

Edmund H Linfield

List of Publications by Year in descending order

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616
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times ranked

10664
citing authors

#	ARTICLE	IF	CITATIONS
1	10 Gbit s ⁻¹ Free Space Data Transmission at 9 μ m Wavelength With Unipolar Quantum Optoelectronics. Laser and Photonics Reviews, 2022, 16, .	4.4	35
2	Independent Control of Mode Selection and Power Extraction in Terahertz Semiconductor Lasers. ACS Photonics, 2022, 9, 1973-1983.	3.2	1
3	Self-Induced Phase Locking of Terahertz Frequency Combs in a Phase-Sensitive Hyperspectral Near-Field Nanoscope. Advanced Science, 2022, 9, .	5.6	16
4	Broadband Terahertz Gas Spectroscopy Through Multimode Self-Mixing in a Quantum Cascade Laser. NATO Science for Peace and Security Series B: Physics and Biophysics, 2021, , 35-44.	0.2	1
5	Monolithic Patch-Antenna THz Lasers with Extremely Low Beam Divergence and Polarization Control. ACS Photonics, 2021, 8, 412-417.	3.2	7
6	Observation of optical feedback dynamics in single-mode terahertz quantum cascade lasers: Transient instabilities. Physical Review A, 2021, 103, .	1.0	19
7	Millimeter wave photonics with terahertz semiconductor lasers. Nature Communications, 2021, 12, 1427.	5.8	31
8	All-Electronic Phase-Resolved THz Microscopy Using the Self-Mixing Effect in a Semiconductor Laser. ACS Photonics, 2021, 8, 1001-1006.	3.2	7
9	Femtosecond Broadband Frequency Switch of Terahertz Three-Dimensional Meta-Atoms. ACS Photonics, 2021, 8, 1097-1102.	3.2	7
10	Terahertz magnetoplasmon resonances in coupled cavities formed in a gated two-dimensional electron gas. Optics Express, 2021, 29, 12958.	1.7	4
11	Chip-Scale Terahertz Frequency Combs through Integrated Intersubband Polariton Bleaching. Laser and Photonics Reviews, 2021, 15, 2000575.	4.4	6
12	Coherent terahertz microscopy of modal field distributions in micro-resonators. APL Photonics, 2021, 6, .	3.0	14
13	Reshaping the emission of a THz quantum cascade laser frequency comb through an on-chip graphene modulator. , 2021, , .		0
14	Sub-picosecond broadband frequency modulation of terahertz three-dimensional meta-atoms. , 2021, , .		0
15	Sub-surface damage detection in marble structures using THz time domain and laser feedback interferometric imaging techniques. , 2021, , .		1
16	Terahertz quantum cascade laser under optical feedback: effects of laser self-pulsations on self-mixing signals. Optics Express, 2021, 29, 39885.	1.7	6
17	Self-Mixing Signal Characteristics of Complex-Coupled Distributed-Feedback Terahertz Quantum-Cascade Lasers. Frontiers in Physics, 2021, 9, .	1.0	0
18	Terahertz imaging with self-pulsations in quantum cascade lasers under optical feedback. APL Photonics, 2021, 6, 091301.	3.0	6

#	ARTICLE	IF	CITATIONS
19	Waveguide integrated terahertz quantum-cascade laser systems. , 2021, , .		0
20	Enhanced light-matter coupling and optical pumping of THz intersubband polaritons. , 2021, , .		0
21	Two beam self mixing interference in terahertz quantum cascade lasers. , 2021, , .		0
22	Transverse mode control of high-power single plasmon terahertz frequency quantum cascade lasers. , 2021, , .		0
23	Millimeter Wave Photonics with Terahertz Semiconductor Lasers. , 2021, , .		0
24	A double sided mid-IR photodetector based on a MIM architecture. Applied Physics Letters, 2021, 119, 181102.	1.5	2
25	Field-resolved high-order sub-cycle nonlinearities in a terahertz semiconductor laser. Light: Science and Applications, 2021, 10, 246.	7.7	10
26	Mixing Properties of Room Temperature Patch Antenna Receivers in a Mid-Infrared ($\sim 9\ \mu\text{m}$) Heterodyne System. Laser and Photonics Reviews, 2020, 14, 1900207.	4.4	12
27	Terahertz master-oscillator power-amplifier quantum Cascade laser with controllable polarization. Applied Physics Letters, 2020, 117, .	1.5	2
28	Terahertz Frequency Combs Exploiting an On-Chip, Solution-Processed, Graphene-Quantum Cascade Laser Coupled-Cavity. ACS Photonics, 2020, 7, 3489-3498.	3.2	26
29	Scattering in InAs/GaSb coupled quantum wells as a probe of higher order subband hybridization. Physical Review B, 2020, 102, .	1.1	0
30	Ultrafast terahertz saturable absorbers using tailored intersubband polaritons. Nature Communications, 2020, 11, 4290.	5.8	19
31	Nanospectroscopy of a single patch antenna strongly coupled to a mid-infrared intersubband transition in a quantum well. Applied Physics Letters, 2020, 117, .	1.5	13
32	External cavity terahertz quantum cascade laser with a metamaterial/graphene optoelectronic mirror. Applied Physics Letters, 2020, 117, .	1.5	13
33	Quantum cascade laser based hybrid dual comb spectrometer. Communications Physics, 2020, 3, .	2.0	40
34	Absorption Engineering in an Ultrasubwavelength Quantum System. Nano Letters, 2020, 20, 4430-4436.	4.5	21
35	Programmable, Transform-Limited Pulses from a Terahertz Quantum Cascade Laser. ACS Photonics, 2020, 7, 2423-2428.	3.2	0
36	Spin-valve Josephson junctions with perpendicular magnetic anisotropy for cryogenic memory. Applied Physics Letters, 2020, 116, 022601.	1.5	12

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37	Wideband Electrically Controlled Vernier Frequency Tunable Terahertz Quantum Cascade Laser. ACS Photonics, 2020, 7, 765-773.	3.2	8
38	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. Nature Communications, 2020, 11, 428.	5.8	89
39	High-speed modulation of a terahertz quantum cascade laser by coherent acoustic phonon pulses. Nature Communications, 2020, 11, 835.	5.8	26
40	Quantum Transmission Line Modeling and Experimental Investigation of the Output Characteristics of a Terahertz Quantum Cascade Laser. IEEE Transactions on Terahertz Science and Technology, 2020, 10, 333-342.	2.0	1
41	Long-wavelength infrared photovoltaic heterodyne receivers using patch-antenna quantum cascade detectors. Applied Physics Letters, 2020, 116, .	1.5	33
42	Highly efficient surface-emitting semiconductor lasers exploiting quasi-crystalline distributed feedback photonic patterns. Light: Science and Applications, 2020, 9, 54.	7.7	16
43	High temperature metamaterial terahertz quantum detector. Applied Physics Letters, 2020, 117, .	1.5	23
44	Terahertz photonic integrated circuit for frequency tuning and power modulation. Optics Express, 2020, 28, 4374.	1.7	7
45	Photoconductive arrays on insulating substrates for high-field terahertz generation. Optics Express, 2020, 28, 17219.	1.7	17
46	Exact frequency and phase control of a terahertz laser. Optica, 2020, 7, 1143.	4.8	3
47	Quasi-static and propagating modes in three-dimensional THz circuits. Optics Express, 2020, 28, 16982.	1.7	0
48	Modeling and improving the output power of terahertz master-oscillator power-amplifier quantum cascade lasers. Optics Express, 2020, 28, 23239.	1.7	2
49	Spectral analysis of a gas-phase reaction using self-mixing in a terahertz quantum cascade laser. , 2020, , .		0
50	Development of a Broadband Multidimensional THz Spectrometer. , 2020, , .		0
51	Ultrafast THz intersubband polariton saturable absorber integrated with a quantum cascade frequency comb. , 2020, , .		0
52	On-chip terahertz spectroscopy of magnetoplasmons in a two-dimensional electron gas. , 2020, , .		0
53	Increasing the sensitivity of terahertz metamaterials for dielectric sensing by substrate etching. , 2020, , .		1
54	Broadband Nonlinear Spectroscopy of Hydrogen-Like Levels in Ge: As. , 2020, , .		0

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55	Semiconductor THz frequency combs exploiting solution processed graphene. , 2020, , .		0
56	Near-field study of the strong coupling between intersubband transitions in quantum wells and single patch antenna resonators in the mid-infrared. , 2020, , .		0
57	Giant optical nonlinearity interferences in Terahertz quantum structures. , 2020, , .		0
58	Highly efficient one-dimensional quasi-crystalline THz semiconductor lasers. , 2020, , .		0
59	Reduced Dark Current With a Specific Detectivity Advantage in Extended Threshold Wavelength Infrared Detector. , 2019, 3, 1-4.		3
60	Tunable and compact dispersion compensation of broadband THz quantum cascade laser frequency combs. Optics Express, 2019, 27, 20231.	1.7	32
61	Fully phase-stabilized quantum cascade laser frequency comb. Nature Communications, 2019, 10, 2938.	5.8	69
62	Heisenberg pseudo-exchange and emergent anisotropies in field-driven pinwheel artificial spin ice. Physical Review B, 2019, 100, .	1.1	11
63	Fully Phase Stabilized Quantum Cascade Laser Frequency Comb. , 2019, , .		1
64	Giant optical nonlinearity interferences in quantum structures. Science Advances, 2019, 5, eaaw7554.	4.7	10
65	Probing Ultrafast Switch-on Dynamics of Frequency Tuneable Semiconductor Lasers Using Terahertz Time-domain Spectroscopy. , 2019, , .		0
66	Waveguide-integrated THz Quantum-Cascade Lasers for Atmospheric-Research Satellite Payloads. , 2019, , .		1
67	Toward Chiralityâ€Encoded Domain Wall Logic. Advanced Functional Materials, 2019, 29, 1807282.	7.8	23
68	Frequency-tunable continuous-wave random lasers at terahertz frequencies. Light: Science and Applications, 2019, 8, 43.	7.7	33
69	A Connected Array of Coherent Photoconductive Pulsed Sources to Generate mW Average Power in the Submillimeter Wavelength Band. IEEE Transactions on Terahertz Science and Technology, 2019, 9, 221-236.	2.0	19
70	Full-wave modelling of terahertz frequency plasmons in two-dimensional electron systems. Journal Physics D: Applied Physics, 2019, 52, 215101.	1.3	4
71	Ultrastrong Lightâ€Matter Coupling in Deeply Subwavelength THz LC Resonators. ACS Photonics, 2019, 6, 1207-1215.	3.2	37
72	Magnetization dynamics of weakly interacting sub-100â€nm square artificial spin ices. Scientific Reports, 2019, 9, 19967.	1.6	6

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73	Independent Control of Mode Selection and Power Extraction in Terahertz Quantum Cascade Lasers. , 2019, , .		0
74	Highly Sensitive and Compact THz heterodyne receiver based on HEB and QCL at 2.7 THz. , 2019, , .		0
75	Thermally and field-driven mobility of emergent magnetic charges in square artificial spin ice. Scientific Reports, 2019, 9, 15989.	1.6	18
76	Patch Antenna Microcavities THz Quantum Cascade Lasers. , 2019, , .		1
77	Electromagnetic-field analysis of diagonal-feedhorn antennas for terahertz-frequency quantum-cascade laser integration. , 2019, , .		0
78	Ultra-Small Mode Volume Three-Dimensional THz LC Metamaterial. , 2019, , .		0
79	Photoconductive Arrays for High-Field Terahertz Generation. , 2019, , .		2
80	High sensitivity 91¼m metamaterial Infrared QC detectors at 300K. , 2019, , .		0
81	Compact and sensitive heterodyne receiver at 2.7â€%THz exploiting a quasi-optical HEB-QCL coupling scheme. Applied Physics Letters, 2019, 115, .	1.5	6
82	High Dynamic Range, Heterogeneous, Terahertz Quantum Cascade Lasers Featuring Thermally Tunable Frequency Comb Operation over a Broad Current Range. ACS Photonics, 2019, 6, 73-78.	3.2	41
83	Superferromagnetism and Domain-Wall Topologies in Artificial â€œPinwheelâ€•Spin Ice. ACS Nano, 2019, 13, 2213-2222.	7.3	25
84	Ultrafast two-dimensional field spectroscopy of terahertz intersubband saturable absorbers. Optics Express, 2019, 27, 2248.	1.7	15
85	Coherent imaging using laser feedback interferometry with pulsed-mode terahertz quantum cascade lasers. Optics Express, 2019, 27, 10221.	1.7	31
86	Increasing the sensitivity of terahertz split ring resonator metamaterials for dielectric sensing by localized substrate etching. Optics Express, 2019, 27, 23164.	1.7	52
87	Tunable broadband terahertz polarizer using graphene-metal hybrid metasurface. Optics Express, 2019, 27, 33768.	1.7	19
88	Detection sensitivity of laser feedback interferometry using a terahertz quantum cascade laser. Optics Letters, 2019, 44, 3314.	1.7	15
89	Optomechanical response with nanometer resolution in the self-mixing signal of a terahertz quantum cascade laser. Optics Letters, 2019, 44, 5663.	1.7	5
90	Development of Terahertz Quantum-Cascade Lasers for Satellite-Borne Measurement of Key Gas Species. , 2019, , .		1

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91	Aperiodic photonic architectures for high-power distributed feedback THz quantum cascade lasers. , 2019, , .		0
92	Generalized Fano lineshapes reveal exceptional points in photonic molecules. Nature Communications, 2018, 9, 396.	5.8	37
93	Confinement of picosecond timescale current pulses by tapered coplanar waveguides. Applied Physics Letters, 2018, 112, .	1.5	4
94	High-performance GaAs/AlAs superlattice electronic devices in oscillators at frequencies 100â€“320 GHz. Applied Physics Letters, 2018, 112, .	1.5	17
95	Effect of FePd alloy composition on the dynamics of artificial spin ice. Scientific Reports, 2018, 8, 4750.	1.6	13
96	Room-temperature nine-Åµm-wavelength photodetectors and GHz-frequency heterodyne receivers. Nature, 2018, 556, 85-88.	13.7	197
97	Continuous-wave highly-efficient low-divergence terahertz wire lasers. Nature Communications, 2018, 9, 1122.	5.8	30
98	Norton Equivalent Circuit for Pulsed Photoconductive Antennasâ€”Part II: Experimental Validation. IEEE Transactions on Antennas and Propagation, 2018, 66, 1646-1659.	3.1	12
99	Effects of Barrier Energy Offset and Gradient in Extended Wavelength Infrared Detectors. , 2018, 2, 1-4.		5
100	Continuous-wave Highly Efficient Low-Divergence Terahertz Wire Lasers. , 2018, , .		0
101	A high electron mobility phonotransistor. Communications Physics, 2018, 1, .	2.0	3
102	Discrete Hall resistivity contribution from Néel skyrmions in multilayer nanodiscs. Nature Nanotechnology, 2018, 13, 1161-1166.	15.6	81
103	Determining Ethanol Content of Liquid Solutions Using Laser Feedback Interferometry with a Terahertz Quantum Cascade Laser. , 2018, 2, 1-4.		9
104	Deconvolution of Rashba and Dresselhaus spin-orbit coupling by crystal axis dependent measurements of coupled InAs/GaSb quantum wells. Physical Review B, 2018, 98, .	1.1	4
105	Noise characterization of patch antenna THz photodetectors. Applied Physics Letters, 2018, 113, .	1.5	10
106	Continuous Frequency Tuning with near Constant Output Power in Coupled Y-Branched Terahertz Quantum Cascade Lasers with Photonic Lattice. ACS Photonics, 2018, 5, 2912-2920.	3.2	17
107	Silver-based surface plasmon waveguide for terahertz quantum cascade lasers. Optics Express, 2018, 26, 3814.	1.7	21
108	Phase-resolved terahertz self-detection near-field microscopy. Optics Express, 2018, 26, 18423.	1.7	70

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109	Gas spectroscopy with integrated frequency monitoring through self-mixing in a terahertz quantum-cascade laser. <i>Optics Letters</i> , 2018, 43, 2225.	1.7	12
110	Terahertz master-oscillator power-amplifier quantum cascade laser with a grating coupler of extremely low reflectivity. <i>Optics Express</i> , 2018, 26, 1942.	1.7	9
111	Quantum photonic integrated circuits based on tunable dots and tunable cavities. <i>APL Photonics</i> , 2018, 3, .	3.0	21
112	Analysis of Barrier Parameters on the Extended Threshold Wavelength of Infrared Detectors. <i>IEEE Photonics Technology Letters</i> , 2018, 30, 1617-1620.	1.3	3
113	Ultrafast switch-on dynamics of frequency-tuneable semiconductor lasers. <i>Nature Communications</i> , 2018, 9, 3076.	5.8	16
114	Gas spectroscopy through multimode self-mixing in a double-metal terahertz quantum cascade laser. <i>Optics Letters</i> , 2018, 43, 5933.	1.7	10
115	Sub-wavelength THz resonators for ultra-fast THz detection. , 2017, , .		1
116	Near-field speckle imaging of light localization in disordered photonic systems. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	7
117	Mode Selection and Tuning Mechanisms in Coupled-Cavity Terahertz Quantum Cascade Lasers. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 1-12.	1.9	12
118	Mid-infrared detection in p-GaAs/AlGaAs heterostructures with a current blocking barrier. , 2017, , .		1
119	Monolithic Semiconductor Lasers with Dynamically Tunable Linear-to-Circular Polarization. <i>ACS Photonics</i> , 2017, 4, 517-524.	3.2	23
120	Monolithic echo-less photoconductive switches as a high-resolution detector for terahertz time-domain spectroscopy. <i>Applied Physics Letters</i> , 2017, 110, .	1.5	18
121	Extended wavelength infrared photodetectors. <i>Optical Engineering</i> , 2017, 56, 091605.	0.5	9
122	Frequency Tunability and Spectral Control in Terahertz Quantum Cascade Lasers With Phase-Adjusted Finite-Defect-Site Photonic Lattices. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 360-367.	2.0	10
123	Terahertz saturable absorbers from liquid phase exfoliation of graphite. <i>Nature Communications</i> , 2017, 8, 15763.	5.8	93
124	Infinite-Period Density-Matrix Model for Terahertz-Frequency Quantum Cascade Lasers. <i>IEEE Transactions on Terahertz Science and Technology</i> , 2017, 7, 368-377.	2.0	16
125	Thickness dependence of spin wave excitations in an artificial square spin ice-like geometry. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	19
126	The Development of a Semtex-H Simulant for Terahertz Spectroscopy. <i>Journal of Infrared, Millimeter, and Terahertz Waves</i> , 2017, 38, 325-338.	1.2	6

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127	The 2017 terahertz science and technology roadmap. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 043001.	1.3	1,160
128	Development of Terahertz Frequency Quantum Cascade Lasers for the Applications as Local Oscillators. <i>NATO Science for Peace and Security Series B: Physics and Biophysics</i> , 2017, , 123-134.	0.2	2
129	Brillouin light scattering study of magnetic-element normal modes in a square artificial spin ice geometry. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 015003.	1.3	25
130	Short Terahertz Pulse Generation from a Dispersion Compensated Modelocked Semiconductor Laser. <i>Laser and Photonics Reviews</i> , 2017, 11, 1700013.	4.4	67
131	Dark current and photoresponse characteristics of extended wavelength infrared photodetectors. <i>Journal of Applied Physics</i> , 2017, 122, 024501.	1.1	10
132	Measurement of the emission spectrum of a semiconductor laser using laser-feedback interferometry. <i>Scientific Reports</i> , 2017, 7, 7236.	1.6	20
133	On-Chip Terahertz-Frequency Measurements of Liquids. <i>Analytical Chemistry</i> , 2017, 89, 7981-7987.	3.2	22
134	Spin-orbit interaction in InAs/GaSb heterostructures quantified by weak antilocalization. <i>Physical Review B</i> , 2017, 95, .	1.1	13
135	Modeling and design of Al _{0.25} Ga _{0.75} As/GaAs terahertz quantum cascade lasers with a realistic band structure. , 2017, , .		0
136	Room-Temperature operation of a quantum well mid-infrared detector embedded in nano-antennae array at critical optical coupling. , 2017, , .		2
137	THz-TDS of liquids in a temperature-controlled transmission flowcell. , 2017, , .		0
138	3.5 THz dual feedhorn quantum cascade laser a step towards achieving a frequency stable supra-THz heterodyne local oscillator. , 2017, , .		0
139	Ultrafast terahertz detectors based on 3D meta-atoms. , 2017, , .		0
140	Monolithic echo-less photoconductive switches for high-resolution terahertz time-domain spectroscopy. , 2017, , .		0
141	Investigation into free-space terahertz radiation from a LT-GaAs-on-quartz photoconductive emitter. , 2017, , .		0
142	Quasi-continuous frequency tunable terahertz quantum cascade lasers with coupled cavity and integrated photonic lattice. <i>Optics Express</i> , 2017, 25, 486.	1.7	17
143	Multi-spectral terahertz sensing: proposal for a coupled-cavity quantum cascade laser based optical feedback interferometer. <i>Optics Express</i> , 2017, 25, 10153.	1.7	15
144	Terahertz generation mechanism in nano-grating electrode photomixers on Fe-doped InGaAsP. <i>Optics Express</i> , 2017, 25, 10177.	1.7	2

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145	Two-dimensional coherent spectroscopy of a THz quantum cascade laser: observation of multiple harmonics. Optics Express, 2017, 25, 21753.	1.7	12
146	Injection locking of a terahertz quantum cascade laser to a telecommunications wavelength frequency comb. Optica, 2017, 4, 1059.	4.8	28
147	Ultrafast terahertz detectors based on three-dimensional meta-atoms. Optica, 2017, 4, 1451.	4.8	20
148	5-ps-long terahertz pulses from an active-mode-locked quantum cascade laser. Optica, 2017, 4, 168.	4.8	30
149	Engineered far-fields of metal-metal terahertz quantum cascade lasers with integrated planar horn structures. , 2016, , .		0
150	Multimode, Aperiodic Terahertz Surface-Emitting Laser Resonators. Photonics, 2016, 3, 32.	0.9	10
151	Laser Feedback Interferometry as a Tool for Analysis of Granular Materials at Terahertz Frequencies: Towards Imaging and Identification of Plastic Explosives. Sensors, 2016, 16, 352.	2.1	27
152	Model for a pulsed terahertz quantum cascade laser under optical feedback. Optics Express, 2016, 24, 20554.	1.7	16
153	Origin of terminal voltage variations due to self-mixing in terahertz frequency quantum cascade lasers. Optics Express, 2016, 24, 21948.	1.7	10
154	Free-space terahertz radiation from a LT-GaAs-on-quartz large-area photoconductive emitter. Optics Express, 2016, 24, 26986.	1.7	21
155	Extraction-controlled terahertz frequency quantum cascade lasers with a diagonal LO-phonon extraction and injection stage. Optics Express, 2016, 24, 28583.	1.7	10
156	Apertureless near-field terahertz imaging using the self-mixing effect in a quantum cascade laser. Applied Physics Letters, 2016, 108, .	1.5	67
157	Room temperature strong light-matter coupling in three dimensional terahertz meta-atoms. Applied Physics Letters, 2016, 108, .	1.5	17
158	Generation of continuous wave terahertz frequency radiation from metal-organic chemical vapour deposition grown Fe-doped InGaAs and InGaAsP. Journal of Applied Physics, 2016, 119, 153103.	1.1	10
159	Nonlinear frequency mixing in quantum cascade lasers: Towards broadband wavelength shifting and THz up-conversion. , 2016, , .		0
160	Time-domain measurement of terahertz frequency magnetoplasmon resonances in a two-dimensional electron system by the direct injection of picosecond pulsed currents. Applied Physics Letters, 2016, 108, .	1.5	10
161	Pump-probe measurements of gain in a terahertz quantum cascade laser. , 2016, , .		1
162	Short pulse generation and dispersion in THz quantum cascade lasers. , 2016, , .		0

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163	Terahertz near-field microscopy using the self-mixing effect in a quantum cascade laser. , 2016, , .		0
164	Low divergent, high-power, single-mode terahertz wire lasers. , 2016, , .		0
165	Frequency and amplitude modulation of ultra-compact terahertz quantum cascade lasers using an integrated avalanche diode oscillator. Scientific Reports, 2016, 6, 23053.	1.6	6
166	Diffraction-limited ultrabroadband terahertz spectroscopy. Scientific Reports, 2016, 6, 24811.	1.6	18
167	Effect of a current blocking barrier on a $2\lambda/4$ m p-GaAs/AlGaAs heterojunction infrared detector. Applied Physics Letters, 2016, 108, 201105.	1.5	5
168	Accurate parameter extraction from liquids measured using on-chip terahertz spectroscopy. , 2016, , .		1
169	Observation of spin-wave Doppler shift in Co ₉₀ Fe ₁₀ /Ru micro-strips for evaluating spin polarization. Applied Physics Letters, 2016, 109, 112405.	1.5	2
170	Patch antenna microcavity terahertz sources with enhanced emission. Applied Physics Letters, 2016, 109, .	1.5	5
171	Terahertz master-oscillator power-amplifier quantum cascade lasers. Applied Physics Letters, 2016, 109, .	1.5	19
172	Optical feedback effects on terahertz quantum cascade lasers: modelling and applications. , 2016, , .		1
173	Multilayer extraction of complex refractive index in broadband transmission terahertz time-domain spectroscopy. , 2016, , .		2
174	Feedhorn-integrated THz QCL local oscillators for the LOCUS atmospheric sounder. , 2016, , .		0
175	Terahertz emission mechanism and laser excitation position dependence of nano-grating electrode photomixers. , 2016, , .		0
176	Estimation of spectroscopic uncertainty and correlation in terahertz time domain spectroscopy. , 2016, , .		0
177	Improving the Out-Coupling of a Metal-Metal Terahertz Frequency Quantum Cascade Laser Through Integration of a Hybrid Mode Section into the Waveguide. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 426-434.	1.2	3
178	Terahertz frequency quantum cascade lasers for use as waveguide-integrated local oscillators. , 2016, , .		0
179	Terahertz frequency quantum cascade lasers: Optical feedback effects and applications. , 2016, , .		1
180	Gain recovery time in a terahertz quantum cascade laser. Applied Physics Letters, 2016, 108, .	1.5	28

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181	Engineered far-fields of metal-metal terahertz quantum cascade lasers with integrated planar horn structures. Optics Express, 2016, 24, 2174.	1.7	11
182	Mid-infrared photodetectors operating over an extended wavelength range up to 90 μ m. Optics Letters, 2016, 41, 285.	1.7	3
183	Temperature-dependent modulated reflectance and photoluminescence of InAs/GaAs and InAs/InGaAs/GaAs quantum dot heterostructures. Optical and Quantum Electronics, 2016, 48, 1.	1.5	2
184	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
185	Generation of Terahertz Radiation from Fe-doped InGaAsP Using 800nm to 1550nm Pulsed Laser Excitation. Journal of Infrared, Millimeter, and Terahertz Waves, 2016, 37, 415-425.	1.2	21
186	Design of Broadband Non-Foster Circuits Based on Resonant Tunneling Diodes. IEEE Antennas and Wireless Propagation Letters, 2016, 15, 1398-1401.	2.4	23
187	Patch Antenna Microcavities Terahertz Sources with Enhanced Emission. , 2016, , .		0
188	Terahertz Graphene Modulator Integrated with Quantum Cascade Laser Achieving 100% Modulation Depth. , 2016, , .		2
189	Terahertz pulse generation from metal-metal quantum cascade lasers. , 2016, , .		0
190	Spin relaxation through Kondo scattering in Cu/Py lateral spin valves. Physical Review B, 2015, 92, .	1.1	25
191	Tuning a microcavity-coupled terahertz laser. Applied Physics Letters, 2015, 107, 261108.	1.5	23
192	Excitation, detection and electrostatic manipulation of terahertz-frequency range plasmons in a two-dimensional electron system. Scientific Reports, 2015, 5, 15420.	1.6	21
193	Novel Molecular Resist for EUV and Electron Beam Lithography. Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi], 2015, 28, 537-540.	0.1	8
194	Fully tuneable, Purcell-enhanced solid-state quantum emitters. Applied Physics Letters, 2015, 107, .	1.5	23
195	Ballistic rectification of vortex domain wall chirality at nanowire corners. Applied Physics Letters, 2015, 107, .	1.5	13
196	Injection seeding and modelocking of metal-metal Terahertz quantum cascade lasers. , 2015, , .		0
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