , .		0
61	The influence of whispering gallery modes on the far field of ring lasers. Scientific Reports, 2015, 5, 16668.	3.3	17
62	High performance bi-functional quantum cascade laser and detector. Applied Physics Letters, 2015, 107, .	3.3	24
63	Nucleation of Ga droplets on Si and SiOx surfaces. Nanotechnology, 2015, 26, 315601.	2.6	24
64	InAs/AlAsSb based quantum cascade detector. Applied Physics Letters, 2015, 107, .	3.3	35
65	Coupled cavity terahertz quantum cascade lasers with integrated emission monitoring. Optics Express, 2015, 23, 3581.	3.4	3
66	Monolithically integrated mid-infrared sensor using narrow mode operation and temperature feedback. Applied Physics Letters, 2015, 106, .	3.3	14
67	From Photonic Crystal to Subwavelength Micropillar Array Terahertz Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 780-791.	2.9	6
68	Quantum cascade detector utilizing the diagonal-transition scheme for high quality cavities. Optics Express, 2015, 23, 6283.	3.4	14
69	Monolithic Absorption Sensors Based on Bi-functional Quantum Cascade Structures. , 2015, , .		0
70	2.5 D photonic crystal quantum cascade detector. , 2014, , .		0
71	All-Electrical Thermal Monitoring of Terahertz Quantum Cascade Lasers. IEEE Photonics Technology Letters, 2014, 26, 1470-1473.	2.5	4
72	High power THz quantum cascade lasers based on novel materials and designs. , 2014, , .		0

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73	InGaAs/GaAsSb based two-dimensional electron gases. Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics, 2014, 32, 02C104.	1.2	3
74	Characterizing intra-exciton Coulomb scattering in terahertz excitations. Applied Physics Letters, 2014, 105, 201109.	3.3	3
75	Observation and manipulation of dipole-forbidden exciton transitions in semiconductors. , 2014, , .		0
76	Subwavelength micropillar array terahertz lasers. Optics Express, 2014, 22, 274.	3.4	62
77	Grating-based far field modifications of ring quantum cascade lasers. Optics Express, 2014, 22, 15829.	3.4	19
78	On-chip focusing in the mid-infrared: Demonstrated with ring quantum cascade lasers. Applied Physics Letters, 2014, 104, .	3.3	15
79	Magnetic control of Coulomb scattering and terahertz transitions among excitons. Physical Review B, 2014, 89, .	3.2	5
80	High-power, low-lateral divergence broad area quantum cascade lasers with a tilted front facet. Applied Physics Letters, 2014, 104, .	3.3	20
81	Diagonal-transition quantum cascade detector. Applied Physics Letters, 2014, 105, .	3.3	48
82	Plasmonic lens enhanced mid-infrared quantum cascade detector. Applied Physics Letters, 2014, 105, 171112.	3.3	24
83	Resonant intersubband plasmon induced current in InGaAs quantum wells on GaAs. Applied Physics Letters, 2014, 104, 122101.	3.3	0
84	Monolithically integrated mid-infrared lab-on-a-chip using plasmonics and quantum cascade structures. Nature Communications, 2014, 5, 4085.	12.8	155
85	Resonant metamaterial detectors based on THz quantum-cascade structures. Scientific Reports, 2014, 4, 4269.	3.3	32
86	Towards Watt-Level Performance of Terahertz Quantum Cascade Lasers. , 2014, , .		0
87	Scaling of Micropillar Array Terahertz Lasers into the Subwavelength Regime. , 2014, , .		0
88	A mid-infrared Lab-on-a-Chip: Generating, Guiding and Detecting Light in a Monolithic Device. , 2014, , .		0
89	Linearly polarized light from substrate emitting ring cavity quantum cascade lasers. Applied Physics Letters, 2013, 103, 081101.	3.3	21
90	InGaAs/GaAsSb/InP terahertz quantum cascade lasers. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 374-385.	2.2	11

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91	Ultrastrong coupling of intersubband plasmons and terahertz metamaterials. Applied Physics Letters, 2013, 103, .	3.3	28
92	Photonic crystal slab quantum cascade detector. Applied Physics Letters, 2013, 103, .	3.3	19
93	Fabrication and characterization of terahertz emitting GaAs/AlGaAs micropillar quantum cascade structures in a double metal waveguide. , 2013, , .		0
94	Polarization versatility of surface emitting ring cavity quantum cascade lasers. , 2013, , .		0
95	Influence of the facet type on the performance of terahertz quantum cascade lasers with double-metal waveguides. Applied Physics Letters, 2013, 102, 231121.	3.3	17
96	Dopant migration effects in terahertz quantum cascade lasers. Applied Physics Letters, 2013, 102, 201102.	3.3	26
97	Probing scattering mechanisms with symmetric quantum cascade lasers. Optics Express, 2013, 21, 7209.	3.4	35
98	Enhanced light output power of quantum cascade lasers from a tilted front facet. Optics Express, 2013, 21, 15869.	3.4	9
99	Towards nanowire-based terahertz quantum cascade lasers: prospects and technological challenges. Proceedings of SPIE, 2013, , .	0.8	3
100	Monolithically Integrated Mid-Infrared Quantum Cascade Laser and Detector. Sensors, 2013, 13, 2196-2205.	3.8	29
101	High power terahertz quantum cascade lasers with symmetric wafer bonded active regions. Applied Physics Letters, 2013, 103, .	3.3	77
102	Multi-cavity terahertz quantum cascade lasers. , 2013, , .		0
103	Towards mid-infrared on-chip sensing utilizing a bi-functional quantum cascade laser/detector. , 2013, , .		0
104	Optimized photonic crystal design for quantum well infrared photodetectors. Proceedings of SPIE, 2012, , .	0.8	6
105	Facet reflectivity reduction of quantum cascade lasers by tilted facets. , 2012, , .		0
106	THz quantum cascade lasers with wafer bonded active regions. Optics Express, 2012, 20, 23832.	3.4	8
107	Detectivity enhancement in quantum well infrared photodetectors utilizing a photonic crystal slab resonator. Optics Express, 2012, 20, 5622.	3.4	37
108	Sub-diffraction-limit semiconductor resonators operating on the fundamental magnetic resonance. Applied Physics Letters, 2012, 100, .	3.3	25

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109	Polaritonic spectroscopy of intersubband transitions. Physical Review B, 2012, 86, .	3.2	24
110	Fano effect due to ponderomotive coupling in intersubband response of semiconductor quantum wells. Physical Review B, 2012, 86, .	3.2	1
111	Grating duty-cycle induced enhancement of substrate emission from ring cavity quantum cascade lasers. Applied Physics Letters, 2012, 100, .	3.3	16
112	Increased Detectivity and Operation Temperature in Photonic Crystal Slab Quantum Well Photodetectors. , 2012, , .		0
113	Free-electron laser spectroscopy of quantum well exciton dynamics. , 2012, , .		0
114	Superconducting Microdisk Cavities for THz Quantum Cascade Lasers. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 550-555.	3.1	3
115	High performance InGaAs/GaAsSb terahertz quantum cascade lasers operating up to 142â€‰K. Applied Physics Letters, 2012, 101, 211117.	3.3	53
116	A bi-functional quantum cascade device for same-frequency lasing and detection. Applied Physics Letters, 2012, 101, 191109.	3.3	39
117	Upper band operation of active photonic crystal terahertz lasers. , 2012, , .		0
118	Microcavity-Integrated Graphene Photodetector. Nano Letters, 2012, 12, 2773-2777.	9.1	753
119	Resonant Metamaterial Detectors Utilizing THz Quantum-Cascade Lasers. , 2012, , .		0
120	Terahertz Quantum Cascade Lasers with Symmetric Active Regions. , 2012, , .		0
121	Sub-diffraction-limit resonators operating on the fundamental monopolar resonance: application to THz polaritons. , 2012, , .		0
122	Photonic bandstructure engineering of THz quantum-cascade lasers. Applied Physics Letters, 2011, 99, 201103.	3.3	2
123	Improved InGaAs/GaAsSb quantum cascade laser active region designs. Journal of Modern Optics, 2011, 58, 2015-2020.	1.3	4
124	Gain and losses in THz quantum cascade laser with metal-metal waveguide. Optics Express, 2011, 19, 733.	3.4	45
125	Higher order modes in photonic crystal slabs. Optics Express, 2011, 19, 15990.	3.4	9
126	Terahertz emission from resonant intersubband plasmons. , 2011, , .		0

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127	Two Dimensional Integration of Ring Cavity Surface Emitting Quantum Cascade Lasers. , 2011, , .		0
128	Improvements of High Performance 2-nm-thin InAlN [∧] •AlN Barrier Devices by Interface Engineering. , 2011, , .		0
129	Temperature-induced beam steering of Y-coupled quantum cascade lasers. , 2011, , .		0
130	Terahertz Induced Intra-excitonic Autler-Townes Effect In Semiconductor Quantum Wells. AIP Conference Proceedings, 2011, , .	0.4	0
131	Mapping the Local Photoresponse of Epitaxial and Colloidal Quantum Dots by Photoconductive Atomic Force Microscopy. , 2011, , .		0
132	Terahertz nonlinear optics using intra [∧] excitonic quantum well transitions: Sideband generation and AC Stark splitting. Physica Status Solidi (B): Basic Research, 2011, 248, 859-862.	1.5	9
133	AFM [∧] based photocurrent imaging of epitaxial and colloidal QDs. Physica Status Solidi C: Current Topics in Solid State Physics, 2011, 8, 426-428.	0.8	1
134	Si doping of MBE grown bulk GaAsSb on InP. Journal of Crystal Growth, 2011, 323, 42-44.	1.5	10
135	Progress on InGaAs/GaAsSb based terahertz quantum cascade lasers. , 2011, , .		0
136	Superconducting waveguides for terahertz quantum cascade lasers. , 2011, , .		0
137	Active photonic crystal terahertz laser operating in upper bands. , 2011, , .		0
138	Photonic crystal slab quantum well infrared photodetector. Applied Physics Letters, 2011, 98, .	3.3	62
139	THz time domain spectroscopy of coupled cavity THz quantum cascade lasers with metal-metal waveguide. , 2011, , .		0
140	Terahertz Active Photonic Crystals for Condensed Gas Sensing. Sensors, 2011, 11, 6003-6014.	3.8	34
141	Metal-Metal THz Quantum Cascade Laser Gain and Loss Investigated by THz Time Domain Spectroscopy. , 2011, , .		0
142	Active photonic crystal terahertz laser operating in higher bands. , 2011, , .		0
143	Microdisk THz quantum-cascade lasers with super-conducting cavities. Proceedings of SPIE, 2010, , .	0.8	0
144	Surface-emitting terahertz quantum cascade ring lasers. Proceedings of SPIE, 2010, , .	0.8	0

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145	Ring resonator-based surface emitting quantum cascade lasers. Proceedings of SPIE, 2010, , .	0.8	0
146	Photonic crystal band edge and defect states in the spectral response of intersubband detectors. , 2010, , .		0
147	An aluminum-free mid-infrared quantum cascade laser. , 2010, , .		1
148	Ultrastrong Light-Matter Coupling Regime with Polariton Dots. Physical Review Letters, 2010, 105, 196402.	7.8	358
149	Intraminiband Relaxation In Doped GaAs ⁺ AlGaAs Superlattices Studied By Two-Color Infrared Pump-Probe Experiments. , 2010, , .		0
150	Phase-locking in Y-junction Quantum Cascade Lasers. , 2010, , .		0
151	Tuning Of Quantum Cascade Lasers Using Chromic Claddings. , 2010, , .		0
152	Nonparabolicity effects in InGaAs/GaAsSb double barrier resonant tunneling diodes. Journal of Applied Physics, 2010, 108, 073707.	2.5	7
153	Electrical beam steering of Y-coupled quantum cascade lasers. Applied Physics Letters, 2010, 96, .	3.3	7
154	Light induced tuning of quantum cascade lasers. Applied Physics Letters, 2010, 97, 051106.	3.3	3
155	Intraexciton terahertz nonlinear optics in semiconductor quantum wells: Sideband generation and AC Stark splitting. , 2010, , .		0
156	Intersubband optoelectronics in the InGaAs/GaAsSb material system. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C3G19-C3G23.	1.2	13
157	Terahertz spectroscopy of double metal quantum cascade structures. , 2010, , .		0
158	Nonspin related giant magnetoresistance $\approx 600\%$ in hybrid field-effect transistors with ferromagnetic gates. Applied Physics Letters, 2010, 97, 063108.	3.3	2
159	MBE Growth of GaAs Whiskers on Si Nanowires. , 2010, , .		0
160	Optical properties of metal-dielectric-metal microcavities in the THz frequency range. Optics Express, 2010, 18, 13886.	3.4	156
161	Terahertz quantum cascade lasers based on type II InGaAs/GaAsSb/InP. Applied Physics Letters, 2010, 97, 261110.	3.3	45
162	Observation of the Intraexciton Autler-Townes Effect in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle \text{GaAs} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{AlGaAs} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ Semiconductor Quantum Wells. Physical Review Letters, 2010, 105, 167401.	7.8	113

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163	THz photonic crystal quantum-cascade lasers: Frequency tuning during lasing operation. , 2010, , .		0
164	THz quantum-cascade lasers with superconducting waveguides. , 2010, , .		0
165	Terahertz quantum cascade laser in the InGaAs/GaAsSb material system. , 2010, , .		0
166	Gain photonic crystal terahertz quantum-cascade lasers. , 2010, , .		0
167	High resolution photocurrent imaging by atomic force microscopy on the example of single buried InAs quantum dots. Semiconductor Science and Technology, 2010, 25, 065010.	2.0	13
168	Light-induced tuning of quantum cascade lasers. , 2010, , .		0
169	Post-fabrication fine-tuning of photonic crystal quantum well infrared photodetectors. Applied Physics Letters, 2009, 94, 231117.	3.3	6
170	Photonic crystal mode terahertz lasers. Journal of Applied Physics, 2009, 105, 122404.	2.5	3
171	Resonant enhancement of second order sideband generation for intraexcitonic transitions in GaAs/AlGaAs multiple quantum wells. Applied Physics Letters, 2009, 94, 241105.	3.3	22
172	Strong Light-Matter Coupling in Subwavelength Metal-Dielectric Microcavities at Terahertz Frequencies. Physical Review Letters, 2009, 102, 186402.	7.8	171
173	Fano Signatures in the Intersubband Terahertz Response of Optically Excited Semiconductor Quantum Wells. Physical Review Letters, 2009, 102, 127403.	7.8	27
174	Online tuning of active photonic crystal quantum-cascade lasers. , 2009, , .		0
175	Midinfrared intersubband absorption in InGaAs/GaAsSb multiple quantum wells. Applied Physics Letters, 2009, 95, 041102.	3.3	15
176	Comparison between NEGF simulation and experimental results of Terahertz quantum cascade lasers. , 2009, , .		1
177	Determination of the wurtzite content and orientation distribution of nanowire ensembles. Materials Research Society Symposia Proceedings, 2009, 1206, 113901.	0.1	0
178	InGaAs/GaAsSb Heterostructures: Aluminum-Free Intersubband Devices. Materials Research Society Symposia Proceedings, 2009, 1195, 262.	0.1	0
179	Coherence and beam shaping in quantum cascade lasers. Proceedings of SPIE, 2009, , .	0.8	3
180	Quantum cascade laser utilising aluminium-free material system: InGaAs/GaAsSb lattice-matched to InP. Electronics Letters, 2009, 45, 1031.	1.0	31

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181	Growth of one-dimensional III-V structures on Si nanowires and pre-treated planar Si surfaces. Journal of Crystal Growth, 2009, 311, 1859-1862.	1.5	5
182	Improving size distribution of InAs quantum dots for intersubband devices. Journal of Crystal Growth, 2009, 311, 1799-1802.	1.5	1
183	Active photonic crystal terahertz laser. Optics Express, 2009, 17, 941.	3.4	90
184	Electrically controllable photonic molecule laser. Optics Express, 2009, 17, 20321.	3.4	16
185	Vertically emitting terahertz quantum cascade ring lasers. Applied Physics Letters, 2009, 95, .	3.3	47
186	Two color pump-probe studies of intraminiband relaxation in doped GaAs/AlGaAs superlattices. , 2009, , .		0
187	Fano profile in the intersubband terahertz response of photoexcited GaAs/AlGaAs quantum wells. Journal of Physics: Conference Series, 2009, 193, 012073.	0.4	1
188	A new aluminum-free material system for intersubband emitters and detectors. Journal of Physics: Conference Series, 2009, 193, 012065.	0.4	0
189	Monolithic photonic crystal quantum-cascade laser. Journal of Physics: Conference Series, 2009, 193, 012061.	0.4	0
190	Novel Thermal Tuning of Quantum Cascade Lasers Utilizing Thermo-chromic Claddings. , 2009, , .		1
191	Doping dependence of LO-phonon depletion scheme THz quantum-cascade lasers. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2008, 147, 152-155.	3.5	13
192	InAs/AlGaAs QDs for intersubband devices. Superlattices and Microstructures, 2008, 44, 411-415.	3.1	8
193	Independent control of InAs quantum dot density and size on Al _x Ga _{1-x} As surfaces. Journal of Materials Science: Materials in Electronics, 2008, 19, 714-719.	2.2	6
194	Ballistic electron mean free path of titanylphthalocyanine films grown on GaAs. Physica Status Solidi C: Current Topics in Solid State Physics, 2008, 5, 386-389.	0.8	0
195	Dynamical frequency pulling of degenerated and nondegenerated modes in small mode volume whispering-gallery terahertz quantum-cascade lasers. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1840-1843.	2.7	1
196	Terahertz Quantum Cascade Devices: From Intersubband Transition to Microcavity Laser. IEEE Journal of Selected Topics in Quantum Electronics, 2008, 14, 307-314.	2.9	2
197	InAs Quantum Dots on Al _x Ga _{1-x} As Surfaces and in an Al _x Ga _{1-x} As Matrix. , 2008, , 62-83.		0
198	Photocurrent response from photonic crystal defect modes. Optics Express, 2008, 16, 4797.	3.4	7

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199	Reversible switching of quantum cascade laser-modes using a pH-responsive polymeric cladding as transducer. <i>Optics Express</i> , 2008, 16, 8557.	3.4	9
200	Surface emission from epise-down short distributed-feedback quantum cascade lasers. <i>Optics Express</i> , 2008, 16, 11920.	3.4	17
201	Terahertz quantum-cascade lasers: Time domain spectroscopy and micro cavity effects. , 2008, , .		0
202	Quantum-cascade photonic crystal laser. , 2008, , .		0
203	Non-bandgap defect modes in the photoresponse of mid-IR photonic crystal detectors. <i>Journal of Physics Condensed Matter</i> , 2008, 20, 454219.	1.8	0
204	Ballistic electron attenuation length in titanylphthalocyanine films grown on GaAs. <i>Semiconductor Science and Technology</i> , 2008, 23, 055008.	2.0	1
205	Hybrid integration of GaAs quantum cascade lasers with Si substrates by thermocompression bonding. <i>Applied Physics Letters</i> , 2008, 92, 051117.	3.3	23
206	Two-color pump-probe studies of intraminiband relaxation in doped GaAs ⁺ AlGaAs superlattices. <i>Applied Physics Letters</i> , 2008, 92, 051104.	3.3	2
207	ÄErenkov-type phase-matched second-harmonic emission from GaAs ⁺ AlGaAs quantum-cascade lasers. <i>Applied Physics Letters</i> , 2008, 92, 111114.	3.3	7
208	Quantitative scanning capacitance microscopy on single subsurface InAs quantum dots. <i>Applied Physics Letters</i> , 2008, 92, .	3.3	8
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