

# Suraj P Khanna

## List of Publications by Year in descending order

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175  
papers

3,604  
citations

159358

30  
h-index

138251

58  
g-index

177  
all docs

177  
docs citations

177  
times ranked

2568  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrically pumped photonic-crystal terahertz lasers controlled by boundary conditions. <i>Nature</i> , 2009, 457, 174-178.	13.7	334
2	Designer spoof surface plasmon structures collimate terahertz laser beams. <i>Nature Materials</i> , 2010, 9, 730-735.	13.3	260
3	Terahertz quantum cascade lasers with copper metal-metal waveguides operating up to 178 K. <i>Optics Express</i> , 2008, 16, 3242.	1.7	194
4	Coherent sampling of active mode-locked terahertz quantum cascade lasers and frequency synthesis. <i>Nature Photonics</i> , 2011, 5, 306-313.	15.6	189
5	Terahertz imaging through self-mixing in a quantum cascade laser. <i>Optics Letters</i> , 2011, 36, 2587.	1.7	149
6	Terahertz imaging using quantum cascade lasers—a review of systems and applications. <i>Journal Physics D: Applied Physics</i> , 2014, 47, 374008.	1.3	141
7	Surface emitting terahertz quantum cascade laser with a double-metal waveguide. <i>Optics Express</i> , 2006, 14, 11672.	1.7	121
8	Efficient power extraction in surface-emitting semiconductor lasers using graded photonic heterostructures. <i>Nature Communications</i> , 2012, 3, 952.	5.8	120
9	High-Temperature Operation of Terahertz Quantum Cascade Laser Sources. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2009, 15, 952-967.	1.9	111
10	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. <i>Optics Express</i> , 2010, 18, 20799.	1.7	103
11	Swept-frequency feedback interferometry using terahertz frequency QCLs: a method for imaging and materials analysis. <i>Optics Express</i> , 2013, 21, 22194.	1.7	91
12	Ultrasensitive self-powered large area planar GaN UV-photodetector using reduced graphene oxide electrodes. <i>Applied Physics Letters</i> , 2016, 109, .	1.5	85
13	Terahertz amplifier based on gain switching in a quantum cascade laser. <i>Nature Photonics</i> , 2009, 3, 715-719.	15.6	68
14	Measurement of the intrinsic linewidth of terahertz quantum cascade lasers using a near-infrared frequency comb. <i>Optics Express</i> , 2012, 20, 25654.	1.7	68
15	Tunable hot-carrier photodetection beyond the bandgap spectral limit. <i>Nature Photonics</i> , 2014, 8, 412-418.	15.6	66
16	Demonstration of a self-mixing displacement sensor based on terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2011, 99, .	1.5	63
17	Phase-locking of a 25 THz quantum cascade laser to a frequency comb using a GaAs photomixer. <i>Optics Letters</i> , 2011, 36, 3969.	1.7	62
18	Limiting Factors to the Temperature Performance of THz Quantum Cascade Lasers Based on the Resonant-Phonon Depopulation Scheme. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2012, 2, 83-92.	2.0	59

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19	Absorption-sensitive diffuse reflection imaging of concealed powders using a terahertz quantum cascade laser. <i>Optics Express</i> , 2008, 16, 5997.	1.7	56
20	Wide-ridge metal-metal terahertz quantum cascade lasers with high-order lateral mode suppression. <i>Applied Physics Letters</i> , 2008, 92, .	1.5	46
21	Self-Mixing Interferometry With Terahertz Quantum Cascade Lasers. <i>IEEE Sensors Journal</i> , 2013, 13, 37-43.	2.4	46
22	Graded photonic crystal terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2010, 96, .	1.5	44
23	Dual-frequency imaging using an electrically tunable terahertz quantum cascade laser. <i>Optics Express</i> , 2009, 17, 20631.	1.7	42
24	High-contrast coherent terahertz imaging of porcine tissue via swept-frequency feedback interferometry. <i>Biomedical Optics Express</i> , 2014, 5, 3981.	1.5	41
25	Binary Multifunctional Ultrabroadband Self-Powered $\text{g}^{\text{III}}\text{N}^{\text{IV}}/\text{Si}$ Heterojunction High-Performance Photodetector. <i>Advanced Optical Materials</i> , 2018, 6, 1800191.	3.6	40
26	Terahertz inverse synthetic aperture radar imaging using self-mixing interferometry with a quantum cascade laser. <i>Optics Letters</i> , 2014, 39, 2629.	1.7	36
27	Emerging photoluminescence from bilayer large-area 2D MoS <sub>2</sub> films grown by pulsed laser deposition on different substrates. <i>Journal of Applied Physics</i> , 2017, 122, .	1.1	36
28	Electrically tunable terahertz quantum-cascade laser with a heterogeneous active region. <i>Applied Physics Letters</i> , 2009, 95, 181101.	1.5	33
29	Efficient prediction of terahertz quantum cascade laser dynamics from steady-state simulations. <i>Applied Physics Letters</i> , 2015, 106, .	1.5	32
30	GaAs/Al <sub>0.15</sub> Ga <sub>0.85</sub> As terahertz quantum cascade lasers with double-phonon resonant depopulation operating up to 172 K. <i>Applied Physics Letters</i> , 2010, 97, 131111.	1.5	31
31	Predictable surface emission patterns in terahertz photonic-crystal quantum cascade lasers. <i>Optics Express</i> , 2009, 17, 9491.	1.7	30
32	Terahertz plasmonics. <i>Electronics Letters</i> , 2010, 46, S52.	0.5	30
33	Superlattice electronic devices as high-performance oscillators between 60–220 GHz. <i>Applied Physics Letters</i> , 2010, 96, 072101.	1.5	30
34	Laser-seeding dynamics with few-cycle pulses: Maxwell-Bloch finite-difference time-domain simulations of terahertz quantum cascade lasers. <i>Physical Review A</i> , 2013, 87, .	1.0	30
35	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2013, 102, 031119.	1.5	29
36	Laser Feedback Interferometry as a Tool for Analysis of Granular Materials at Terahertz Frequencies: Towards Imaging and Identification of Plastic Explosives. <i>Sensors</i> , 2016, 16, 352.	2.1	27

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37	Mode-locking of a terahertz laser by direct phase synchronization. <i>Optics Express</i> , 2012, 20, 20855.	1.7	25
38	Electrically pumped semiconductor laser with monolithic control of circular polarization. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E5623-32.	3.3	25
39	Terahertz time domain spectroscopy of phonon-depopulation based quantum cascade lasers. <i>Applied Physics Letters</i> , 2009, 94, 251108.	1.5	24
40	Terahertz ambipolar dual-wavelength quantum cascade laser. <i>Optics Express</i> , 2009, 17, 19926.	1.7	23
41	Continuous-wave coherent imaging with terahertz quantum cascade lasers using electro-optic harmonic sampling. <i>Applied Physics Letters</i> , 2013, 102, .	1.5	23
42	Vertical subwavelength mode confinement in terahertz and mid-infrared quantum cascade lasers. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	22
43	On-chip terahertz Goubau-line waveguides with integrated photoconductive emitters and mode-discriminating detectors. <i>Applied Physics Letters</i> , 2009, 95, .	1.5	21
44	Measuring the sampling coherence of a terahertz quantum cascade laser. <i>Optics Express</i> , 2012, 20, 16662.	1.7	21
45	Generation of Bessel beams using a terahertz quantum cascade laser. <i>Optics Letters</i> , 2009, 34, 1030.	1.7	19
46	Long-Term, High-Voltage, and High-Temperature Stable Dual-Mode, Low Dark Current Broadband Ultraviolet Photodetector Based on Solution-Cast rGO on MBE-Grown Highly Resistive GaN. <i>Advanced Optical Materials</i> , 2019, 7, 1900340.	3.6	19
47	The growth and measurement of terahertz quantum cascade lasers. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008, 40, 1859-1861.	1.3	17
48	Optimized surface-emitting photonic-crystal terahertz quantum cascade lasers with reduced resonator dimensions. <i>Applied Physics Letters</i> , 2010, 97, 131101.	1.5	17
49	Large bandgap reduced graphene oxide (rGO) based $n-p$ heterojunction photodetector with improved NIR performance. <i>Semiconductor Science and Technology</i> , 2018, 33, 045012.	1.0	17
50	Electronic structure of the PLD grown mixed phase MoS <sub>2</sub> /GaN interface and its thermal annealing effect. <i>Current Applied Physics</i> , 2018, 18, 170-177.	1.1	17
51	Solution-Processed-2D on 3D Heterojunction UV-Visible Photodetector for Low-Light Applications. <i>ACS Applied Electronic Materials</i> , 2019, 1, 1489-1497.	2.0	17
52	Impurity bound-to-unbound terahertz sensors based on beryllium and silicon $\delta$ -doped GaAs/AlAs multiple quantum wells. <i>Applied Physics Letters</i> , 2008, 92, 053503.	1.5	16
53	Model for a pulsed terahertz quantum cascade laser under optical feedback. <i>Optics Express</i> , 2016, 24, 20554.	1.7	16
54	Radiative recombination spectra of p-type $\delta$ -doped GaAs/AlAs multiple quantum wells near the Mott transition. <i>Journal of Applied Physics</i> , 2008, 103, 123108.	1.1	14

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55	Effect of transverse mode structure on the far field pattern of metal-metal terahertz quantum cascade lasers. <i>Journal of Applied Physics</i> , 2008, 104, 124513.	1.1	14
56	Terahertz quantum cascade lasers with thin resonant-phonon depopulation active regions and surface-plasmon waveguides. <i>Journal of Applied Physics</i> , 2013, 113, 113110.	1.1	14
57	Impact of disorder on frequency scaling in the integer quantum Hall effect. <i>Physical Review B</i> , 2011, 84, .	1.1	13
58	Low temperature near-field scanning optical microscopy on infrared and terahertz photonic-crystal quantum cascade lasers. <i>Applied Physics Letters</i> , 2011, 98, .	1.5	13
59	Terahertz radar cross-section characterisation using laser feedback interferometry with quantum cascade laser. <i>Electronics Letters</i> , 2015, 51, 1774-1776.	0.5	12
60	Direct measurement of interfacial Dzyaloshinskii-Moriya interaction at the MoS <sub>2</sub> /Ni <sub>80</sub> Fe <sub>20</sub> interface. <i>Applied Physics Letters</i> , 2020, 116, .	1.5	12
61	Photovoltaic infrared detection with p-type graded barrier heterostructures. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	11
62	Polarized photoreflectance and photoluminescence spectroscopy of InGaAs/GaAs quantum rods grown with As <sub>2</sub> and As <sub>4</sub> sources. <i>Nanoscale Research Letters</i> , 2012, 7, 609.	3.1	11
63	Transient Analysis of THz-QCL Pulses Using NbN and YBCO Superconducting Detectors. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2013, 3, 172-179.	2.0	11
64	Spectral engineering of terahertz quantum cascade lasers using focused ion beam etched photonic lattices. <i>Electronics Letters</i> , 2006, 42, 404.	0.5	10
65	Stabilization and mode locking of terahertz quantum cascade lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 8501011-8501011.	1.9	10
66	Spectral Properties of THz Quantum-Cascade Lasers: Frequency Noise, Phase-Locking and Absolute Frequency Measurement. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2013, 34, 342-356.	1.2	9
67	Extended wavelength infrared photodetectors. <i>Optical Engineering</i> , 2017, 56, 091605.	0.5	9
68	Mixed Phase Compositions of MoS <sub>2</sub> Ultra Thin Film Grown by Pulsed Laser Deposition. <i>Materials Today: Proceedings</i> , 2018, 5, 2241-2245.	0.9	9
69	Determining Ethanol Content of Liquid Solutions Using Laser Feedback Interferometry with a Terahertz Quantum Cascade Laser. , 2018, 2, 1-4.		9
70	Non-universality of scaling exponents in quantum Hall transitions. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 475801.	0.7	7
71	Edge-contact large area hetero-structure fast photodetector utilizing two-dimensional r-GO on three-dimensional GaN material interface. <i>Sensors and Actuators A: Physical</i> , 2020, 303, 111720.	2.0	7
72	MBE growth and transport properties of silicon $\delta$ -doped GaAs/AlAs quantum well structures for terahertz frequency detection. <i>Journal of Crystal Growth</i> , 2010, 312, 1761-1765.	0.7	6

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73	Effects of using As <sub>2</sub> and As <sub>4</sub> on the optical properties of InGaAs quantum rods grown by molecular beam epitaxy. Journal of Applied Physics, 2010, 108, 103522.	1.1	6
74	Measurement and analysis of the diffuse reflectance of powdered samples at terahertz frequencies using a quantum cascade laser. Journal of Chemical Physics, 2011, 134, 134304.	1.2	6
75	Resonant-phonon depopulation terahertz quantum cascade lasers and their application in spectroscopic imaging. Semiconductor Science and Technology, 2012, 27, 094004.	1.0	6
76	Direct observation of spin-orbit splitting and phonon-assisted optical transitions in the valence band by internal photoemission spectroscopy. Physical Review B, 2013, 88, .	1.1	6
77	Wavelength-extended photovoltaic infrared photodetectors. Applied Physics Letters, 2014, 104, .	1.5	6
78	Photoreflectance and photoluminescence studies of epitaxial InGaAs quantum rods grown with As <sub>2</sub> and As <sub>4</sub> sources. Journal of Applied Physics, 2011, 109, .	1.1	5
79	Integrated injection seeded terahertz source and amplifier for time-domain spectroscopy. Optics Letters, 2012, 37, 731.	1.7	5
80	Time-resolved measurement of pulse-to-pulse heating effects in a terahertz quantum cascade laser using an NbN superconducting detector. Applied Physics Letters, 2013, 103, .	1.5	5
81	Low-frequency noise properties of beryllium $\delta$ -doped GaAs/AlAs quantum wells near the Mott transition. Journal of Applied Physics, 2013, 113, 083707.	1.1	5
82	Analysis of Extended Threshold Wavelength Photoresponse in Nonsymmetrical p-GaAs/AlGaAs Heterostructure Photodetectors. IEEE Journal of Selected Topics in Quantum Electronics, 2018, 24, 1-7.	1.9	5
83	Dopant Migration-Induced Interface Dipole Effect in n-Doped GaAs/AlGaAs Terahertz Detectors. IEEE Electron Device Letters, 2008, 29, 1090-1093.	2.2	4
84	Diffuse-Reflectance Spectroscopy Using a Frequency-Switchable Terahertz Quantum Cascade Laser. IEEE Transactions on Terahertz Science and Technology, 2016, 6, 341-347.	2.0	4
85	Accuracy of activation energy from Arrhenius plots and temperature-dependent internal photoemission spectroscopy. Infrared Physics and Technology, 2019, 102, 103026.	1.3	4
86	Monolithic integration of low-temperature-grown GaAs with a two-dimensional electron gas. Semiconductor Science and Technology, 2007, 22, 811-813.	1.0	3
87	Mid-infrared photodetectors operating over an extended wavelength range up to 90 K. Optics Letters, 2016, 41, 285.	1.7	3
88	The impact of RF-plasma power in carrier relaxation dynamics of unintentional doped GaN epitaxial layers grown by MBE. Optical Materials, 2016, 54, 26-31.	1.7	3
89	Terahertz Detection with $\delta$ -Doped GaAs/AlAs Multiple Quantum Wells. Acta Physica Polonica A, 2008, 113, 909-912.	0.2	3
90	<title>Formation of low energy tails in silicon $\delta$ -doped GaAs/AlAs multiple quantum wells</title>. , 2006, , .		2

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91	Effect of ion implantation on quantum well infrared photodetectors. Infrared Physics and Technology, 2007, 50, 106-112.	1.3	2
92	Exploration of Trap Levels in GaN and Al <sub>0.2</sub> Ga <sub>0.8</sub> N Layers by Temperature-Dependent Photoconductivity Measurement. Materials Today: Proceedings, 2018, 5, 2132-2138.	0.9	2
93	Growth and Characterization of Plasma Assisted MBE Grown GaN Films at Different Plasma Powers. Advanced Science Letters, 2014, 20, 1401-1405.	0.2	2
94	Terahertz Quantum Cascade Lasers with Integrated Plasmonic Collimators. , 2010, , .		2
95	Diffuse reflection imaging at terahertz frequencies for security applications. Proceedings of SPIE, 2007, , .	0.8	1
96	Effect of emitter thickness on the spectral shape of heterojunction interfacial workfunction internal photoemission detectors. Journal of Applied Physics, 2009, 106, 014509.	1.1	1
97	Dual-frequency imaging using an electrically tunable terahertz quantum cascade laser. , 2009, , .		1
98	Photonic Crystal THz Lasers with Controllable Surface Emission Patterns. Optics and Photonics News, 2009, 20, 37.	0.4	1
99	Effects of graded barriers on the operation of split-off band infrared detectors. Infrared Physics and Technology, 2011, 54, 296-301.	1.3	1
100	Electronic structure and optical anisotropy of InGaAs quantum rods studied by photoreflectance and photoluminescence. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 1640-1642.	0.8	1
101	Self-mixing effect in THz quantum cascade lasers: Applications in sensing and imaging. , 2013, , .		1
102	Mode-locked terahertz quantum cascade laser by direct phase synchronization. AIP Conference Proceedings, 2013, , .	0.3	1
103	Hot-carrier photodetector beyond spectral limit. , 2013, , .		1
104	Phase-locking of surface-emitting THz quantum cascade laser arrays. Proceedings of SPIE, 2013, , .	0.8	1
105	Terahertz frequency quantum cascade lasers: Optical feedback effects and applications. , 2016, , .		1
106	Infrared photodetector with wavelength extension beyond the spectral limit. Proceedings of SPIE, 2016, , .	0.8	1
107	Radiative Recombination Spectra of Heavily p-Type $\delta$ -Doped GaAs/AlAs MQWs. Acta Physica Polonica A, 2008, 113, 963-966.	0.2	1
108	Photoreflectance of Epitaxial InGaAs Quantum Rods. Acta Physica Polonica A, 2011, 119, 164-166.	0.2	1

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109	ReWORM Memory Effect in PET-Metal Fiber-Based Electroconductive Yarn. IEEE Transactions on Electron Devices, 2022, 69, 4236-4240.	1.6	1
110	<title>GaAs/AlAs quantum wells for selective terahertz sensing: study by differential surface photovoltage spectroscopy</title>. , 2006, , .		0
111	<title>Optical and terahertz spectroscopy of doped GaAs/AlAs quantum wells</title>. , 2006, , .		0
112	Modal perturbation of terahertz quantum cascade lasers. , 2006, , .		0
113	Cyclotron absorption in two-dimensional electron systems monitored by terahertz time-domain spectroscopy. , 2007, , .		0
114	Evanescent-field Terahertz time-domain microscopy. , 2007, , .		0
115	Low-Divergence Surface-Emitting Terahertz Quantum Cascade Lasers. , 2007, , .		0
116	Sub-wavelength imaging of terahertz dielectric permittivity using planar resonant circuits. , 2008, , .		0
117	Terahertz vibrational absorption resonances observed using on-chip terahertz circuits. , 2008, , .		0
118	Terahertz frequency quantum cascade lasers operating up to 178 K with copper metal-metal waveguides. , 2008, , .		0
119	Wide ridge low-divergence metal-metal terahertz quantum cascade lasers. , 2008, , .		0
120	Terahertz goubau waveguides with integrated photoconductive emitters and mode discriminating detectors. , 2009, , .		0
121	Terahertz Sensing Based on Impurity Transitions in delta-doped GaAs/AlAs Multiple Quantum Wells. , 2010, , .		0
122	Multiple-frequency imaging using a terahertz quantum cascade laser. , 2010, , .		0
123	Self-mixing interferometry with a terahertz Quantum Cascade Laser: Feedback induced voltage signal. , 2010, , .		0
124	Terahertz quantum cascade lasers with angled facets for monolithic integration. , 2010, , .		0
125	Gain switching of a terahertz quantum cascade laser for THz pulse amplification. , 2010, , .		0
126	Gain studies of phonon-depopulation based terahertz quantum cascade lasers using terahertz time domain spectroscopy. , 2010, , .		0



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127	Injection-locking of terahertz quantum cascade lasers up to 35GHz via RF amplitude modulation. , 2010, , .		0
128	Phase-locking of 2.4 and 2.7 terahertz quantum cascade lasers to a femtosecond mode-locked Er-fiber laser. , 2010, , .		0
129	GaAs/Al<math>\text{inf}>0.15</math>/<math>\text{inf}>Ga<math>\text{inf}>0.85</math>/<math>\text{inf}>As terahertz quantum cascade lasers with double-phonon resonant depopulation operating up to 172 K. , 2011, , .		0
130	Intersubband Raman laser for operation in terahertz. , 2011, , .		0
131	Terahertz sensing and imaging using a quantum cascade laser. , 2011, , .		0
132	Terahertz Time Domain Spectroscopy of Phonon-Depopulation Based Quantum Cascade Lasers. AIP Conference Proceedings, 2011, , .	0.3	0
133	Vertical Sub-Wavelength Mode Confinement in THz Quantum Cascade Lasers. , 2011, , .		0
134	Room temperature photovoltaic response of split-off band infrared detectors with a graded barrier. , 2011, , .		0
135	Terahertz Amplifier Based On Gain Switching In a Quantum Cascade Laser. AIP Conference Proceedings, 2011, , .	0.3	0
136	Coherent detection of an active mode-locked terahertz quantum cascade laser. , 2011, , .		0
137	Photonic heterostructures: A new concept for high power surface emission in THz quantum cascade lasers. , 2011, , .		0
138	Ultrafast gain switching of THz quantum cascade lasers. Proceedings of SPIE, 2011, , .	0.8	0
139	Active-mode-locked terahertz quantum cascade lasers. , 2011, , .		0
140	Ultra-fast sampling of terahertz pulses from a quantum cascade laser using superconducting antenna-coupled NbN and YBCO detectors. , 2012, , .		0
141	Thermo-optic detection of quantum cascade laser radiation in the range &#x223C;2.2&#x2013;2.9THz using a ZnTe crystal. , 2012, , .		0
142	Single-mode narrow beam divergence surface-emitting concentric-circular-grating terahertz quantum cascade lasers. , 2012, , .		0
143	Phase Modelocking of a Terahertz quantum cascade laser. , 2012, , .		0
144	High power extraction in (THz) surface-emitting lasers using type-II photonic heterostructures. , 2012, , .		0

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145	Graded-barrier heterostructures for photovoltaic split-off infrared detection. , 2012, , .		0
146	Time domain measurements of the sampling coherence of a terahertz quantum cascade laser. , 2012, , .		0
147	Injection seeding dynamics of THz quantum cascade lasers. , 2012, , .		0
148	Self-mixing signals in terahertz lasers. , 2012, , .		0
149	Terahertz and mid-infrared photoexpansion nanospectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
150	Photothermoelastic response of zincblende crystals to radiation from a THz-frequency quantum cascade laser. , 2013, , .		0
151	Transient analysis of substrate heating effects in a terahertz quantum cascade laser using an ultrafast NbN superconducting detector. , 2013, , .		0
152	Phase-locked arrays of surface-emitting terahertz distributed feedback quantum cascade lasers. , 2013, , .		0
153	Detection of terahertz frequency radiation via the photothermoelastic response of zincblende crystals. Journal of the Optical Society of America B: Optical Physics, 2013, 30, 3151.	0.9	0
154	Comparative optical study of epitaxial InGaAs quantum rods grown with As[sub 2] and As[sub 4] sources. , 2013, , .		0
155	Photoreflectance and photoluminescence study of InAs dots-in-a-well nanostructures. , 2013, , .		0
156	Spectroscopic analysis of powders through diffuse-reflectance imaging using a frequency-switchable terahertz quantum cascade laser. , 2013, , .		0
157	A QCL model with integrated thermal and stark rollover mechanisms. , 2014, , .		0
158	Switching circuit to improve the frequency modulation difference-intensity THz quantum cascade laser imaging. AIP Conference Proceedings, 2015, , .	0.3	0
159	Tunable hot-carrier photodetector. , 2015, , .		0
160	Terahertz quantum cascade laser bandwidth prediction. , 2015, , .		0
161	FOCUSED BEAM BROFILING FROM A TERAHERTZ QUANTUM CASCADE LASER. Jurnal Teknologi (Sciences) Tj ETQq1_1 0.784314 rgBT 0.3 0		0
162	Low-frequency noise properties of p-type GaAs/AlGaAs heterojunction detectors. Infrared Physics and Technology, 2016, 78, 99-104.	1.3	0

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163	Effect of substrate nitridation temperature on the persistent photoconductivity of unintentionally-doped GaN layer grown by PAMBE. AIP Conference Proceedings, 2016, , .	0.3	0
164	Delta-doped GaAs/AlAs multiple quantum wells: Study by optical and terahertz techniques. AIP Conference Proceedings, 2007, , .	0.3	0
165	Terahertz quantum cascade lasers operating up to 178 K with copper metal-metal waveguides. , 2008, , .		0
166	Surface-Emitting Photonic Crystal Terahertz Semiconductor Lasers. , 2009, , .		0
167	Low divergence, single-lobed, surface emission from THz photonic-crystal quantum cascade lasers. , 2009, , .		0
168	Terahertz amplifier based on gain switching in a quantum cascade laser. , 2010, , .		0
169	Terahertz time domain spectroscopy of phonondepopulation based quantum cascade lasers. , 2010, , .		0
170	Integrated injection seeded THz source and amplifier for time-domain spectroscopy. , 2012, , .		0
171	Optical wavelength shifting using resonant non-linearities in THz quantum cascade lasers. , 2012, , .		0
172	Time-domain measurements of the sampling coherence of a quantum cascade laser. , 2012, , .		0
173	Coherent THz imaging using the self-mixing effect in quantum cascade lasers. , 2014, , .		0
174	Enhanced Photodetection in Visible Region in rGO/GaN Based Hybrid Photodetector. Springer Proceedings in Physics, 2019, , 3-6.	0.1	0
175	Broadband Photodetector with Lateral n-rGO/p+Si Heterojunction. Springer Proceedings in Physics, 2019, , 99-104.	0.1	0