

# Edmund H Linfield

## List of Publications by Citations

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452  
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616  
ext. papers

17,812  
ext. citations

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L-index

#	Paper	IF	Citations
452	Terahertz semiconductor-heterostructure laser. <i>Nature</i> , <b>2002</b> , 417, 156-9	50.4	1932
451	The 2017 terahertz science and technology roadmap. <i>Journal Physics D: Applied Physics</i> , <b>2017</b> , 50, 043001	3.8	724
450	Terahertz pulse imaging in reflection geometry of human skin cancer and skin tissue. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 3853-63	3.8	460
449	Terahertz spectroscopy of explosives and drugs. <i>Materials Today</i> , <b>2008</b> , 11, 18-26	21.8	326
448	Terahertz pulse imaging of ex vivo basal cell carcinoma. <i>Journal of Investigative Dermatology</i> , <b>2003</b> , 120, 72-8	4.3	282
447	Electrically pumped photonic-crystal terahertz lasers controlled by boundary conditions. <i>Nature</i> , <b>2009</b> , 457, 174-8	50.4	244
446	Simulation of terahertz generation at semiconductor surfaces. <i>Physical Review B</i> , <b>2002</b> , 65,	3.3	238
445	Metal-Insulator Transition at B=0 in a Dilute Two Dimensional GaAs-AlGaAs Hole Gas. <i>Physical Review Letters</i> , <b>1998</b> , 80, 1292-1295	7.4	219
444	Designer spoof surface plasmon structures collimate terahertz laser beams. <i>Nature Materials</i> , <b>2010</b> , 9, 730-5	27	212
443	Terahertz pulsed imaging of skin cancer in the time and frequency domain. <i>Journal of Biological Physics</i> , <b>2003</b> , 29, 257-9	1.6	199
442	Single-electron transport in a one-dimensional channel by high-frequency surface acoustic waves. <i>Physical Review B</i> , <b>1997</b> , 56, 15180-15184	3.3	198
441	Far-infrared (287 $\mu\text{m}$ ) bound-to-continuum quantum-cascade lasers operating up to 90 K. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 3165-3167	3.4	184
440	2.9THz quantum cascade lasers operating up to 70K in continuous wave. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1674-1676	3.4	180
439	Terahertz quantum cascade lasers with copper metal-metal waveguides operating up to 178 K. <i>Optics Express</i> , <b>2008</b> , 16, 3242-8	3.3	171
438	Low-threshold terahertz quantum-cascade lasers. <i>Applied Physics Letters</i> , <b>2002</b> , 81, 1381-1383	3.4	166
437	Terahertz range quantum well infrared photodetector. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 475-477	3.4	160
436	Quantum Cascade Detectors. <i>IEEE Journal of Quantum Electronics</i> , <b>2009</b> , 45, 1039-1052	2	141

435	Ultrabroadband terahertz radiation from low-temperature-grown GaAs photoconductive emitters. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 3117-3119	3-4	141
434	Temperature-dependent low-frequency vibrational spectra of purine and adenine. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 2350-2352	3-4	134
433	Coherent sampling of active mode-locked terahertz quantum cascade lasers and frequency synthesis. <i>Nature Photonics</i> , <b>2011</b> , 5, 306-313	33-9	132
432	Integrated Terahertz Graphene Modulator with 100% Modulation Depth. <i>ACS Photonics</i> , <b>2015</b> , 2, 1559-1566	3-6	124
431	Room-temperature nine- $\mu\text{m}$ -wavelength photodetectors and GHz-frequency heterodyne receivers. <i>Nature</i> , <b>2018</b> , 556, 85-88	50-4	124
430	Generation and detection of ultrabroadband terahertz radiation using photoconductive emitters and receivers. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 164-166	3-4	122
429	Terahertz quantum cascade laser as local oscillator in a heterodyne receiver. <i>Optics Express</i> , <b>2005</b> , 13, 5890-6	3-3	120
428	Terahertz imaging using quantum cascade lasers—review of systems and applications. <i>Journal Physics D: Applied Physics</i> , <b>2014</b> , 47, 374008	3	111
427	High resistivity annealed low-temperature GaAs with 100 fs lifetimes. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4199-4201	3-4	110
426	Terahertz imaging through self-mixing in a quantum cascade laser. <i>Optics Letters</i> , <b>2011</b> , 36, 2587-9	3	108
425	Enhanced shot noise in resonant tunneling via interacting localized states. <i>Physical Review Letters</i> , <b>2003</b> , 91, 136801	7-4	103
424	Surface emitting terahertz quantum cascade laser with a double-metal waveguide. <i>Optics Express</i> , <b>2006</b> , 14, 11672-80	3-3	101
423	Efficient power extraction in surface-emitting semiconductor lasers using graded photonic heterostructures. <i>Nature Communications</i> , <b>2012</b> , 3, 952	17-4	96
422	Linewidth and tuning characteristics of terahertz quantum cascade lasers. <i>Optics Letters</i> , <b>2004</b> , 29, 575-73		92
421	The development of terahertz sources and their applications. <i>Physics in Medicine and Biology</i> , <b>2002</b> , 47, 3679-89	3-8	90
420	Weak localization, hole-hole interactions, and the "Metal"-insulator transition in two dimensions. <i>Physical Review Letters</i> , <b>2000</b> , 84, 2489-92	7-4	90
419	Correlation Effects on the Coupled Plasmon Modes of a Double Quantum Well. <i>Physical Review Letters</i> , <b>1997</b> , 78, 2204-2207	7-4	87
418	Three-dimensional imaging with a terahertz quantum cascade laser. <i>Optics Express</i> , <b>2006</b> , 14, 2123-9	3-3	86

4 <sup>17</sup>	Terahertz time-domain spectroscopy of glucose and uric Acid. <i>Journal of Biological Physics</i> , <b>2003</b> , 29, 117-21	1.6	79
4 <sup>16</sup>	Enhanced coherent terahertz emission from indium arsenide in the presence of a magnetic field. <i>Applied Physics Letters</i> , <b>2000</b> , 76, 2038-2040	3.4	79
4 <sup>15</sup>	Injection-locking of terahertz quantum cascade lasers up to 35GHz using RF amplitude modulation. <i>Optics Express</i> , <b>2010</b> , 18, 20799-816	3.3	77
4 <sup>14</sup>	Far-infrared spectroscopic characterization of explosives for security applications using broadband terahertz time-domain spectroscopy. <i>Applied Spectroscopy</i> , <b>2007</b> , 61, 638-43	3.1	77
4 <sup>13</sup>	Tunneling between two-dimensional electron gases in a strong magnetic field. <i>Physical Review B</i> , <b>1994</b> , 50, 15465-15468	3.3	72
4 <sup>12</sup>	Terahertz saturable absorbers from liquid phase exfoliation of graphite. <i>Nature Communications</i> , <b>2017</b> , 8, 15763	17.4	69
4 <sup>11</sup>	High power quantum cascade lasers operating at 287 and 130 $\mu$ m. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 3986-3988	3.8	66
4 <sup>10</sup>	The use of Fourier-transform infrared spectroscopy for the quantitative determination of glucose concentration in whole blood. <i>Physics in Medicine and Biology</i> , <b>2003</b> , 48, 2023-32	3.8	66
4 <sup>09</sup>	Applications of terahertz (THz) technology to medical imaging <b>1999</b> , 3828, 209		66
4 <sup>08</sup>	Spin splitting of one-dimensional subbands in high quality quantum wires at zero magnetic field. <i>Physical Review B</i> , <b>2000</b> , 62, 15842-15850	3.3	65
4 <sup>07</sup>	Terahertz emission from quantum cascade lasers in the quantum Hall regime: evidence for many body resonances and localization effects. <i>Physical Review Letters</i> , <b>2004</b> , 93, 237403	7.4	64
4 <sup>06</sup>	Magnetoresistance of a 2D electron gas caused by electron interactions in the transition from the diffusive to the ballistic regime. <i>Physical Review Letters</i> , <b>2003</b> , 90, 076802	7.4	64
4 <sup>05</sup>	Magnetic-field-induced insulator-quantum Hall-insulator transition in a disordered two-dimensional electron gas. <i>Journal of Physics Condensed Matter</i> , <b>1994</b> , 6, 4763-4770	1.8	64
4 <sup>04</sup>	Swept-frequency feedback interferometry using terahertz frequency QCLs: a method for imaging and materials analysis. <i>Optics Express</i> , <b>2013</b> , 21, 22194-205	3.3	62
4 <sup>03</sup>	High-performance operation of single-mode terahertz quantum cascade lasers with metallic gratings. <i>Applied Physics Letters</i> , <b>2005</b> , 87, 181101	3.4	60
4 <sup>02</sup>	Transmittance of a tunable filter at terahertz frequencies. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 5173-5175	3.4	59
4 <sup>01</sup>	Tunneling between parallel two-dimensional electron gases. <i>Physical Review B</i> , <b>1996</b> , 54, 10614-10624	3.3	59
4 <sup>00</sup>	Formation and manipulation of two-dimensional arrays of micron-scale particles in microfluidic systems by surface acoustic waves. <i>Applied Physics Letters</i> , <b>2009</b> , 94, 054101	3.4	58

399	Resistance resonance induced by electron-hole hybridization in a strongly coupled InAs/GaSb/AlSb heterostructure. <i>Physical Review B</i> , <b>1998</b> , 57, 11915-11918	3-3	57
398	Broadband terahertz time-domain spectroscopy of drugs-of-abuse and the use of principal component analysis. <i>Analyst, The</i> , <b>2009</b> , 134, 1658-68	5	55
397	Mechanisms of dynamic range limitations in GaAs/AlGaAs quantum-cascade lasers: Influence of injector doping. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 2111-17	3-4	55
396	Heterodyne mixing of two far-infrared quantum cascade lasers by use of a point-contact Schottky diode. <i>Optics Letters</i> , <b>2004</b> , 29, 1632-4	3	55
395	Discrete Hall resistivity contribution from N $\beta$ l skyrmions in multilayer nanodiscs. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 1161-1166	28.7	54
394	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> , <b>2012</b> , 2, 83-92	3-4	53
393	Evolution of fractal patterns during a classical-quantum transition. <i>Physical Review Letters</i> , <b>2001</b> , 87, 036802	7-4	53
392	Coherent terahertz photonics. <i>Optics Express</i> , <b>2013</b> , 21, 22988-3000	3-3	51
391	Single-mode operation of terahertz quantum cascade lasers with distributed feedback resonators. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 5446-5448	3-4	51
390	Terahertz pulsed imaging with 1.06 $\mu$ m laser excitation. <i>Applied Physics Letters</i> , <b>2003</b> , 83, 4113-4115	3-4	51
389	The fabrication of a back-gated high electron mobility transistor-a novel approach using MBE regrowth on an in situ ion beam patterned epilayer. <i>Semiconductor Science and Technology</i> , <b>1993</b> , 8, 415-422	1-8	51
388	Absorption-sensitive diffuse reflection imaging of concealed powders using a terahertz quantum cascade laser. <i>Optics Express</i> , <b>2008</b> , 16, 5997-6007	3-3	50
387	Tunable hot-carrier photodetection beyond the bandgap spectral limit. <i>Nature Photonics</i> , <b>2014</b> , 8, 412-418	3-9	49
386	Resonant tunneling between parallel, two-dimensional electron gases: A new approach to device fabrication using in situ ion beam lithography and molecular beam epitaxy growth. <i>Applied Physics Letters</i> , <b>1994</b> , 64, 1827-1829	3-4	49
385	Wave functions and Fermi surfaces of strongly coupled two-dimensional electron gases investigated by in-plane magnetoresistance. <i>Physical Review B</i> , <b>1994</b> , 50, 4889-4892	3-3	49
384	Measurement of the intrinsic linewidth of terahertz quantum cascade lasers using a near-infrared frequency comb. <i>Optics Express</i> , <b>2012</b> , 20, 25654-61	3-3	48
383	Terahertz quantum-cascade lasers based on an interlaced photon-phonon cascade. <i>Applied Physics Letters</i> , <b>2004</b> , 84, 1266-1268	3-4	48
382	High-performance continuous-wave operation of superlattice terahertz quantum-cascade lasers. <i>Applied Physics Letters</i> , <b>2003</b> , 82, 1518-1520	3-4	48

381	Photonic quasi-crystal terahertz lasers. <i>Nature Communications</i> , <b>2014</b> , 5, 5884	17.4	47
380	Demonstration of a self-mixing displacement sensor based on terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , <b>2011</b> , 99, 081108	3.4	47
379	Terahertz amplifier based on gain switching in a quantum cascade laser. <i>Nature Photonics</i> , <b>2009</b> , 3, 715-719	3.9	46
378	Weak localization in high-quality two-dimensional systems. <i>Physical Review B</i> , <b>2004</b> , 70,	3.3	46
377	Patch antenna terahertz photodetectors. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 161102	3.4	45
376	Drude conductivity of highly doped GaAs at terahertz frequencies. <i>Journal of Applied Physics</i> , <b>2000</b> , 87, 2382-2385	2.5	44
375	Fully phase-stabilized quantum cascade laser frequency comb. <i>Nature Communications</i> , <b>2019</b> , 10, 2938	17.4	43
374	Magnetization studies of Landau level broadening in two-dimensional electron systems. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, 5189-5207	1.8	43
373	Highly resistive annealed low-temperature-grown InGaAs with sub-500fs carrier lifetimes. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 4965-4967	3.4	43
372	The growth and physics of high mobility two-dimensional hole gases. <i>Journal of Crystal Growth</i> , <b>1991</b> , 111, 318-322	1.6	43
371	Graded photonic crystal terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 031104	3.4	42
370	Theory of magnetic-field enhancement of surface-field terahertz emission. <i>Journal of Applied Physics</i> , <b>2002</b> , 91, 2104-2106	2.5	42
369	Phase-resolved terahertz self-detection near-field microscopy. <i>Optics Express</i> , <b>2018</b> , 26, 18423-18435	3.3	41
368	Phase-locking of a 2.5 THz quantum cascade laser to a frequency comb using a GaAs photomixer. <i>Optics Letters</i> , <b>2011</b> , 36, 3969-71	3	41
367	Terahertz emission from metal-organic chemical vapor deposition grown Fe:InGaAs using 830 nm to 1.55 eV excitation. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 194104	3.4	41
366	Terahertz vibrational absorption spectroscopy using microstrip-line waveguides. <i>Applied Physics Letters</i> , <b>2008</b> , 93, 182904	3.4	41
365	Excitation-density-dependent generation of broadband terahertz radiation in an asymmetrically excited photoconductive antenna. <i>Optics Letters</i> , <b>2007</b> , 32, 2297-9	3	41
364	Apertureless near-field terahertz imaging using the self-mixing effect in a quantum cascade laser. <i>Applied Physics Letters</i> , <b>2016</b> , 108, 091113	3.4	41

363	Short Terahertz Pulse Generation from a Dispersion Compensated Modelocked Semiconductor Laser. <i>Laser and Photonics Reviews</i> , <b>2017</b> , 11, 1700013	8.3	40
362	Generation of high-power terahertz pulses in a prism. <i>Optics Letters</i> , <b>2002</b> , 27, 1935-7	3	40
361	Coherent three-dimensional terahertz imaging through self-mixing in a quantum cascade laser. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 181112	3.4	38
360	Frictional drag between parallel two-dimensional electron gases in a perpendicular magnetic field. <i>Journal of Physics Condensed Matter</i> , <b>1996</b> , 8, L557-L562	1.8	38
359	Terahertz frequency range band-stop filters. <i>Applied Physics Letters</i> , <b>2005</b> , 86, 213503	3.4	38
358	Wide-ridge metal-metal terahertz quantum cascade lasers with high-order lateral mode suppression. <i>Applied Physics Letters</i> , <b>2008</b> , 92, 031106	3.4	37
357	Diameter-independent skyrmion Hall angle observed in chiral magnetic multilayers. <i>Nature Communications</i> , <b>2020</b> , 11, 428	17.4	36
356	Generating ultrafast pulses of light from quantum cascade lasers. <i>Optica</i> , <b>2015</b> , 2, 944	8.6	36
355	Study of the carrier density dependence of the frictional drag between closely spaced two-dimensional electron gases. <i>Semiconductor Science and Technology</i> , <b>1995</b> , 10, 1229-1232	1.8	36
354	Characterization of Crystalline Phase-Transformations in Theophylline by Time-Domain Terahertz Spectroscopy. <i>Spectroscopy Letters</i> , <b>2006</b> , 39, 215-224	1.1	35
353	All-optoelectronic terahertz system using low-temperature-grown InGaAs photomixers. <i>Optics Express</i> , <b>2005</b> , 13, 9639-44	3.3	35
352	. <i>IEEE Sensors Journal</i> , <b>2013</b> , 13, 37-43	4	34
351	High-intensity interminiband terahertz emission from chirped superlattices. <i>Applied Physics Letters</i> , <b>2002</b> , 80, 1867-1869	3.4	34
350	Terahertz quantum cascade lasers—first demonstration and novel concepts. <i>Semiconductor Science and Technology</i> , <b>2005</b> , 20, S222-S227	1.8	33
349	The MBE growth and optimization of high performance terahertz frequency quantum cascade lasers. <i>Optics Express</i> , <b>2015</b> , 23, 2720-9	3.3	32
348	Simultaneous measurement of orthogonal components of polarization in a free-space propagating terahertz signal using electro-optic detection. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 151104	3.4	32
347	Electrostatic potential and quantum transport in a one-dimensional channel of an induced two-dimensional electron gas. <i>Journal of Applied Physics</i> , <b>2001</b> , 89, 4993-5000	2.5	32
346	Realization of quantum-dot cellular automata using semiconductor quantum dots. <i>Superlattices and Microstructures</i> , <b>2003</b> , 34, 195-203	2.8	31

345	Dual-frequency imaging using an electrically tunable terahertz quantum cascade laser. <i>Optics Express</i> , <b>2009</b> , 17, 20631-41	3.3	30
344	Terahertz generation from coherent optical phonons in a biased GaAs photoconductive emitter. <i>Physical Review B</i> , <b>2004</b> , 69,	3.3	30
343	Magnetic field in-plane quantization and tuning of population inversion in a THz superlattice quantum cascade laser. <i>Physical Review B</i> , <b>2003</b> , 68,	3.3	30
342	Back-gated split-gate transistor: A one-dimensional ballistic channel with variable Fermi energy. <i>Applied Physics Letters</i> , <b>1992</b> , 60, 2782-2784	3.4	30
341	Superlattice electronic devices as high-performance oscillators between 60-20 GHz. <i>Applied Physics Letters</i> , <b>2010</b> , 96, 072101	3.4	29
340	Resonant dipole antennas for continuous-wave terahertz photomixers. <i>Applied Physics Letters</i> , <b>2004</b> , 85, 1622-1624	3.4	29
339	Distribution-function analysis of mesoscopic hopping conductance fluctuations. <i>Physical Review B</i> , <b>1996</b> , 54, 2091-2100	3.3	29
338	Determination of Glucose Concentration in Whole Blood using Fourier-Transform Infrared Spectroscopy. <i>Journal of Biological Physics</i> , <b>2003</b> , 29, 129-33	1.6	28
337	MBE growth of terahertz quantum cascade lasers. <i>Journal of Crystal Growth</i> , <b>2005</b> , 278, 756-764	1.6	28
336	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> , <b>2010</b> , 97, 131111	3.4	27
335	Comparison of near infrared laser excitation wavelengths and its influence on the interrogation of seized drugs-of-abuse by Raman spectroscopy. <i>Journal of Raman Spectroscopy</i> , <b>2009</b> , 40, 1974-1983	2.3	27
334	Metallic behavior in dilute two-dimensional hole systems. <i>Physical Review Letters</i> , <b>2001</b> , 87, 126802	7.4	27
333	Ultra-subwavelength phase-sensitive Fano-imaging of localized photonic modes. <i>Light: Science and Applications</i> , <b>2015</b> , 4, e326-e326	16.7	26
332	Coupled-cavity terahertz quantum cascade lasers for single mode operation. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 241102	3.4	26
331	High-contrast coherent terahertz imaging of porcine tissue via swept-frequency feedback interferometry. <i>Biomedical Optics Express</i> , <b>2014</b> , 5, 3981-9	3.5	26
330	Electrically tunable terahertz quantum-cascade laser with a heterogeneous active region. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 181101	3.4	26
329	Calculation and measurement of terahertz active normal modes in crystalline PETN. <i>ChemPhysChem</i> , <b>2010</b> , 11, 368-78	3.2	26
328	Three-dimensional terahertz imaging using swept-frequency feedback interferometry with a quantum cascade laser. <i>Optics Letters</i> , <b>2015</b> , 40, 994-7	3	25



327	Predictable surface emission patterns in terahertz photonic-crystal quantum cascade lasers. <i>Optics Express</i> , <b>2009</b> , 17, 9491-502	3-3	25
326	Surface-emitting terahertz quantum cascade lasers with continuous-wave power in the tens of milliwatt range. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 091112	3-4	24
325	Efficient prediction of terahertz quantum cascade laser dynamics from steady-state simulations. <i>Applied Physics Letters</i> , <b>2015</b> , 106, 161105	3-4	24
324	Discrete Vernier tuning in terahertz quantum cascade lasers using coupled cavities. <i>Optics Express</i> , <b>2014</b> , 22, 16595-605	3-3	24
323	Terahertz-frequency photoconductive detectors fabricated from metal-organic chemical vapor deposition-grown Fe-doped InGaAs. <i>Applied Physics Letters</i> , <b>2011</b> , 98, 121107	3-4	24
322	Direct observation of single-electron decay from an artificial nucleus. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , <b>2000</b> , 6, 457-460	3	24
321	Coulomb Blockade as a Noninvasive Probe of Local Density of States. <i>Physical Review Letters</i> , <b>1996</b> , 77, 350-353	7-4	24
320	Increasing the sensitivity of terahertz split ring resonator metamaterials for dielectric sensing by localized substrate etching. <i>Optics Express</i> , <b>2019</b> , 27, 23164-23172	3-3	24
319	Generalized Fano lineshapes reveal exceptional points in photonic molecules. <i>Nature Communications</i> , <b>2018</b> , 9, 396	17-4	23
318	Terahertz inverse synthetic aperture radar imaging using self-mixing interferometry with a quantum cascade laser. <i>Optics Letters</i> , <b>2014</b> , 39, 2629-32	3	23
317	High Dynamic Range, Heterogeneous, Terahertz Quantum Cascade Lasers Featuring Thermally Tunable Frequency Comb Operation over a Broad Current Range. <i>ACS Photonics</i> , <b>2019</b> , 6, 73-78	6-3	23
316	Continuous-wave highly-efficient low-divergence terahertz wire lasers. <i>Nature Communications</i> , <b>2018</b> , 9, 1122	17-4	22
315	Continuous-wave coherent imaging with terahertz quantum cascade lasers using electro-optic harmonic sampling. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 091107	3-4	22
314	Single-mode surface-emitting concentric-circular-grating terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 031119	3-4	22
313	Terahertz pulsed spectroscopic imaging using optimized binary masks. <i>Applied Physics Letters</i> , <b>2009</b> , 95, 231112	3-4	22
312	Low-threshold quantum-cascade lasers at 3.5 THz ( $\lambda = 85$ microm). <i>Optics Letters</i> , <b>2003</b> , 28, 810-2	3	22
311	Fabrication of independent contacts to two closely spaced two-dimensional electron gases using molecular beam epitaxy regrowth and in situ focused ion beam lithography. <i>Journal of Vacuum Science &amp; Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena</i> , <b>1994</b> , 12, 1293		22
310	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> , <b>2014</b> , 111, E5623-32	11-5	21

309	Efficient coupling of single photons to ridge-waveguide photonic integrated circuits. <i>Applied Physics Letters</i> , <b>2013</b> , 102, 131105	3.4	21
308	Continuous-wave operation of terahertz quantum-cascade lasers. <i>IEEE Journal of Quantum Electronics</i> , <b>2003</b> , 39, 586-591	2	21
307	Coherent imaging using laser feedback interferometry with pulsed-mode terahertz quantum cascade lasers. <i>Optics Express</i> , <b>2019</b> , 27, 10221-10233	3.3	21
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305	On-chip picosecond pulse detection and generation using graphene photoconductive switches. <i>Nano Letters</i> , <b>2015</b> , 15, 1591-6	11.5	20
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