

# Jerome Faist

## List of Publications by Year in descending order

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879  
papers

35,002  
citations

4345

89  
h-index

6349

163  
g-index

889  
all docs

889  
docs citations

889  
times ranked

13784  
citing authors

#	ARTICLE	IF	CITATIONS
1	Roadmap on multimode light shaping. <i>Journal of Optics (United Kingdom)</i> , 2022, 24, 013001.	1.0	41
2	Quantum cascade laser absorption spectrometer with a low temperature multipass cell for precision clumped CO <sub>2</sub> measurement. <i>Optics Express</i> , 2022, 30, 4631.	1.7	4
3	Ultra-low threshold lasing through phase front engineering via a metallic circular aperture. <i>Nature Communications</i> , 2022, 13, 230.	5.8	4
4	Frequency axis for swept dual-comb spectroscopy with quantum cascade lasers. <i>Optics Letters</i> , 2022, 47, 625.	1.7	7
5	Monolithic Integration of Mid-Infrared Quantum Cascade Lasers and Frequency Combs with Passive Waveguides. <i>ACS Photonics</i> , 2022, 9, 426-431.	3.2	9
6	Absolute frequency referencing in the long wave infrared using a quantum cascade laser frequency comb. <i>Optics Express</i> , 2022, 30, 12891.	1.7	11
7	Mid-infrared femtosecond pulses from a quantum cascade laser. , 2022, , .		0
8	Breakdown of topological protection by cavity vacuum fields in the integer quantum Hall effect. <i>Science</i> , 2022, 375, 1030-1034.	6.0	57
9	Glass-in-glass infiltration for 3D micro-optical composite components. <i>Optics Express</i> , 2022, 30, 13603.	1.7	2
10	Dissipative Kerr solitons in semiconductor ring lasers. <i>Nature Photonics</i> , 2022, 16, 142-147.	15.6	45
11	Exceptional point singularities in multi-section DFB lasers. <i>New Journal of Physics</i> , 2022, 24, 053047.	1.2	1
12	An ultrastrongly coupled single terahertz meta-atom. <i>Nature Communications</i> , 2022, 13, 2528.	5.8	20
13	<a href="http://www.w3.org/1998/Math/MathML">Interdash Coupling within Dense Ensembles of Quantum Dashes: Comparison of <math>\ln</math> As</a>		

#	ARTICLE	IF	CITATIONS
19	Comb-Calibrated Spectroscopy using a Quantum Cascade Laser Frequency Comb in the Long-Wave Infrared. , 2022, , .		0
20	Engineering quantum materials with chiral optical cavities. Nature Materials, 2021, 20, 438-442.	13.3	120
21	Self-Starting Harmonic Combs in THz Quantum Cascade Lasers. , 2021, , .		0
22	Terahertz Generation in Thin-film Lithium Niobate Platform. , 2021, , .		1
23	Y-coupled THz Quantum Cascade Laser Frequency Comb. , 2021, , .		0
24	Time-resolved 2D THz-Spectroscopy on a THz quantum cascade structure. , 2021, , .		0
25	Monolithically integrated laser platform for the mid-infrared. , 2021, , .		0
26	Ultra-low threshold quantum cascade laser. , 2021, , .		0
27	Bound-to-continuum Non-perturbative Regime for an Ultrastong Light-matter Coupling. , 2021, , .		0
28	Mid-infrared quantum cascade laser frequency combs with a microstrip-like line waveguide geometry. Applied Physics Letters, 2021, 118, .	1.5	24
29	Self-starting harmonic comb emission in THz quantum cascade lasers. Applied Physics Letters, 2021, 118, .	1.5	32
30	THz intersubband electroluminescence from n-type Ge/SiGe quantum cascade structures. Applied Physics Letters, 2021, 118, .	1.5	15
31	Controlling and Phase-€locking a THz Quantum Cascade Laser Frequency Comb by Small Optical Frequency Tuning. Laser and Photonics Reviews, 2021, 15, 2000417.	4.4	11
32	Bayesian optimization of quantum cascade detectors. Optical and Quantum Electronics, 2021, 53, 1.	1.5	6
33	Inducing new material properties with hybrid light-€matter states. Physics Today, 2021, 74, 42-48.	0.3	27
34	Frequency Control of a Mid-Infrared Quantum Cascade Laser Frequency Comb by Near-Infrared Light Injection and Intensity Modulation. , 2021, , .		1
35	Ultra-low Threshold Quantum Cascade Laser. , 2021, , .		0
36	THz electroluminescence from non-polar ZnO quantum cascade structures. , 2021, , .		0

#	ARTICLE	IF	CITATIONS
37	Linewidth Enhancement Factor of Mid-IR Quantum Cascade Lasers. , 2021, , .		1
38	Coherent mid-infrared dual-comb spectroscopy enabled by optical injection locking of quantum cascade laser frequency combs. , 2021, , .		0
39	Monte Carlo Modeling of a Short Wavelength Strain Compensated Quantum Cascade Detector. , 2021, , .		0
40	Coherent Broadening and Tuning of QCL Frequency Combs via RF-Injection. , 2021, , .		0
41	Terahertz intersubband electroluminescence from n-type germanium quantum wells. , 2021, , .		0
42	Coherently-averaged dual comb spectrometer at $7.7\ \mu\text{m}$ with master and follower quantum cascade lasers. Optics Express, 2021, 29, 19126.	1.7	10
43	Demonstration of a Resonantly Amplified Terahertz Quantum Cascade Detector. , 2021, , .		0
44	Breakdown of polaritons in ultrastrongly coupled nanophotonic systems. , 2021, , .		0
45	A Broadband Suspended Hollow Vivaldi Antenna for THz Quantum Cascade Lasers. , 2021, , .		0
46	THz Quantum Cascade Laser Frequency Comb based on a Y-coupled Planarized Waveguide. , 2021, , .		0
47	Shifted Wave Interference Fourier Transform Spectroscopy of THz Quantum Cascade Laser Frequency Combs operating above 70 K. , 2021, , .		0
48	Spectra Characterization of Ring Quantum Cascade lasers. , 2021, , .		0
49	Pure and Self-starting Harmonic Combs in THz Quantum Cascade Lasers: Theory and Experiments. , 2021, , .		0
50	SI-traceable frequency dissemination at $1572.06\ \mu\text{m}$ in a stabilized fiber network with ring topology. Optics Express, 2021, 29, 24592.	1.7	16
51	Polaritonic nonlocality in light-matter interaction. Nature Photonics, 2021, 15, 690-695.	15.6	36
52	THz Ultrastrong Coupling in an Engineered Fabry-Perot Cavity. ACS Photonics, 2021, 8, 2692-2698.	3.2	17
53	All-Mid-Infrared Stabilized Quantum Cascade Laser Frequency Comb with 30-kHz Frequency Stability at $7.7\ \mu\text{m}$ . , 2021, , .		0
54	Exploring field correlation measurements on the electromagnetic ground state in non-local regime. , 2021, , .		0

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55	Femtosecond pulses from a mid-infrared quantum cascade laser. , 2021, , .		0
56	Terahertz Intersubband Electroluminescence from Nonpolar m-Plane ZnO Quantum Cascade Structures. ACS Photonics, 2021, 8, 343-349.	3.2	18
57	High-speed CMOS-compatible III-V on Si membrane photodetectors. Optics Express, 2021, 29, 509.	1.7	21
58	Ultra-low Threshold Quantum Cascade Laser. , 2021, , .		1
59	Y-coupled planarized waveguide THz quantum cascade laser frequency comb. , 2021, , .		0
60	Thin-film lithium niobate integrated circuits for terahertz generation and detection. , 2021, , .		0
61	Breakdown of Polaritons in Nanophotonic Systems. , 2021, , .		0
62	Resonant Amplification Enhanced Terahertz Quantum Cascade Detection. , 2021, , .		0
63	FM to AM Transition of RF Driven THz QCL Comb States. , 2021, , .		0
64	Regenerative terahertz quantum detectors. APL Photonics, 2021, 6, .	3.0	14
65	Frequency Comb Operation of a Y-Coupled Planarized THz Quantum Cascade Laser. , 2021, , .		0
66	THz Intersubband Emitter based on Silicon. , 2021, , .		0
67	Shifted Wave Interference Fourier Transform Spectroscopy of Harmonic and Fundamental RF Injection-Locked THz Quantum Cascade Laser Frequency Combs. , 2021, , .		0
68	Direct measurement of the linewidth enhancement factor of distributed feedback mid-IR QCLs. , 2021, , .		0
69	Terahertz Quantum Cascade Detection Through Regenerative Amplification. , 2021, , .		0
70	Controlling Quantum Cascade Laser Optical Frequency Combs through Microwave Injection. Laser and Photonics Reviews, 2021, 15, 2100242.	4.4	23
71	Femtosecond pulses from a mid-infrared quantum cascade laser. Nature Photonics, 2021, 15, 919-924.	15.6	42
72	Ensemble Monte Carlo modeling of quantum cascade detectors. Journal of Applied Physics, 2021, 130, 203103.	1.1	2

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73	Femtosecond pulses from a mid-infrared quantum cascade laser. , 2021, , .		0
74	Steady state lasing in strained germanium microbridges as fundamental measure for the crossover to direct band gap. , 2021, , .		0
75	Mixing Properties of Room Temperature Patch Antenna Receivers in a Mid-Infrared (1.9 $\mu\text{m}$ ) Heterodyne System. Laser and Photonics Reviews, 2020, 14, 1900207.	4.4	12
76	Electron Population Dynamics in Optically Pumped Asymmetric Coupled Ge/SiGe Quantum Wells: Experiment and Models. Photonics, 2020, 7, 2.	0.9	5
77	Topological charge of finite-size photonic crystal modes. Physical Review B, 2020, 102, .	1.1	10
78	Quantum Electrodynamical Control of Matter: Cavity-Enhanced Ferroelectric Phase Transition. Physical Review X, 2020, 10, .	2.8	72
79	Numerical Optimization of Quantum Cascade Detector Heterostructures. , 2020, , .		2
80	Bayesian Optimization of Terahertz Quantum Cascade Lasers. Physical Review Applied, 2020, 13, .	1.5	21
81	Noninvasive Near-Field Spectroscopy of Single Subwavelength Complementary Resonators. Laser and Photonics Reviews, 2020, 14, 1900254.	4.4	9
82	Landau polaritons in highly nonparabolic two-dimensional gases in the ultrastrong coupling regime. Physical Review B, 2020, 101, .	1.1	27
83	RF Injection of THz QCL Combs at 80 K Emitting over 700 GHz Spectral Bandwidth. Photonics, 2020, 7, 9.	0.9	14
84	Photon-Driven Broadband Emission and Frequency Comb RF Injection Locking in THz Quantum Cascade Lasers. ACS Photonics, 2020, 7, 784-791.	3.2	44
85	An antipodal Vivaldi antenna for improved far-field properties and polarization manipulation of broadband terahertz quantum cascade lasers. Applied Physics Letters, 2020, 116, .	1.5	7
86	High-Resolution and Gapless Dual Comb Spectroscopy with Current-Tuned Quantum Cascade Lasers. , 2020, , .		1
87	High-resolution and gapless dual comb spectroscopy with current-tuned quantum cascade lasers. Optics Express, 2020, 28, 6197.	1.7	53
88	Terahertz absorption-saturation and emission from electron-doped germanium quantum wells. Optics Express, 2020, 28, 7245.	1.7	12
89	Design and simulation of losses in Ge/SiGe terahertz quantum cascade laser waveguides. Optics Express, 2020, 28, 4786.	1.7	11
90	Frequency noise correlation between the offset frequency and the mode spacing in a mid-infrared quantum cascade laser frequency comb. Optics Express, 2020, 28, 8200.	1.7	10

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91	Mid-infrared frequency comb from a ring quantum cascade laser. <i>Optica</i> , 2020, 7, 162.	4.8	60
92	Electro-optic interface for ultrasensitive intracavity electric field measurements at microwave and terahertz frequencies. <i>Optica</i> , 2020, 7, 498.	4.8	39
93	Two-dimensional spectroscopy on a THz quantum cascade structure. <i>Nanophotonics</i> , 2020, 10, 171-180.	2.9	10
94	Monte Carlo Modeling of Terahertz Quantum Cascade Detectors. , 2020, , .		4
95	Mid-Infrared Frequency Comb from a Ring Quantum Cascade Laser. , 2020, , .		1
96	Terahertz quantum optics in the time-domain: from field correlation measurements on vacuum field fluctuations in free space towards cavity electro-optics. , 2020, , .		0
97	Topological charge of finite-size photonic crystal lasing modes. , 2020, , .		0
98	Ridge-width dependence of the dispersion and performance of mid-infrared quantum cascade laser frequency combs. , 2020, , .		1
99	High-Resolution and Gapless Dual Comb Spectroscopy with Current-Tuned Quantum Cascade Lasers for Environmental Applications. , 2020, , .		1
100	Broadband THz quantum cascade lasers frequency combs: high temperature operation and harmonic state. , 2020, , .		0
101	Gapless High-Resolution Dual Comb Spectroscopy with Current-Tuned Quantum Cascade Lasers. , 2020, , .		0
102	Integrated Plasmonic Terahertz Field Detector. , 2020, , .		0
103	Noise Correlation Between the Two Degrees of Freedom of a Mid-Infrared Quantum Cascade Laser Frequency Comb. , 2020, , .		0
104	10.1063/5.0004038.1. , 2020, , .		0
105	Mid-infrared quantum cascade laser frequency combs based on multi-section waveguides. <i>Optics Letters</i> , 2020, 45, 6462.	1.7	10
106	Correlation between strain and maximum lasing temperature in GeSn microbridges. , 2020, , .		0
107	Continuous wave lasing in strained germanium microbridge. , 2020, , .		0
108	Perspectives on electrically pumped Ge/SiGe QW emitters at THz frequencies. , 2020, , .		0

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109	Post-processing GHz-level frequency tuning of THz Quantum Cascade Lasers. , 2020, , .		0
110	Terahertz quantum cascade laser frequency comb operation of a coupled waveguide array. , 2020, , .		0
111	Terahertz intersubband electroluminescence from ZnO quantum cascade structures. , 2020, , .		0
112	2D - THz-Spectroscopy on a Quantum Cascade Structure. , 2020, , .		0
113	Electro-optic interface for ultrasensitive intra-cavity electric field sensing. , 2020, , .		0
114	Microelectromechanical control of the state of quantum cascade laser frequency combs. Applied Physics Letters, 2019, 115, 021105.	1.5	6
115	An electrically pumped phonon-polariton laser. Science Advances, 2019, 5, eaau1632.	4.7	36
116	Multi-wavelength distributed feedback quantum cascade lasers for broadband trace gas spectroscopy. Semiconductor Science and Technology, 2019, 34, 083001.	1.0	10
117	Thermoelectrically cooled THz quantum cascade laser operating up to 210 K. Applied Physics Letters, 2019, 115, .	1.5	178
118	Observation of Intersubband Absorption in $ZnO$ Coupled Quantum Wells. Physical Review Applied, 2019, 12, .	1.5	11
119	Homogeneous, Bound-to-Continuum THz QCL Active Region Design Featuring 1.65 THz Emission Bandwidth in CW. , 2019, , .		0
120	Optimization and Fabrication of Two-Quantum Well THz QCLs Operating above 200 K. , 2019, , .		1
121	Magneto-transport of 2DEGs ultrastrongly coupled to vacuum fields. , 2019, , .		0
122	Inhomogeneous Broadening of a Polaritonic Mode in the Ultrastrong Coupling Regime. , 2019, , .		0
123	A Broadband Polarization-Rotating Vivaldi Antenna for Beam Focusing of Terahertz Quantum Cascade Lasers. , 2019, , .		0
124	GeSn Lasers with Uniaxial Tensile Strain in the Gain Medium. , 2019, , .		0
125	Mid-Infrared Frequency Comb from a Ring Quantum Cascade Laser. , 2019, , .		0
126	Gain dynamics in THz QCLs and its implication for THz comb sources. , 2019, , .		0



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127	Spectral Interleaving with Quantum Cascade Laser Frequency Combs. , 2019, , .		0
128	GeSn Lasers Covering a Wide Wavelength Range Thanks to Uniaxial Tensile Strain. ACS Photonics, 2019, 6, 2462-2469.	3.2	105
129	Strained Germanium Lasing in the Mid-Infrared. , 2019, , .		0
130	Room temperature surface emission on large-area photonic crystal quantum cascade lasers. Applied Physics Letters, 2019, 114, .	1.5	26
131	Retrieval of phase relation and emission profile of quantum cascade laser frequency combs. Nature Photonics, 2019, 13, 562-568.	15.6	76
132	Lasing in strained germanium microbridges. Nature Communications, 2019, 10, 2724.	5.8	89
133	On-chip mid-infrared and THz frequency combs for spectroscopy. Applied Physics Letters, 2019, 114, .	1.5	51
134	Room temperature operation of <i>n</i> -type Ge/SiGe terahertz quantum cascade lasers predicted by non-equilibrium Green's functions. Applied Physics Letters, 2019, 114, .	1.5	45
135	Electric field correlation measurements on the electromagnetic vacuum state. Nature, 2019, 568, 202-206.	13.7	82
136	The Upper Branch Broadening in Ultrastrongly Coupled THz Landau Polaritons. , 2019, , .		1
137	Electron-doped SiGe Quantum Well Terahertz Emitters pumped by FEL pulses. , 2019, , .		0
138	Low RF-Power Injection-Locking and Beatnote Control of Terahertz Quantum Cascade Laser Frequency Combs. , 2019, , .		0
139	Low-Loss RF Cavity for Quantum Cascade Laser Frequency Combs. , 2019, , .		0
140	N-Type Ge/SiGe Quantum Cascade Heterostructures for THz Emission. , 2019, , .		1
141	Large Area Surface-Emitting Photonic Crystal Quantum Cascade Laser. , 2019, , .		1
142	Retrieving the Phase Relation of a Quantum Cascade Laser Frequency Comb and Reconstructing its Emission Profile. , 2019, , .		0
143	Si-based n-type THz Quantum Cascade Emitter. , 2019, , .		0
144	Probe-Sample Interaction in Aperture-type THz Near-Field Microscopy of Complementary Resonators. , 2019, , .		0

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145	Strained Germanium Lasing in the Mid-Infrared. , 2019, , .		0
146	GeSn Lasers with Uniaxial Tensile Strain in the Gain Medium. , 2019, , .		0
147	Dispersion measurements of Terahertz Quantum Cascade Fabry-Pérot cavities and VECSELS. , 2019, , .		0
148	High-Quality n-Type Ge/SiGe Multilayers for THz Quantum Cascade Lasers. , 2019, , .		0
149	1.65 THz Spanning Homogeneous THz Quantum Cascade Laser: Comb Operation and Injection Locking. , 2019, , .		0
150	THz Quantum Cascade Lasers Operating up to 210 K. , 2019, , .		0
151	Compact and ultra-efficient broadband plasmonic terahertz field detector. Nature Communications, 2019, 10, 5550.	5.8	77
152	A broadband polarization-rotating antipodal Vivaldi antenna for improved far-field properties of terahertz quantum cascade lasers. , 2019, , .		0
153	Control of Electron-State Coupling in Asymmetric $\text{Ge}/\text{Si}$ Quantum Wells. Physical Review Applied. 2019, 11, .	1.5	25
154	Magneto-transport controlled by Landau polariton states. Nature Physics, 2019, 15, 186-190.	6.5	115
155	Pulses from a mid-infrared quantum cascade laser frequency comb using an external compressor. Journal of the Optical Society of America B: Optical Physics, 2019, 36, 1676.	0.9	15
156	Terahertz refractive index matching solution. Optics Express, 2019, 27, 14536.	1.7	14
157	Large area photonic crystal quantum cascade laser with 5 W surface-emitting power. Optics Express, 2019, 27, 22708.	1.7	29
158	Quantum cascade frequency combs: physics and applications. , 2019, , .		0
159	Optomechanical Control of the State of Chip-Scale Frequency Combs. , 2019, , .		0
160	Over 2W room temperature lasing on a large area photonic crystal quantum cascade laser. , 2019, , .		0
161	Heterogeneous THz quantum cascade lasers: Gain recovery dynamics study. , 2019, , .		0
162	Optimization and fabrication of two-quantum well THz QCLs operating above 200 K. , 2019, , .		0

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163	Optomechanical control of quantum cascade laser frequency combs. , 2019, , .		0
164	Three-Dimensional Phase Modulator at Telecom Wavelength Acting as a Terahertz Detector with an Electro-Optic Bandwidth of 1.25 Terahertz. ACS Photonics, 2018, 5, 1398-1403.	3.2	34
165	Quantum model of gain in phonon-polariton lasers. Physical Review B, 2018, 97, .	1.1	10
166	Two-well quantum cascade laser optimization by non-equilibrium Green's function modelling. Applied Physics Letters, 2018, 112, .	1.5	53
167	Coupled-Waveguides for Dispersion Compensation in Semiconductor Lasers. Laser and Photonics Reviews, 2018, 12, 1700323.	4.4	23
168	Room-temperature nine-Åµm-wavelength photodetectors and GHz-frequency heterodyne receivers. Nature, 2018, 556, 85-88.	13.7	197
169	Single-Shot Microsecond-Resolved Spectroscopy of the Bacteriorhodopsin Photocycle with Quantum Cascade Laser Frequency Combs. Biophysical Journal, 2018, 114, 173a.	0.2	4
170	Heterogeneous terahertz quantum cascade lasers exceeding 1.9 THz spectral bandwidth and featuring dual comb operation. Nanophotonics, 2018, 7, 237-242.	2.9	49
171	Critical Mode Softening in Ultra-Strong Coupling of Landau Level Transitions to THz Metamaterials Beyond the Hopfield Model. , 2018, , .		0
172	High-T <sub>c</sub> superconducting metasurfaces for ultra-strong coupling experiments at THz frequencies. , 2018, , .		0
173	Field correlation measurements of photon modes with sub-unity photon occupation per mode inside a Fabry-Perot cavity. , 2018, , .		0
174	Broadband On-Chip Thz Frequency Combs. , 2018, , .		0
175	Gain dynamics in a heterogeneous terahertz quantum cascade laser. Applied Physics Letters, 2018, 113, .	1.5	25
176	Gain recovery dynamics in broadband terahertz quantum cascade lasers. , 2018, , .		0
177	CMOS-Compatible Hybrid III-V/Si Photodiodes Using a Lateral Current Collection Scheme. , 2018, , .		6
178	High T <sub>c</sub> Superconducting THz Metamaterial for Ultrastrong Coupling in a Magnetic Field. ACS Photonics, 2018, 5, 3977-3983.	3.2	19
179	Dual-comb spectroscopy using plasmon-enhanced-waveguide dispersion-compensated quantum cascade lasers. Optics Letters, 2018, 43, 4522.	1.7	18
180	Multi-species trace gas sensing with dual-wavelength QCLs. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	28

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181	Dual-wavelength DFB quantum cascade lasers: sources for multi-species trace gas spectroscopy. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	22
182	Magnetoplasmonic enhancement of Faraday rotation in patterned graphene metasurfaces. Physical Review B, 2018, 97, .	1.1	27
183	Room-Temperature, Wide-Band, Quantum Well Infrared Photodetector for Microwave Optical Links at 4.9 $\mu$ m Wavelength. ACS Photonics, 2018, 5, 3689-3694.	3.2	27
184	Multisubband Plasmons in Doped $ZnO$ Quantum Wells. Physical Review Applied, 2018, 10, .	1.5	20
185	Tunable dispersion compensation of quantum cascade laser frequency combs. Optics Letters, 2018, 43, 1746.	1.7	29
186	Single-Shot Sub-microsecond Mid-infrared Spectroscopy on Protein Reactions with Quantum Cascade Laser Frequency Combs. Analytical Chemistry, 2018, 90, 10494-10500.	3.2	123
187	Dual-wavelength DFB quantum cascade lasers for multi-species trace gas spectroscopy. , 2018, , .		0
188	Superradiantly Limited Linewidth in Complementary THz Metamaterials on Si Membranes. Advanced Optical Materials, 2018, 6, 1800210.	3.6	10
189	Coexisting frequency combs spaced by an octave in a monolithic quantum cascade laser. Optics Express, 2018, 26, 23167.	1.7	9
190	Evidence of linear chirp in mid-infrared quantum cascade lasers. Optica, 2018, 5, 948.	4.8	110
191	Octave-Spaced, Dual-Frequency Comb Quantum Cascade Laser Source in a Single Monolithic Waveguide. , 2018, , .		1
192	Superradiantly Limited Linewidth of Complementary THz Split Ring Resonators on Si-Membranes and Surface Plasmon Polaritons. , 2018, , .		0
193	Multi-Species, High-Precision MIR Trace Gas Detection for Environmental Applications. , 2018, , .		0
194	Direct Measurement of the Phase Coherence of Comb Sources. , 2018, , .		0
195	QCL absorption spectroscopy for lightweight and multi-species environmental applications. , 2018, , .		0
196	Tomography of an ultrastrongly coupled polariton state using Quantum Hall transport under irradiation. , 2018, , .		0
197	Hybrid Nano-Gap LC-Metasurface at 300 GHz Ultrastrongly Coupled to Less than 100 Electrons. , 2018, , .		0
198	Standoff detection from diffusely scattering surfaces using dual quantum cascade laser comb spectroscopy. , 2018, , .		0

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199	Disorder effects in InAs/GaSb topological insulator candidates. <i>Physical Review B</i> , 2017, 95, .	1.1	2
200	Raman-strain relations in highly strained Ge: Uniaxial $\sim 100\%$ , $\sim 110\%$ and biaxial (001) stress. <i>Journal of Applied Physics</i> , 2017, 121, .	1.1	40
201	Top-down method to introduce ultra-high elastic strain. <i>Journal of Materials Research</i> , 2017, 32, 726-736.	1.2	9
202	Coupling Surface Plasmon Polariton Modes to Complementary THz Metasurfaces Tuned by Inter-Meta-Atom Distance. <i>Advanced Optical Materials</i> , 2017, 5, 1600884.	3.6	20
203	High-sensitivity intensity correlation measurements for photon statistics at terahertz frequencies. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
204	Electrically controlled terahertz magneto-optical phenomena in continuous and patterned graphene. <i>Nature Communications</i> , 2017, 8, 14626.	5.8	93
205	Characterization of iron doped indium phosphide as a current blocking layer in buried heterostructure quantum cascade lasers. <i>Journal of Applied Physics</i> , 2017, 121, 094502.	1.1	4
206	Complementary split-ring resonator antenna coupled quantum dot infrared photodetector. <i>Applied Physics Letters</i> , 2017, 110, 091106.	1.5	8
207	High-Power Growth-Robust InGaAs/InAlAs Terahertz Quantum Cascade Lasers. <i>ACS Photonics</i> , 2017, 4, 957-962.	3.2	22
208	Intersubband absorption in m-plane ZnO/ZnMgO MQWs. <i>Proceedings of SPIE</i> , 2017, , .	0.8	2
209	High-quality and homogeneous 200-mm GeOI wafers processed for high strain induction in Ge. <i>Proceedings of SPIE</i> , 2017, , .	0.8	1
210	On-chip THz quantum cascade laser dual frequency combs (Conference Presentation)., 2017, , .		0
211	Strong coupling of THz surface plasmon polaritons to complementary metasurfaces (Conference) Tj ETQq1 1 0.784314 rgBT <sub>0</sub> Overlo		
212	Passive photonic components and germanium contacts for a 200mm germanium-on-insulator photonic platform (Conference Presentation)., 2017, , .		0
213	Ultrastrong coupling with few (<60) electrons at 280 GHz in single LC nanogap resonators (Conference Presentation)., 2017, , .		0
214	Non-polar ZnO/(Zn,Mg)O heterostructures for intersubband devices: novel applications with an old material system? (Conference Presentation)., 2017, , .		0
215	Broadband monolithic extractors for terahertz quantum cascade laser based frequency combs (Conference Presentation)., 2017, , .		0
216	Self-detection of MIR QCL frequency combs (Withdrawal Notice). <i>Proceedings of SPIE</i> , 2017, , .	0.8	0

#	ARTICLE	IF	CITATIONS
217	Ultra-strong coupling with spin-split heavyhole cyclotron resonances in sGe QWs (Conference) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10		
218	Lateral interdot coupling among dense ensemble of InAs quantum dots grown on InP substrate observed at cryogenic temperatures. Journal of Physics: Conference Series, 2017, 906, 012008.	0.3	1
219	Combining a fully switchable THz superconducting metamaterial with a 2DEG for ultra-strong coupling. European Physical Journal Plus, 2017, 132, 1.	1.2	5
220	Intensity autocorrelation measurements of frequency combs in the terahertz range. Physical Review A, 2017, 96, .	1.0	14
221	Asymmetry in polariton dispersion as function of light and matter frequencies in the ultrastrong coupling regime. New Journal of Physics, 2017, 19, 043022.	1.2	8
222	Gate and magnetic field tunable ultrastrong coupling between a magnetoplasmon and the optical mode of an LC cavity. Physical Review B, 2017, 95, .	1.1	14
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