Aaron Maxwell Andrews

List of Publications by Year
in descending order

266 papers	4,822 citations	117625 34 h-index	110387 64 g-index
267 all docs	267 docs citations	267 times ranked	4585 citing authors

#	Article	IF	Citations
1	Microcavity-Integrated Graphene Photodetector. Nano Letters, 2012, 12, 2773-2777.	9.1	753
2	Ultrastrong Light-Matter Coupling Regime with Polariton Dots. Physical Review Letters, 2010, 105, 196402.	7.8	358
3	Strong Light-Matter Coupling in Subwavelength Metal-Dielectric Microcavities at Terahertz Frequencies. Physical Review Letters, 2009, 102, 186402.	7.8	171
4	Optical properties of metal-dielectric-metal microcavities in the THz frequency range. Optics Express, 2010, 18, 13886.	3.4	156
5	Monolithically integrated mid-infrared lab-on-a-chip using plasmonics and quantum cascade structures. Nature Communications, 2014, 5, 4085.	12.8	155
6	Coherent injection locking of quantum cascade laser frequency combs. Nature Photonics, 2019, 13, 101-104.	31.4	116
7	Observation of the Intraexciton Autler-Townes Effect in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>GaAs</mml:mi><mml:mo>/</mml:mo><mml:mi>AlGaAs</mml:mi></mml:math>Semiconductor Quantum Wells. Physical Review Letters, 2010, 105, 167401.	7.8	113
8	Modeling cross-hatch surface morphology in growing mismatched layers. Journal of Applied Physics, 2002, 91, 1933-1943.	2.5	98
9	Active photonic crystal terahertz laser. Optics Express, 2009, 17, 941.	3.4	90
10	Random lasers for broadband directional emission. Optica, 2016, 3, 1035.	9.3	86
11	High power terahertz quantum cascade lasers with symmetric wafer bonded active regions. Applied Physics Letters, 2013, 103, .	3.3	77
12	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
13	Terahertz photonic crystal resonators in double-metal waveguides. Optics Express, 2007, 15, 12418.	3.4	72
14	Photonic crystal slab quantum well infrared photodetector. Applied Physics Letters, 2011, 98, .	3.3	62
15	Subwavelength micropillar array terahertz lasers. Optics Express, 2014, 22, 274.	3.4	62
16	Monolithic frequency comb platform based on interband cascade lasers and detectors. Optica, 2019, 6, 890.	9.3	61
17	Influence of doping on the performance of terahertz quantum-cascade lasers. Applied Physics Letters, 2007, 90, 101107.	3.3	59
18	Singular charge fluctuations at a magnetic quantum critical point. Science, 2020, 367, 285-288.	12.6	55

#	Article	IF	Citations
19	High performance InGaAs/GaAsSb terahertz quantum cascade lasers operating up to 142â€‰K. Applied Physics Letters, 2012, 101, 211117.	3.3	53
20	Terahertz microcavity quantum-cascade lasers. Applied Physics Letters, 2005, 87, 211112.	3.3	51
21	Diagonal-transition quantum cascade detector. Applied Physics Letters, 2014, 105, .	3.3	48
22	Vertically emitting terahertz quantum cascade ring lasers. Applied Physics Letters, 2009, 95, .	3.3	47
23	Terahertz quantum cascade lasers based on type II InGaAs/GaAsSb/InP. Applied Physics Letters, 2010, 97, 261110.	3.3	45
24	Gain and losses in THz quantum cascade laser with metal-metal waveguide. Optics Express, 2011, 19, 733.	3.4	45
25	Modeling crosshatch surface morphology in growing mismatched layers. Part II: Periodic boundary conditions and dislocation groups. Journal of Applied Physics, 2004, 95, 6032-6047.	2.5	41
26	Influence of the material parameters on quantum cascade devices. Applied Physics Letters, 2008, 93, 131108.	3.3	41
27	InAs based terahertz quantum cascade lasers. Applied Physics Letters, 2016, 108, .	3.3	40
28	A bi-functional quantum cascade device for same-frequency lasing and detection. Applied Physics Letters, 2012, 101, 191109.	3.3	39
29	Mid-infrared surface transmitting and detecting quantum cascade device for gas-sensing. Scientific Reports, 2016, 6, 21795.	3.3	38
30	Development of cross-hatch morphology during growth of lattice mismatched layers. Applied Physics Letters, 2000, 77, 3740-3742.	3.3	37
31	Detectivity enhancement in quantum well infrared photodetectors utilizing a photonic crystal slab resonator. Optics Express, 2012, 20, 5622.	3.4	37
32	Probing scattering mechanisms with symmetric quantum cascade lasers. Optics Express, 2013, 21, 7209.	3.4	35
33	InAs/AlAsSb based quantum cascade detector. Applied Physics Letters, 2015, 107, .	3.3	35
34	Barrier Height Tuning of Terahertz Quantum Cascade Lasers for High-Temperature Operation. ACS Photonics, 2018, 5, 4687-4693.	6.6	35
35	Subwavelength Microdisk and Microring Terahertz Quantum-Cascade Lasers. IEEE Journal of Quantum Electronics, 2007, 43, 687-697.	1.9	34
36	Terahertz Active Photonic Crystals for Condensed Gas Sensing. Sensors, 2011, 11, 6003-6014.	3.8	34

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37	Far-Infrared Quantum Cascade Lasers Operating in the AlAs Phonon Reststrahlen Band. ACS Photonics, 2016, 3, 2280-2284.	6.6	34
38	High-speed quantum cascade detector characterized with a mid-infrared femtosecond oscillator. Optics Express, 2021, 29, 5774.	3.4	34
39	43 Î¼m quantum cascade detector in pixel configuration. Optics Express, 2016, 24, 17041.	3.4	33
40	Thermoelectric-cooled terahertz quantum cascade lasers. Optics Express, 2019, 27, 20688.	3.4	33
41	Resonant metamaterial detectors based on THz quantum-cascade structures. Scientific Reports, 2014, 4, 4269.	3.3	32
42	Growth of branched single-crystalline GaAs whiskers on Si nanowire trunks. Nanotechnology, 2007, 18, 355306.	2.6	31
43	Quantum cascade laser utilising aluminium-free material system: InGaAs/GaAsSb lattice-matched to InP. Electronics Letters, 2009, 45, 1031.	1.0	31
44	Band structure mapping of photonic crystal intersubband detectors. Applied Physics Letters, 2006, 89, 151107.	3.3	30
45	Monolithically Integrated Mid-Infrared Quantum Cascade Laser and Detector. Sensors, 2013, 13, 2196-2205.	3.8	29
46	Ultrastrong coupling of intersubband plasmons and terahertz metamaterials. Applied Physics Letters, 2013, 103, .	3.3	28
47	Picosecond pulses from a mid-infrared interband cascade laser. Optica, 2019, 6, 1334.	9.3	28
48	Fano Signatures in the Intersubband Terahertz Response of Optically Excited Semiconductor Quantum Wells. Physical Review Letters, 2009, 102, 127403.	7.8	27
49	Comb operation in terahertz quantum cascade ring lasers. Optica, 2021, 8, 780.	9.3	27
50	Dopant migration effects in terahertz quantum cascade lasers. Applied Physics Letters, 2013, 102, 201102.	3.3	26
51	Sub-diffraction-limit semiconductor resonators operating on the fundamental magnetic resonance. Applied Physics Letters, 2012, 100, .	3.3	25
52	Polaritonic spectroscopy of intersubband transitions. Physical Review B, 2012, 86, .	3.2	24
53	Plasmonic lens enhanced mid-infrared quantum cascade detector. Applied Physics Letters, 2014, 105, 171112.	3.3	24
54	High performance bi-functional quantum cascade laser and detector. Applied Physics Letters, 2015, 107, .	3.3	24

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55	Nucleation of Ga droplets on Si and SiOxsurfaces. Nanotechnology, 2015, 26, 315601.	2.6	24
56	Hybrid integration of GaAs quantum cascade lasers with Si substrates by thermocompression bonding. Applied Physics Letters, 2008, 92, 051117.	3.3	23
57	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
58	High-Power Growth-Robust InGaAs/InAlAs Terahertz Quantum Cascade Lasers. ACS Photonics, 2017, 4, 957-962.	6.6	22
59	Linearly polarized light from substrate emitting ring cavity quantum cascade lasers. Applied Physics Letters, 2013, 103, 081101.	3.3	21
60	Remote Sensing with Commutable Monolithic Laser and Detector. ACS Photonics, 2016, 3, 1794-1798.	6.6	21
61	High-power, low-lateral divergence broad area quantum cascade lasers with a tilted front facet. Applied Physics Letters, 2014, 104, .	3.3	20
62	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
63	Photonic crystal slab quantum cascade detector. Applied Physics Letters, 2013, 103, .	3.3	19
64	Grating-based far field modifications of ring quantum cascade lasers. Optics Express, 2014, 22, 15829.	3.4	19
65	All-optical adaptive control of quantum cascade random lasers. Nature Communications, 2020, 11, 5530.	12.8	19
66	Broadband laser-based mid-infrared spectroscopy employing a quantum cascade detector for milk protein analysis. Sensors and Actuators B: Chemical, 2022, 350, 130873.	7.8	19
67	Coherence in Y-coupled quantum cascade lasers. Applied Physics Letters, 2007, 91, 161106.	3.3	18
68	In-based quantum dots on AlxGa1â˘xAs surfaces. Microelectronic Engineering, 2007, 84, 1443-1445.	2.4	18
69	Surface emission from episide-down short distributed-feedback quantum cascade lasers. Optics Express, 2008, 16, 11920.	3.4	17
70	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
71	The influence of whispering gallery modes on the far field of ring lasers. Scientific Reports, 2015, 5, 16668.	3.3	17
72	Ballistic electron transport through titanylphthalocyanine films. Applied Physics Letters, 2007, 90, 092107.	3.3	16

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73	Electrically controllable photonic molecule laser. Optics Express, 2009, 17, 20321.	3.4	16
74	Grating duty-cycle induced enhancement of substrate emission from ring cavity quantum cascade lasers. Applied Physics Letters, 2012, 100, .	3.3	16
75	Incorporation of Sb and As in MBE grown GaAsxSb1â^'x layers. APL Materials, 2017, 5, .	5.1	16
76	The limit of quantum cascade detectors: A single period device. Applied Physics Letters, 2017, 111, .	3.3	16
77	Midinfrared intersubband absorption in InGaAs/GaAsSb multiple quantum wells. Applied Physics Letters, 2009, 95, 041102.	3.3	15
78	On-chip focusing in the mid-infrared: Demonstrated with ring quantum cascade lasers. Applied Physics Letters, 2014, 104, .	3.3	15
79	Monolithically integrated mid-infrared sensor using narrow mode operation and temperature feedback. Applied Physics Letters, 2015, 106, .	3.3	14
80	Quantum cascade detector utilizing the diagonal-transition scheme for high quality cavities. Optics Express, 2015, 23, 6283.	3.4	14
81	Coherent 5.35Î¼m surface emission from a GaAs-based distributed feedback quantum-cascade laser. Applied Physics Letters, 2006, 88, 121104.	3.3	13
82	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
83	Wavelength dependent phase locking in quantum cascade laser Y-junctions. Applied Physics Letters, 2008, 92, 061110.	3.3	13
84	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
85	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
86	Growth rate dependence of boron incorporation into BxGa1â^'xAs layers. Journal of Crystal Growth, 2017, 477, 77-81.	1.5	12
87	Lateral oxidation kinetics of AlAsSb and related alloys lattice matched to InP. Journal of Applied Physics, 2001, 89, 2458-2464.	2.5	11
88	InGaAs/GaAsSb/InP terahertz quantum cascade lasers. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 374-385.	2.2	11
89	Evaluation of Material Systems for THz Quantum Cascade Laser Active Regions. Physica Status Solidi (A) Applications and Materials Science, 2019, 216, 1800504.	1.8	11
90	Second-harmonic generation in GaAs-based quantum-cascade lasers. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 35, 234-240.	2.7	10

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91	Si doping of MBE grown bulk GaAsSb on InP. Journal of Crystal Growth, 2011, 323, 42-44.	1.5	10
92	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
93	GaAs/AlGaAs quantum cascade lasers with dry etched semiconductorâ€"air Bragg reflectors. Journal of Modern Optics, 2005, 52, 2303-2308.	1.3	9
94	Single InAs/GaAs quantum dots: Photocurrent and cross-sectional AFM analysis. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 183-186.	2.7	9
95	Reversible switching of quantum cascade laser-modes using a pH-responsive polymeric cladding as transducer. Optics Express, 2008, 16, 8557.	3.4	9
96	Higher order modes in photonic crystal slabs. Optics Express, 2011, 19, 15990.	3.4	9
97	Terahertz nonlinear optics using intraâ€excitonic quantum well transitions: Sideband generation and AC Stark splitting. Physica Status Solidi (B): Basic Research, 2011, 248, 859-862.	1.5	9
98	Enhanced light output power of quantum cascade lasers from a tilted front facet. Optics Express, 2013, 21, 15869.	3.4	9
99	Nano-patterning and growth of self-assembled quantum dots. Microelectronics Journal, 2006, 37, 1532-1534.	2.0	8
100	InAs/AlGaAs QDs for intersubband devices. Superlattices and Microstructures, 2008, 44, 411-415.	3.1	8
101	Quantitative scanning capacitance microscopy on single subsurface InAs quantum dots. Applied Physics Letters, 2008, 92, .	3.3	8
102	THz quantum cascade lasers with wafer bonded active regions. Optics Express, 2012, 20, 23832.	3.4	8
103	Focused ion beam implantation for the nucleation of self-catalyzed III-V nanowires. Microelectronic Engineering, 2017, 177, 93-97.	2.4	8
104	Color switching of a terahertz quantum cascade laser. Applied Physics Letters, 2019, 114, 191104.	3.3	8
105	Terahertz optical machine learning for object recognition. APL Photonics, 2020, 5, .	5.7	8
106	Surface emitting ring quantum cascade lasers for chemical sensing. Optical Engineering, 2017, 57, 1.	1.0	8
107	Silicon integrated terahertz quantum cascade ring laser frequency comb. Applied Physics Letters, 2022, 120, .	3.3	8
108	Microcavity THz quantum cascade laser. Physica E: Low-Dimensional Systems and Nanostructures, 2006, 32, 316-319.	2.7	7

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109	Photocurrent response from photonic crystal defect modes. Optics Express, 2008, 16, 4797.	3.4	7
110	ÄŒerenkov-type phase-matched second-harmonic emission from GaAsâˆ•AlGaAs quantum-cascade lasers. Applied Physics Letters, 2008, 92, 111114.	3.3	7
111	Nonparabolicity effects in InGaAs/GaAsSb double barrier resonant tunneling diodes. Journal of Applied Physics, 2010, 108, 073707.	2.5	7
112	Electrical beam steering of Y-coupled quantum cascade lasers. Applied Physics Letters, 2010, 96, .	3.3	7
113	Enhanced Crystal Quality of AlxIn1-xAsySb1-y for Terahertz Quantum Cascade Lasers. Photonics, 2016, 3, 20.	2.0	7
114	Ring quantum cascade lasers with twisted wavefronts. Scientific Reports, 2018, 8, 7998.	3.3	7
115	Thermal-Dynamics Optimization of Terahertz Quantum Cascade Lasers with Different Barrier Compositions. Physical Review Applied, 2020, 14, .	3.8	7
116	Resonant tunneling diodes strongly coupled to the cavity field. Applied Physics Letters, 2020, 116, .	3.3	7
117	2.7 <i>Î¼</i> m quantum cascade detector: Above band gap energy intersubband detection. Applied Physics Letters, 2022, 120, .	3.3	7
118	Self organized InAs quantum dots grown on patterned GaAs substrates. Microelectronic Engineering, 2006, 83, 1573-1576.	2.4	6
119	Independent control of InAs quantum dot density and size on AlxGa1â€“xAs surfaces. Journal of Materials Science: Materials in Electronics, 2008, 19, 714-719.	2.2	6
120	Post-fabrication fine-tuning of photonic crystal quantum well infrared photodetectors. Applied Physics Letters, 2009, 94, 231117.	3.3	6
121	Optimized photonic crystal design for quantum well infrared photodetectors. Proceedings of SPIE, 2012, , .	0.8	6
122	From Photonic Crystal to Subwavelength Micropillar Array Terahertz Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 780-791.	2.9	6
123	Deep learning control of THz QCLs. Optics Express, 2021, 29, 23611.	3.4	6
124	Monolithic Machâ€“Zehnder-type quantum cascade laser. Journal of Applied Physics, 2008, 104, 063110.	2.5	5
125	Growth of one-dimensional IIIâ€“V structures on Si nanowires and pre-treated planar Si surfaces. Journal of Crystal Growth, 2009, 311, 1859-1862.	1.5	5
126	Magnetic control of Coulomb scattering and terahertz transitions among excitons. Physical Review B, 2014, 89, .	3.2	5

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127	Scattering strength dependence of terahertz random lasers. Journal of Applied Physics, 2019, 125, 151611.	2.5	5
128	X-ray investigation of quantum well intermixing after postgrowth rapid thermal processing. Journal Physics D: Applied Physics, 2005, 38, A132-A136.	2.8	4
129	Optimization of MBE Growth Parameters for GaAs-based THz Quantum Cascade Lasers. AIP Conference Proceedings, 2007, , .	0.4	4
130	Improved InGaAs/GaAsSb quantum cascade laser active region designs. Journal of Modern Optics, 2011, 58, 2015-2020.	1.3	4
131	All-Electrical Thermal Monitoring of Terahertz Quantum Cascade Lasers. IEEE Photonics Technology Letters, 2014, 26, 1470-1473.	2.5	4
132	Spectrally resolved far-fields of terahertz quantum cascade lasers. Optics Express, 2016, 24, 25462.	3.4	4
133	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
134	Strain relaxation of InGaAs by lateral oxidation of AlAs. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2000, 18, 2066.	1.6	3
135	Antimony segregation in the oxidation of AlAsSb interlayers. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2003, 21, 1883-1891.	2.1	3
136	High-quality MBE growth of AlÏ‡Ga1-Ï‡ As-based THz quantum cascade lasers. Open Physics, 2007, 5, .	1.7	3
137	Photonic crystal mode terahertz lasers. Journal of Applied Physics, 2009, 105, 122404.	2.5	3
138	Coherence and beam shaping in quantum cascade lasers. Proceedings of SPIE, 2009, , .	0.8	3
139	Light induced tuning of quantum cascade lasers. Applied Physics Letters, 2010, 97, 051106.	3.3	3
140	Superconducting Microdisk Cavities for THz Quantum Cascade Lasers. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 550-555.	3.1	3
141	Towards nanowire-based terahertz quantum cascade lasers: prospects and technological challenges. Proceedings of SPIE, 2013, , .	0.8	3
142	InGaAs/GaAsSb based two-dimensional electron gases. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2014, 32, 02C104.	1.2	3
143	Characterizing intra-exciton Coulomb scattering in terahertz excitations. Applied Physics Letters, 2014, 105, 201109.	3.3	3
144	Coupled cavity terahertz quantum cascade lasers with integrated emission monitoring. Optics Express, 2015, 23, 3581.	3.4	3

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145	Sub-wavelength terahertz quantum-cascade laser resonators. , 2006, , .		2
146	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
147	Two-color pump-probe studies of intraminiband relaxation in doped GaAsâˆ•AlGaAs superlattices. Applied Physics Letters, 2008, 92, 051104.	3.3	2
148	Nonspin related giant magnetoresistance â‰600% in hybrid field-effect transistors with ferromagnetic gates. Applied Physics Letters, 2010, 97, 063108.	3.3	2
149	Photonic bandstructure engineering of THz quantum-cascade lasers. Applied Physics Letters, 2011, 99, 201103.	3.3	2
150	THz Quantum Cascade Lasers. , 2018, , 597-624.		2
151	Influence of Boron Antisite Defects on the Electrical Properties of MBEâ€Grown GaAs Nanowires. Physica Status Solidi (B): Basic Research, 2019, 256, 1800368.	1.5	2
152	Microcavity terahertz quantum-cascade laser. , 2005, 6010, 36.		1
153	Second-harmonic generation in three-well and bound-to-continuum GaAs-based quantum-cascade lasers. Applied Physics B: Lasers and Optics, 2006, 85, 231-234.	2.2	1
154	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
155	Ballistic electron attenuation length in titanylphthalocyanine films grown on GaAs. Semiconductor Science and Technology, 2008, 23, 055008.	2.0	1
156	Comparison between NEGF simulation and experimental results of Terahertz quantum cascade lasers. , 2009, , .		1
157	Improving size distribution of InAs quantum dots for intersubband devices. Journal of Crystal Growth, 2009, 311, 1799-1802.	1.5	1
158	Fano profile in the intersubband terahertz response of photoexcited GaAs/AlGaAs quantum wells. Journal of Physics: Conference Series, 2009, 193, 012073.	0.4	1
159	An aluminum-free mid-infrared quantum cascade laser. , 2010, , .		1
160	AFMâ€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
161	Fano effect due to ponderomotive coupling in intersubband response of semiconductor quantum wells. Physical Review B, 2012, 86, .	3.2	1
162	Schottky diode formation in GaAs nanowires by heterogeneous contact deposition. Materials Today: Proceedings, 2017, 4, 7101-7106.	1.8	1

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163	Suppression of axial growth by boron incorporation in GaAs nanowires grown by self-catalyzed molecular beam epitaxy. Nanotechnology, 2019, 30, 065602.	2.6	1
164	Novel Thermal Tuning of Quantum Cascade Lasers Utilizing Thermochromic Claddings. , 2009, , .		1
165	Reactive removal of misfit dislocations from InGaAs on GaAs by lateral oxidation. Applied Physics Letters, 2000, 77, 845-847.	3.3	0
166	Crosshatch surface morphology in mismatched films. , 0, , .		0
167	Antimony segregation in the oxidation of strained AlAsSb interlayers. , 0, , .		0
168	Self Organized InAs Quantum Dots on Patterned GaAs Substrates. Materials Research Society Symposia Proceedings, 2005, 872, 1.	0.1	0
169	Intersubband nonlinearities in GaAs-based quantum cascade lasers. , 2006, , .		0
170	Surface emission of intracavity frequency-doubled light from quantum cascade lasers. , 2006, , .		0
171	Y-coupled GaAs quantum cascade lasers. , 2007, , .		0
172	Limits Of Strong Mode Confinement In Microdisk Terahertz Quantum-Cascade Lasers. , 2007, , .		0
173	Vertically emitting distributed-feedback quantum-cascade lasers. , 2007, , .		0
174	Photonic Crystal Infrared Photodetectors. , 2007, , .		0
175	Effects of doping on terahertz quantum-cascade lasers. , 2007, , .		0
176	Ultra-compact low threshold whispering-gallery terahertz quantum-cascade lasers. , 2007, , .		0
177	Limits of strong mode confinement in microdisk terahertz quantum-cascade lasers. , 2007, , .		0
178	Polarization Dependent Band Structure Mapping of Photonic Crystal Mid Infrared Photodetectors. , 2007, , .		0
179	Vertical Second-Harmonic Emission from Quantum Cascade Lasers. AIP Conference Proceedings, 2007, , .	0.4	0
180	"Single-Mode" Whispering-Gallery Terahertz Quantum-Cascade Lasers with Controlled Degeneracy. , 2007, , .		0

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181	Characterization of planar photonic crystals using a quantum well infrared photodetector. Physica Status Solidi (B): Basic Research, 2007, 244, 2916-2925.	1.5	0
182	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
183	InAs Quantum Dots on AlxGa1â^'xAs Surfaces and in an AlxGa1â^'xAs Matrix. , 2008, , 62-83.		0
184	Terahertz quantum-cascade lasers: Time domain spectroscopy and micro cavity effects. , 2008, , .		0
185	Quantum-cascade photonic crystal laser. , 2008, , .		0
186	Non-bandgap defect modes in the photoresponse of mid-IR photonic crystal detectors. Journal of Physics Condensed Matter, 2008, 20, 454219.	1.8	0
187	Nonlinear wave-mixing in twin-waveguide GaAs/AlGaAs quantum cascade lasers. Journal of Modern Optics, 2008, 55, 3211-3217.	1.3	0
188	Growth of GaAs whiskers by MBE on LPCVD Si(111) nanowire trunks. , 2008, , .		0
189	Terahertz photonic crystals. , 2008, , .		0
190	Coherent coupling of mid-infrared quantum cascade lasers. , 2008, , .		0
191	Room temperature capacitance imaging of single sub-surface InAs quantum dots. Journal of Physics: Conference Series, 2008, 109, 012032.	0.4	0
192	Reversible switching of QCL-modes using a pH-responsive polymeric cladding. , 2008, , .		0
193	Online tuning of active photonic crystal quantum-cascade lasers. , 2009, , .		0
194	Determination of the wurtzite content and orientation distribution of nanowire ensembles. Materials Research Society Symposia Proceedings, 2009, 1206, 113901.	0.1	0
195	InGaAs/GaAsSb Heterostructures: Aluminum-Free Intersubband Devices. Materials Research Society Symposia Proceedings, 2009, 1195, 262.	0.1	0
196	Two color pump-probe studies of intraminiband relaxation in doped GaAs/AlGaAs superlattices. , 2009, , .		0
197	A new aluminum-free material system for intersubband emitters and detectors. Journal of Physics: Conference Series, 2009, 193, 012065.	0.4	0
198	Monolithic photonic crystal quantum-cascade laser. Journal of Physics: Conference Series, 2009, 193, 012061.	0.4	0

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199	Microdisk THz quantum-cascade lasers with super-conducting cavities. Proceedings of SPIE, 2010, , .	0.8	0
200	Surface-emitting terahertz quantum cascade ring lasers. Proceedings of SPIE, 2010, , .	0.8	0
201	Ring resonator-based surface emitting quantum cascade lasers. Proceedings of SPIE, 2010, , .	0.8	0
202	Photonic crystal band edge and defect states in the spectral response of intersubband detectors. , 2010, , .		0
203	Intraminiband Relaxation In Doped GaAsâ˘•AlGaAs Superlattices Studied By Two-Color Infrared Pump-Probe Experiments. , 2010, , .		0
204	Phase-locking in Y-junction Quantum Cascade Lasers. , 2010, , .		0
205	Tuning Of Quantum Cascade Lasers Using Chromic Claddings. , 2010, , .		0
206	Intraexciton terahertz nonlinear optics in semiconductor quantum wells: Sideband generation and AC Stark splitting. , 2010, , .		0
207	Terahertz spectroscopy of double metal quantum cascade structures. , 2010, , .		0
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