

# Alessandro Tredicucci

## List of Publications by Year in descending order

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300  
papers

14,487  
citations

28274

55  
h-index

20961

115  
g-index

308  
all docs

308  
docs citations

308  
times ranked

12590  
citing authors

#	ARTICLE	IF	CITATIONS
1	Cryptographic Strain-Dependent Light Pattern Generators (Adv. Mater. Technol. 1/2022). Advanced Materials Technologies, 2022, 7, 2270002.	5.8	0
2	Micromechanical Bolometers for Subterahertz Detection at Room Temperature. ACS Photonics, 2022, 9, 360-367.	6.6	17
3	Electron localization in periodically strained graphene. Journal of Applied Physics, 2022, 131, 085103.	2.5	5
4	Unexpected Electron Transport Suppression in a Heterostructured Graphene-MoS <sub>2</sub> Multiple Field-Effect Transistor Architecture. ACS Nano, 2022, 16, 1291-1300.	14.6	9
5	Optomechanical Modulation Spectroscopy of Bound States in the Continuum in a Dielectric Metasurface. Physical Review Applied, 2022, 17, .	3.8	6
6	Antenna-Coupled Graphene Field-Effect Transistors as a Terahertz Imaging Array. IEEE Transactions on Terahertz Science and Technology, 2021, 11, 70-78.	3.1	7
7	Detection of fungal infections in chestnuts: a terahertz imaging-based approach. Food Control, 2021, 123, 107700.	5.5	14
8	Physics and technology of Terahertz quantum cascade lasers. Advances in Physics: X, 2021, 6, .	4.1	21
9	Continuous wave vertical emission from terahertz microcavity lasers with a dual injection scheme. Optics Express, 2021, 29, 33602.	3.4	0
10	Optomechanics of Chiral Dielectric Metasurfaces. Advanced Optical Materials, 2020, 8, 1901507.	7.3	24
11	Stress-strain in electron-beam activated polymeric micro-actuators. Journal of Applied Physics, 2020, 128, 115104.	2.5	3
12	Leaf water diffusion dynamics in vivo through a sub-terahertz portable imaging system. Journal of Physics: Conference Series, 2020, 1548, 012002.	0.4	3
13	Chiral Dielectric Metasurfaces: Optomechanics of Chiral Dielectric Metasurfaces (Advanced Optical) Tj ETQq1 1 0.784314 rgBT /Overl 7.3	7.3	1
14	Broadband Dynamic Polarization Conversion in Optomechanical Metasurfaces. Frontiers in Physics, 2020, 7, .	2.1	2
15	Highly resolved ultra-strong coupling between graphene plasmons and intersubband polaritons. Journal of the Optical Society of America B: Optical Physics, 2020, 37, 19.	2.1	3
16	Line-defect photonic crystal terahertz quantum cascade laser. Journal of Applied Physics, 2019, 126, .	2.5	2
17	THz Water Transmittance and Leaf Surface Area: An Effective Nondestructive Method for Determining Leaf Water Content. Sensors, 2019, 19, 4838.	3.8	15
18	Local tuning of WS <sub>2</sub> photoluminescence using polymeric micro-actuators in a monolithic van der Waals heterostructure. Applied Physics Letters, 2019, 115, .	3.3	9

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19	Microphotoluminescence ( $\frac{1}{4}$ PL) measurements of bidimensional materials in a custom-made setup. Journal of Physics: Conference Series, 2019, 1226, 012008.	0.4	0
20	Photonic bands, superchirality, and inverse design of a chiral minimal metasurface. Nanophotonics, 2019, 8, 2291-2301.	6.0	17
21	Mid-Infrared Spectroscopy of Pr <sup>3+</sup> :Lu <sub>2</sub> O <sub>3</sub> Single Crystal. , 2019, , .		0
22	An insight into the intermolecular vibrational modes of dicationic ionic liquids through far-infrared spectroscopy and DFT calculations. RSC Advances, 2019, 9, 30269-30276.	3.6	11
23	Development of graphene-based ionizing radiation sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 666-668.	1.6	2
24	Optomechanical response with nanometer resolution in the self-mixing signal of a terahertz quantum cascade laser. Optics Letters, 2019, 44, 5663.	3.3	5
25	Mid-infrared spectroscopic characterization of Pr <sup>3+</sup> :Lu <sub>2</sub> O <sub>3</sub> . Optical Materials Express, 2019, 9, 4464.	3.0	6
26	Chiral metasurface optomechanics. , 2019, , .		0
27	Patterned tungsten disulfide/graphene heterostructures for efficient multifunctional optoelectronic devices. Nanoscale, 2018, 10, 4332-4338.	5.6	28
28	Room-Temperature High-Gain Long-Wavelength Photodetector via Optical-Electrical Controlling of Hot Carriers in Graphene. Advanced Optical Materials, 2018, 6, 1800836.	7.3	28
29	Controlling local deformation in graphene using micrometric polymeric actuators. 2D Materials, 2018, 5, 045032.	4.4	14
30	Symmetry enhanced non-reciprocal polarization rotation in a terahertz metal-graphene metasurface. Optics Express, 2018, 26, 3328.	3.4	7
31	Understanding and overcoming fundamental limits of asymmetric light-light switches. Optics Express, 2018, 26, 3618.	3.4	2
32	Graphene Saturable Absorbers at Terahertz Frequency from Liquid Phase Exfoliation of Graphite. , 2018, , .		1
33	Coherent absorption of light by graphene and other optically conducting surfaces in realistic on-substrate configurations. APL Photonics, 2017, 2, .	5.7	19
34	Terahertz saturable absorbers from liquid phase exfoliation of graphite. Nature Communications, 2017, 8, 15763.	12.8	93
35	Continuous-wave laser operation of a dipole antenna terahertz microresonator. Light: Science and Applications, 2017, 6, e17054-e17054.	16.6	12
36	Coherent perfect absorption and transparency in lossy and loss/gain metasurface-embedding structures. , 2017, , .		1

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37	Mechanical oscillations in lasing microspheres. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	7
38	Non-invasive absolute measurement of leaf water content using terahertz quantum cascade lasers. <i>Plant Methods</i> , 2017, 13, 51.	4.3	28
39	Selfmix and optomechanics with silicon nitride membrane. , 2017, , .		0
40	Terahertz quantum cascade dipole-antenna vertically emitting continuous wave laser. , 2017, , .		0
41	Saturable absorption of femtosecond optical pulses in multilayer turbostratic graphene. <i>Optics Express</i> , 2016, 24, 15261.	3.4	8
42	Universal lineshapes at the crossover between weak and strong critical coupling in Fano-resonant coupled oscillators. <i>Scientific Reports</i> , 2016, 6, 24592.	3.3	15
43	Thermal noise and optomechanical features in the emission of a membrane-coupled compound cavity laser diode. <i>Scientific Reports</i> , 2016, 6, 31489.	3.3	8
44	Ultrafast optical modulation of magneto-optical terahertz effects occurring in a graphene-loaded resonant metasurface. <i>Proceedings of SPIE</i> , 2016, , .	0.8	1
45	Gate-Tunable Spatial Modulation of Localized Plasmon Resonances. <i>Nano Letters</i> , 2016, 16, 5688-5693.	9.1	23
46	Hyperuniform disordered terahertz quantum cascade laser. <i>Scientific Reports</i> , 2016, 6, 19325.	3.3	40
47	Anisotropic straining of graphene using micropatterned SiN membranes. <i>APL Materials</i> , 2016, 4, .	5.1	11
48	Low-threshold, Single-mode Defect Line Terahertz Quantum Cascade Laser. , 2016, , .		1
49	Tuning a microcavity-coupled terahertz laser. <i>Applied Physics Letters</i> , 2015, 107, 261108.	3.3	23
50	Magneto-optic transmittance modulation observed in a hybrid graphene-“split ring resonator terahertz metasurface. <i>Applied Physics Letters</i> , 2015, 107, .	3.3	39
51	Vertical coupling of laser glass microspheres to buried silicon nitride ellipses and waveguides. <i>Journal of Applied Physics</i> , 2015, 118, 093103.	2.5	1
52	Far-field characterization of the thermal dynamics in lasing microspheres. <i>Scientific Reports</i> , 2015, 5, 14452.	3.3	2
53	Black Phosphorus Terahertz Photodetectors. <i>Advanced Materials</i> , 2015, 27, 5567-5572.	21.0	269
54	Saturation and bistability of defect-mode intersubband polaritons. <i>Physical Review B</i> , 2015, 91, .	3.2	11

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55	Distributed feedback terahertz frequency quantum cascade lasers with dual periodicity gratings. Applied Physics Letters, 2015, 106, .	3.3	18
56	THz saturable absorption in turbostratic multilayer graphene on silicon carbide. Optics Express, 2015, 23, 11632.	3.4	23
57	Coherent perfect absorption in photonic structures. Rendiconti Lincei, 2015, 26, 219-230.	2.2	8
58	Strong opto-electro-mechanical coupling in a silicon photonic crystal cavity. Optics Express, 2015, 23, 3196.	3.4	52
59	Interferometric control of absorption in thin plasmonic metamaterials: general two port theory and broadband operation. Optics Express, 2015, 23, 9202.	3.4	26
60	THz quantum cascade lasers based on a hyperuniform design. Proceedings of SPIE, 2015, , .	0.8	9
61	Coherent absorption control in polaritonic systems. , 2015, , .		0
62	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. Nanoscale, 2015, 7, 4598-4810.	5.6	2,452
63	Terahertz detection by epitaxial-graphene field-effect-transistors on silicon carbide. Applied Physics Letters, 2015, 107, .	3.3	55
64	Dynamical back-action at 5.5 GHz in a corrugated optomechanical beam. AIP Advances, 2014, 4, .	1.3	18
65	Water-Dispersible Three-Dimensional LC-Nanoresonators. PLoS ONE, 2014, 9, e105474.	2.5	1
66	Terahertz photodetectors based on tapered semiconductor nanowires. Applied Physics Letters, 2014, 105, .	3.3	14
67	Photonic quasi-crystal terahertz lasers. Nature Communications, 2014, 5, 5884.	12.8	59
68	THz detection in graphene nanotransistors. , 2014, , .		0
69	Device Concepts for Graphene-Based Terahertz Photonics. IEEE Journal of Selected Topics in Quantum Electronics, 2014, 20, 130-138.	2.9	118
70	Tubeless biochip for chemical stimulation of cells in closed-bioreactors: anti-cancer activity of the catechinâ€“dextran conjugate. RSC Advances, 2014, 4, 35017-35026.	3.6	3
71	Mid-infrared intersubband polaritons in dispersive metal-insulator-metal resonators. Applied Physics Letters, 2014, 105, .	3.3	23
72	Perfect energy-feeding into strongly coupled systems and interferometric control of polaritonâ€“absorption. Nature Physics, 2014, 10, 830-834.	16.7	71

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73	Terahertz probe of individual subwavelength objects in a water environment. <i>Laser and Photonics Reviews</i> , 2014, 8, 734-742.	8.7	8
74	Photonic bands and defect modes in metallo-dielectric photonic crystal slabs. <i>Journal of the Optical Society of America B: Optical Physics</i> , 2014, 31, 1451.	2.1	4
75	High performance bilayer-graphene terahertz detectors. <i>Applied Physics Letters</i> , 2014, 104, .	3.3	149
76	Nanowire-based field effect transistors for terahertz detection and imaging systems. <i>Nanotechnology</i> , 2013, 24, 214005.	2.6	40
77	Electrical properties and band diagram of InSb-InAs nanowire type-III heterojunctions. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	4
78	Nanometer size field effect transistors for terahertz detectors. <i>Nanotechnology</i> , 2013, 24, 214002.	2.6	80
79	Nanotransistor based THz plasma detectors: low temperatures, graphene, linearity, and circular polarization studies. , 2013, , .		2
80	Photocurrent-based detection of terahertz radiation in graphene. <i>Applied Physics Letters</i> , 2013, 103, .	3.3	29
81	Distributed feedback Terahertz QCLs with a quasi-periodic Penrose patterning. , 2013, , .		0
82	Detection of a 2.8 THz quantum cascade laser with a semiconductor nanowire FET. , 2013, , .		0
83	Quantum-limited linewidth in THz quantum cascade lasers. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
84	Room-temperature nanowire terahertz photodetectors. <i>Proceedings of SPIE</i> , 2013, , .	0.8	0
85	THz-comb-assisted molecular spectroscopy. , 2013, , .		0
86	Fast, sensitive and low-noise nanowire and graphene field effect transistors for room-temperature detection of Terahertz quantum cascade laser emission. , 2013, , .		1
87	Sub-cycle switching of a photonic bandstructure via ultrastrong light-matter coupling. <i>EPJ Web of Conferences</i> , 2013, 41, 09009.	0.3	0
88	Room temperature terahertz detectors based on semiconductor nanowire field effect transistors. , 2012, , .		0
89	Non-equilibrium longitudinal and transverse optical phonons in terahertz quantum cascade lasers. <i>Applied Physics Letters</i> , 2012, 100, .	3.3	24
90	Terahertz confocal microscopy with a quantum cascade laser source. <i>Optics Express</i> , 2012, 20, 21924.	3.4	52

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91	Electron beam induced current in InSb-InAs nanowire type-III heterostructures. Applied Physics Letters, 2012, 101, 063116.	3.3	15
92	Terahertz confocal microscopy with a quantum cascade laser source. , 2012, , .		1
93	Ultrafast optical bleaching of intersubband cavity polaritons. Physical Review B, 2012, 86, .	3.2	21
94	Terahertz rectification by graphene field effect transistors. , 2012, , .		0
95	Analysis of line shapes and strong coupling with intersubband transitions in one-dimensional metalodielectric photonic crystal slabs. Physical Review B, 2012, 85, .	3.2	15
96	Sub-Cycle Switching of Ultrastrong Light-Matter Interaction in a 1D Photonic Bandstructure. , 2012, , .		0
97	Graphene field-effect transistors as room-temperature terahertz detectors. Nature Materials, 2012, 11, 865-871.	27.5	931
98	Coupling external cavity mid-IR quantum cascade lasers with low loss hollow metallic/dielectric waveguides. Applied Physics B: Lasers and Optics, 2012, 108, 255-260.	2.2	27
99	Phase-locking a THz quantum cascade laser to a THz comb through an all-optical beating. , 2012, , .		0
100	The intrinsic linewidth of a THz quantum cascade laser. , 2012, , .		0
101	Phase-locking to a free-space terahertz comb for metrological-grade terahertz lasers. Nature Communications, 2012, 3, 1040.	12.8	105
102	Nanowire and graphene architectures for Room Temperature THz detection. , 2012, , .		0
103	Semiconductor nanowire field-effect transistors: towards high-frequency THz detectors. , 2012, , .		1
104	Contacts shielding in nanowire field effect transistors. Journal of Applied Physics, 2012, 111, 064301.	2.5	6
105	Terahertz detection by heterostructured InAs/InSb nanowire based field effect transistors. Applied Physics Letters, 2012, 101, 141103.	3.3	25
106	Nonadiabatic switching of a photonic band structure: Ultrastrong light-matter coupling and slow-down of light. Physical Review B, 2012, 85, .	3.2	33
107	Quantum cascade laser: a compact, low cost, solid-state source for plasma diagnostics. Journal of Instrumentation, 2012, 7, C02018-C02018.	1.2	6
108	Quantum-limited frequency fluctuations in a terahertz laser. Nature Photonics, 2012, 6, 525-528.	31.4	146

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109	Room-Temperature Terahertz Detectors Based on Semiconductor Nanowire Field-Effect Transistors. Nano Letters, 2012, 12, 96-101.	9.1	171
110	Semiconductor nanowires for highly sensitive, room-temperature detection of terahertz quantum cascade laser emission. Applied Physics Letters, 2012, 100, .	3.3	50
111	Se-doping dependence of the transport properties in CBE-grown InAs nanowire field effect transistors. Nanoscale Research Letters, 2012, 7, 159.	5.7	25
112	Flexible, Low-loss Waveguide Designs for Efficient Coupling to Quantum Cascade Lasers in the Far-infrared. Journal of Infrared, Millimeter, and Terahertz Waves, 2012, 33, 319-326.	2.2	6
113	The intrinsic linewidth of THz quantum cascade lasers. , 2012, , .		0
114	Guiding a terahertz quantum cascade laser into low-loss hollow waveguides. , 2011, , .		0
115	Nanowire-based architectures for the detection of THz radiation. , 2011, , .		0
116	Frontend for a 2.5-THz heterodyne spectrometer without liquid cryogen. , 2011, , .		0
117	High efficiency coupling of Terahertz micro-ring quantum cascade lasers to the low-loss optical modes of hollow metallic waveguides. Optics Express, 2011, 19, 1122.	3.4	25
118	Tunable Emission in THz Quantum Cascade Lasers. IEEE Transactions on Terahertz Science and Technology, 2011, 1, 76-84.	3.1	88
119	Low-loss hollow metallic waveguides efficiently coupled to Terahertz micro-ring quantum cascade lasers. , 2011, , .		0
120	Terahertz quantum cascade laser coupled with high efficiency to the low loss optical modes of cylindrical hollow-core waveguides. Proceedings of SPIE, 2011, , .	0.8	0
121	Guiding a terahertz quantum cascade laser into a flexible silver-coated waveguide. Journal of Applied Physics, 2011, 110, .	2.5	17
122	One-dimensional surface-plasmon gratings for the excitation of intersubband polaritons in suspended membranes. Solid State Communications, 2011, 151, 1725-1727.	1.9	8
123	Photonic engineering of surface-emitting terahertz quantum cascade lasers. Laser and Photonics Reviews, 2011, 5, 647-658.	8.7	13
124	Lasing in planar semiconductor diodes. Applied Physics Letters, 2011, 99, 261110.	3.3	3
125	InAs/InP/InSb Nanowires as Low Capacitance $n$ -Heterojunction Diodes. Physical Review X, 2011, 1, .	8.9	21
126	Switching ultrastrong light-matter coupling on a subcycle scale. Journal of Applied Physics, 2011, 109, 102418.	2.5	9



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127	Monolithic focal plane arrays for terahertz active spectroscopic imaging: an experimental study. , 2011, , .		1
128	Engineering vertical emission in THz quantum cascade lasers. Proceedings of SPIE, 2010, , .	0.8	0
129	Impact of nonequilibrium phonons on the electron dynamics in terahertz quantum cascade lasers. Applied Physics Letters, 2010, 97, .	3.3	22
130	Superconducting microbolometer with microsecond time constant coupled to quantum cascade lasers. , 2010, , .		0
131	Non-equilibrium LO and TO phonon generation by electron transport in Terahertz quantum cascade lasers. , 2010, , .		0
132	Quasi-periodic distributed feedback laser. Nature Photonics, 2010, 4, 165-169.	31.4	99
133	Submegahertz frequency stabilization of a terahertz quantum cascade laser to a molecular absorption line. Applied Physics Letters, 2010, 96, .	3.3	63
134	Optical characterization of a superconducting hotspot air-bridge bolometer. , 2010, , .		1
135	Intersubband polaritons in a one-dimensional surface plasmon photonic crystal. Applied Physics Letters, 2010, 97, 231123.	3.3	26
136	High-power surface emission from terahertz distributed feedback lasers with a dual-slit unit cell. Applied Physics Letters, 2010, 96, .	3.3	42
137	THz communication system based on a THz Quantum Cascade Laser and a Hot Electron Bolometer. , 2010, , .		2
138	Extreme THz nonlinearities in bulk and nanostructured semiconductors. Proceedings of SPIE, 2010, , .	0.8	0
139	Terahertz quantum optics with solid-state systems. , 2010, , .		0
140	Tuning a distributed feedback laser with a coupled microcavity. Optics Express, 2010, 18, 19185.	3.4	30
141	Differential Scanning Optical Microscopy with a THz quantum cascade laser source. , 2010, , .		0
142	Using terahertz cascade lasers for determination of optical losses in active medium of silicon intracenter lasers. , 2010, , .		1
143	Slits, curves, chains and rings: how to mix the right ingredients for surface-emitting THz quantum cascade lasers. , 2010, , .		0
144	Wide dynamic range terahertz detector pixel for active spectroscopic imaging with quantum cascade lasers. Applied Physics Letters, 2009, 95, .	3.3	16

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145	Ultra-intense THz source and extreme THz nonlinearities in condensed matter. , 2009, , .		0
146	Distributed feedback ring resonators for vertically emitting terahertz quantum cascade lasers. , 2009, , .		0
147	Development of a THz heterodyne receiver with quantum cascade laser and hot electron bolometer mixer for standoff detection of explosive material. Proceedings of SPIE, 2009, , .	0.8	1
148	Sub-cycle switch-on of ultrastrong light-matter interaction. Nature, 2009, 458, 178-181.	27.8	498
149	Long life in zero dimensions. Nature Materials, 2009, 8, 775-776.	27.5	15
150	Vertically emitting microdisk lasers. Nature Photonics, 2009, 3, 46-49.	31.4	119
151	An ultrafast amplifier. Nature Photonics, 2009, 3, 681-682.	31.4	5
152	Signatures of the ultrastrong light-matter coupling regime. Physical Review B, 2009, 79, .	3.2	268
153	Finite size effects in surface emitting Terahertz quantum cascade lasers. Optics Express, 2009, 17, 6703.	3.4	12
154	Distributed feedback ring resonators for vertically emitting terahertz quantum cascade lasers. Optics Express, 2009, 17, 13031.	3.4	31
155	Resonant tuning fork detector for THz radiation. Optics Express, 2009, 17, 14069.	3.4	17
156	Spectral behavior of a terahertz quantum-cascade laser. Optics Express, 2009, 17, 20476.	3.4	19
157	Differential Near-Field Scanning Optical Microscopy with THz quantum cascade laser sources. Optics Express, 2009, 17, 23785.	3.4	14
158	THz differential near-field scanning optical microscopy for biological applications. , 2009, , .		0
159	Gain recovery dynamics of a terahertz quantum cascade laser. Physical Review B, 2009, 80, .	3.2	28
160	How fast electrons and photons mix: Sub-cycle switching of intersubband cavity polaritons. Journal of Physics: Conference Series, 2009, 193, 012060.	0.4	2
161	Femtosecond Formation of Ultrastrong Light-Matter Interaction. Springer Series in Chemical Physics, 2009, , 295-297.	0.2	0
162	Switch-on of Ultrastrong Light-Matter Interaction Faster than a Cycle of Light. , 2009, , .		0

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163	Tailoring light-matter interaction in intersubband microcavities. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1906-1908.	2.7	0
164	Terahertz quantum cascade lasers with quasi-periodic resonators. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2176-2178.	2.7	0
165	THz quantum cascade designs for optimized injection. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 2207-2209.	2.7	13
166	Linewidth enhancement factor of terahertz quantum cascade lasers. Applied Physics Letters, 2008, 92, .	3.3	87
167	THECAMAP: Terahertz Camera for Medical Application. , 2008, , .		0
168	Frequency tunability and mode switching of 2.5 THz quantum cascade lasers. , 2008, , .		0
169	Low cost thermopile detectors for THz imaging and sensing. , 2008, , .		2
170	High-resolution molecular spectroscopy with 2.5 terahertz quantum cascade lasers. , 2008, , .		0
171	Progress towards a 2.5-THz solid state heterodyne receiver with quantum cascade laser and hot electron bolometric mixer. , 2008, , .		1
172	Terahertz heterodyne receiver with quantum cascade laser and hot electron bolometer mixer in a pulse tube cooler. Applied Physics Letters, 2008, 93, 141108.	3.3	71
173	Laser Local Oscillators for Heterodyne Receivers beyond 2 Terahertz. Frequenz, 2008, 62, 111-117.	0.9	2
174	Vertically emitting microdisk lasers. , 2008, , .		1
175	New detection scheme for THz radiation &#x2014; photon momentum detector. , 2008, , .		0
176	Linewidth enhancement factor of a THz quantum cascade laser. , 2007, , .		0
177	Spectral characterization of terahertz quantum cascade lasers by heterodyne and homodyne mixing. , 2007, , .		0
178	Recent advances and future prospects of THz quantum cascade lasers. , 2007, , .		1
179	Terahertz Quantum Cascade Lasers: Novel Resonators and Linewidth Properties. , 2007, , .		0
180	Cavity polaritons from excited-subband transitions. Applied Physics Letters, 2007, 91, 231118.	3.3	25

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181	Round-Robin Measurements of Linewidth Enhancement Factor of Semiconductor Lasers in COST 288 Action. , 2007, , .		2
182	Terahertz receivers development for astronomy and security applications. , 2007, , .		0
183	Antireflection Coating for External-Cavity Quantum Cascade Laser Near 5 THz. Materials Research Society Symposia Proceedings, 2007, 1016, 1.	0.1	1
184	Controlling Polariton Coupling in Intersubband Microcavities. AIP Conference Proceedings, 2007, , .	0.4	0
185	Tunable terahertz quantum cascade lasers with an external cavity. Applied Physics Letters, 2007, 91, 121104.	3.3	74
186	Amplification of terahertz radiation in quantum cascade structures. Journal of Applied Physics, 2007, 102, 063101.	2.5	16
187	Frequency tuning of THz quantum cascade lasers. , 2007, , .		0
188	Controlling polariton coupling in intersubband microcavities. Superlattices and Microstructures, 2007, 41, 308-312.	3.1	3
189	Giant intersubband polariton splitting in InAs/AlSb microcavities. Solid State Communications, 2007, 142, 311-313.	1.9	8
190	Frequency Characterization of a Terahertz Quantum-Cascade Laser. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 262-265.	4.7	9
191	Molecular Spectroscopy with TeraHertz Quantum Cascade Lasers. Journal of Nanoelectronics and Optoelectronics, 2007, 2, 101-107.	0.5	17
192	An External Cavity 4.7 Terahertz Quantum Cascade Laser. , 2007, , .		2
193	Tunnel-assisted manipulation of intersubband polaritons in asymmetric coupled quantum wells. Applied Physics Letters, 2006, 89, 171109.	3.3	33
194	Surface plasmon photonic structures in terahertz quantum cascade lasers. Optics Express, 2006, 14, 5335.	3.4	64
195	Heterodyne receiver at 2.5 THz with quantum cascade laser and hot electron bolometric mixer. , 2006, 6275, 132.		2
196	Electronic and lattice temperatures in bound-to-continuum terahertz quantum cascade lasers. , 2006, , .		1
197	Electron-lattice coupling in bound-to-continuum THz quantum-cascade lasers. Applied Physics Letters, 2006, 88, 241109.	3.3	38
198	High-resolution gas phase spectroscopy with a distributed feedback terahertz quantum cascade laser. Applied Physics Letters, 2006, 89, 061115.	3.3	141

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199	High Resolution Gas Phase Spectroscopy with a Quantum Cascade Laser at 2.5 THz. , 2006, , .		2
200	Controlling the emission of THz Quantum Cascade Lasers. , 2006, , .		0
201	MBE growth of terahertz quantum cascade lasers. Journal of Crystal Growth, 2005, 278, 756-764.	1.5	33
202	Terahertz quantum cascade lasersâ€™ first demonstration and novel concepts. Semiconductor Science and Technology, 2005, 20, S222-S227.	2.0	42
203	Electrical control of polariton coupling in intersubband microcavities. Applied Physics Letters, 2005, 87, 051105.	3.3	68
204	Terahertz quantum cascade laser as local oscillator in a heterodyne receiver. Optics Express, 2005, 13, 5890.	3.4	156
205	High-performance operation of single-mode terahertz quantum cascade lasers with metallic gratings. Applied Physics Letters, 2005, 87, 181101.	3.3	77
206	Advances in THz quantum cascade lasers: fulfilling the application potential. , 2005, 5738, 146.		14
207	THz Quantum Cascade Lasers: Developing New Operating Concepts and Advancing Application Technologies. , 2005, , .		0
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