

Mikhail A Belkin

List of Publications by Year in descending order

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5822
citing authors

#	ARTICLE	IF	CITATIONS
1	An All-Dielectric Polaritonic Metasurface with a Giant Nonlinear Optical Response. Nano Letters, 2022, 22, 896-903.	4.5	22
2	Mid-infrared microring resonators and optical waveguides on an InP platform. Applied Physics Letters, 2022, 120, .	1.5	15
3	Electrically tunable nonlinear polaritonic metasurface. Nature Photonics, 2022, 16, 72-78.	15.6	34
4	Strong Coupling in All-Dielectric Intersubband Polaritonic Metasurfaces. Nano Letters, 2021, 21, 367-374.	4.5	18
5	Control of Second-Harmonic Generation in Dielectric Polaritonic Metasurfaces Using $\pi(2)$ Polarity Switching. , 2021, , .		1
6	Electrically tunable quarter waveplate based on intersubband polaritonic metasurfaces. , 2021, , .		0
7	Ultrafast optical switching and power limiting in intersubband polaritonic metasurfaces. Optica, 2021, 8, 606.	4.8	26
8	Defect Tolerance of Intersubband Transitions in Nonpolar $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" overflow="scroll" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Ga} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Tj ETQqO 0 0 rgBT /Overlo$	1.5	1
9	Overcoming Intensity Saturation in Nonlinear Multiple Quantum Well Metasurfaces for High Efficiency Frequency Upconversion. Advanced Materials, 2021, , 2106902.	11.1	1
10	Giant Nonlinear Circular Dichroism from Intersubband Polaritonic Metasurfaces. Nano Letters, 2020, 20, 8032-8039.	4.5	32
11	Structural and optical properties of nonpolar m- and a-plane GaN/AlGaN heterostructures for narrow-linewidth mid-infrared intersubband transitions. Applied Physics Letters, 2020, 116, 201103.	1.5	7
12	Spin Controlled Nonlinear Harmonic Generations from Plasmonic Metasurfaces Coupled to Intersubband Transitions. Advanced Optical Materials, 2020, 8, 2000004.	3.6	15
13	All-Dielectric Intersubband Polaritonic Metasurface with Giant Second-Order Nonlinear Response. , 2020, , .		1
14	Ultrafast optical switching and power limiting in intersubband polaritonic metasurfaces. , 2020, , .		2
15	Intersubband Transitions in GaNZAl _{0.5} Ga _{0.5} N Quantum Wells on a-Plane and m-Plane GaN Substrates. , 2020, , .		0
16	Intersubband Polaritonics in Dielectric Metasurfaces. , 2020, , .		0
17	Broadband and Efficient Second-Harmonic Generation from a Hybrid Dielectric Metasurface/Semiconductor Quantum-Well Structure. ACS Photonics, 2019, 6, 1458-1465.	3.2	26
18	Infrared Vibrational Spectroscopy of Functionalized Atomic Force Microscope Probes using Resonantly Enhanced Infrared Photoexpansion Nanospectroscopy. Small Methods, 2019, 3, 1900018.	4.6	4

#	ARTICLE	IF	CITATIONS
19	Hybrid Dielectric Metasurfaces: From Strong Light-Matter Interaction to Extreme Nonlinearities. , 2019, , .		0
20	Purcell enhancement of the parametric down-conversion in two-dimensional nonlinear materials. APL Photonics, 2019, 4, 034403.	3.0	14
21	Homogeneous photonic integration of mid-infrared quantum cascade lasers with low-loss passive waveguides on an InP platform. Optica, 2019, 6, 1023.	4.8	28
22	A Hybrid Dielectric-Semiconductor Resonant Nanostructure for Broadband and Efficient Second-Harmonic Generation. , 2019, , .		0
23	Enhancement of the spontaneous emission in subwavelength quasi-two-dimensional waveguides and resonators. Physical Review A, 2018, 97, .	1.0	9
24	Recent progress in terahertz difference-frequency quantum cascade laser sources. Nanophotonics, 2018, 7, 1795-1817.	2.9	67
25	Mid-infrared quantum cascade laser arrays with electrical switching of emission frequencies. AIP Advances, 2018, 8, .	0.6	4
26	Double-metal waveguide terahertz difference-frequency generation quantum cascade lasers with surface grating outcouplers. Applied Physics Letters, 2018, 113, 161102.	1.5	10
27	A Hybrid Dielectric-Semiconductor Metasurface for Efficient Second-Harmonic Generation. , 2018, , .		0
28	Difference-Frequency Generation in Polaritonic Intersubband Nonlinear Metasurfaces. Advanced Optical Materials, 2018, 6, 1800681.	3.6	12
29	Quantum Confinement in Oxide Heterostructures: Room-Temperature Intersubband Absorption in SrTiO ₃ /LaAlO ₃ Multiple Quantum Wells. ACS Nano, 2018, 12, 7682-7689.	7.3	15
30	Mid-infrared second-harmonic generation in ultra-thin plasmonic metasurfaces without a full-metal backplane. Applied Physics B: Lasers and Optics, 2018, 124, 1.	1.1	12
31	Electrical tuning of the polarization state of light using graphene-integrated anisotropic metasurfaces. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2017, 375, 20160061.	1.6	18
32	Narrow-linewidth ultra-broadband terahertz sources based on difference-frequency generation in mid-infrared quantum cascade lasers. , 2017, , .		2
33	Terahertz difference frequency generation in quantum cascade lasers on silicon. , 2017, , .		0
34	Flat nonlinear optics: metasurfaces for efficient frequency mixing. , 2017, , .		0
35	Strain compensated superlattices on <i>m</i> -plane gallium nitride by ammonia molecular beam epitaxy. Journal of Applied Physics, 2017, 122, .	1.1	10
36	Spectral purity and tunability of terahertz quantum cascade laser sources based on intracavity difference-frequency generation. Science Advances, 2017, 3, e1603317.	4.7	33

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37	High-sensitivity infrared vibrational nanospectroscopy in water. Light: Science and Applications, 2017, 6, e17096-e17096.	7.7	67
38	Highly-efficient THz generation using nonlinear plasmonic metasurfaces. Journal of Optics (United Kingdom), 2017, 19, 073001.	1.0	20
39	Dielectric properties of semi-insulating Fe-doped InP in the terahertz spectral region. Scientific Reports, 2017, 7, 7360.	1.6	26
40	Quantum cascade lasers transfer-printed on silicon-on-sapphire. Applied Physics Letters, 2017, 111, .	1.5	18
41	Terahertz difference-frequency quantum cascade laser sources on silicon. Optica, 2017, 4, 38.	4.8	25
42	Low-Loss Ge-on-GaAs Platform for Mid-Infrared Photonics. , 2017, , .		3
43	Difference-Frequency Generation Quantum Cascade Laser Sources on Silicon. , 2017, , .		0
44	1.9 THz Difference-Frequency Generation in Mid-Infrared Quantum Cascade Lasers with Grating Outcouplers. , 2017, , .		0
45	Mid-infrared quantum cascade lasers transfer-printed on silicon-on-sapphire. , 2017, , .		0
46	Efficient THz Generation in Long-Wavelength Infrared Quantum Cascade Lasers. , 2017, , .		0
47	Broadly tunable terahertz difference-frequency generation in quantum cascade lasers on silicon. Optical Engineering, 2017, 57, 1.	0.5	0
48	Infrared Nanospectroscopy in Liquid. , 2016, , .		0
49	Spectroscopic study of terahertz difference-frequency nonlinear susceptibility in mid-infrared quantum cascade lasers. , 2016, , .		0
50	Flat nonlinear optics with ultrathin highly-nonlinear metasurfaces. , 2016, , .		1
51	Room-temperature THz sources based on intra-cavity difference-frequency mixing in mid-infrared quantum cascade lasers. , 2016, , .		0
52	Plasmonic Metasurfaces: Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based Moiré Nanosphere Lithography (Advanced Optical Materials 12/2016). Advanced Optical Materials, 2016, 4, 1904-1904.	3.6	0
53	Advanced control of nonlinear beams with Pancharatnam-Berry metasurfaces. Physical Review B, 2016, 94, .	1.1	27
54	Experimental Demonstration of Phase Modulation and Motion Sensing Using Graphene-Integrated Metasurfaces. Nano Letters, 2016, 16, 3607-3615.	4.5	84

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55	Tunable Graphene Metasurfaces with Gradient Features by Self-Assembly-Based Moiré Nanosphere Lithography. <i>Advanced Optical Materials</i> , 2016, 4, 2035-2043.	3.6	21
56	Ultrathin nonlinear metasurfaces. , 2016, , .		0
57	Gradient nonlinear metasurfaces for continuous phase control. , 2016, , .		1
58	Spectroscopic Study of Terahertz Generation in Mid-Infrared Quantum Cascade Lasers. <i>Scientific Reports</i> , 2016, 6, 21169.	1.6	32
59	Experimental demonstration of the microscopic origin of circular dichroism in two-dimensional metamaterials. <i>Nature Communications</i> , 2016, 7, 12045.	5.8	155
60	Thermopile detector of light ellipticity. <i>Nature Communications</i> , 2016, 7, 12994.	5.8	12
61	Ultrathin nonlinear metasurfaces with continuous phase control at the nanoscale. , 2016, , .		0
62	Ultrathin Second-Harmonic Metasurfaces with Record-High Nonlinear Optical Response. <i>Advanced Optical Materials</i> , 2016, 4, 664-670.	3.6	86
63	Ultrathin gradient nonlinear metasurface with a giant nonlinear response. <i>Optica</i> , 2016, 3, 283.	4.8	89
64	Monolithic bipolar thermopile detector sensitive to light ellipticity. , 2016, , .		0
65	Nonlinear processes in multi-quantum-well plasmonic metasurfaces: Electromagnetic response, saturation effects, limits, and potentials. <i>Physical Review B</i> , 2015, 92, .	1.1	46
66	Gradient Nonlinear Pancharatnam-Berry Metasurfaces. <i>Physical Review Letters</i> , 2015, 115, 207403.	2.9	190
67	Formation of Quantum Phase Slip Pairs in Superconducting Nanowires. <i>Physical Review X</i> , 2015, 5, .	2.8	25
68	Nonlinear optics with quantum-engineered intersubband metamaterials. , 2015, , .		1
69	Recent Progress in Widely Tunable Single-Mode Room Temperature Terahertz Quantum Cascade Laser Sources. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2015, 21, 134-143.	1.9	11
70	Strong non-linear non-reciprocity using leaky-waves on multi quantum well layers. , 2015, , .		0
71	Second and third-order giant non-linear processes in plasmonic metasurfaces. , 2015, , .		0
72	Flat nonlinear optics: Efficient frequency conversion in ultrathin nonlinear metasurfaces. , 2015, , .		0

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73	Giant nonlinear processes in plasmonic metasurfaces. , 2015, , .		1
74	Efficient terahertz-wave generation in mid-infrared quantum-cascade lasers with a common dual-upper-state active region. , 2015, , .		0
75	Widely tunable terahertz source based on intra-cavity frequency mixing in quantum cascade laser arrays. Applied Physics Letters, 2015, 106, .	1.5	17
76	Rapidly Tunable Quantum Cascade Lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 1-9.	1.9	18
77	Terahertz generation in mid-infrared quantum cascade lasers with a dual-upper-state active region. Applied Physics Letters, 2015, 106, .	1.5	56
78	New frontiers in quantum cascade lasers: high performance room temperature terahertz sources. Physica Scripta, 2015, 90, 118002.	1.2	157
79	Active Epsilon-Near-Zero Infrared Metamaterials. , 2015, , .		0
80	High power MWIR quantum cascade lasers and their use in intra-cavity THz room temperature generation. Proceedings of SPIE, 2015, , .	0.8	0
81	Highly-nonlinear quantum-engineered polaritonic metasurfaces. Proceedings of SPIE, 2015, , .	0.8	0
82	Broadly-Tunable Room-Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2015, , .		1
83	Ohmic Loss Produces Chiral Dichroism in Plasmonic Metasurfaces: First Experimental Demonstration. , 2015, , .		0
84	Background-Free Heterodyne Photoexpansion Infrared Nanospectroscopy. , 2015, , .		0
85	Giant nonlinear response of polaritonic metasurfaces coupled to intersubband transition. , 2015, , .		0
86	Two-Dimensional Pump Frequency Study of THz Generation in Mid-Infrared Quantum Cascade Lasers. , 2015, , .		0
87	Broadly tunable external cavity terahertz source from 1.2∼5.9 THz. , 2014, , .		0
88	Metasurfaces: Ultrafast Electrically Tunable Polaritonic Metasurfaces (Advanced Optical Materials) Tj ETQq0 0 0 rgBT/Overlock 10 Tf 50	3.6	1
89	Monolithic tunable terahertz quantum cascade laser source based on difference frequency generation. , 2014, , .		0
90	Tip-enhanced infrared nanospectroscopy via molecular expansion force detection. Nature Photonics, 2014, 8, 307-312.	15.6	266

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91	Experimental investigation of terahertz quantum cascade laser with variable barrier heights. Journal of Applied Physics, 2014, 115, 163103.	1.1	14
92	Ultrafast Electrically Tunable Polaritonic Metasurfaces. Advanced Optical Materials, 2014, 2, 1057-1063.	3.6	93
93	THz Difference-Frequency Generation in MOVPE-Grown Quantum Cascade Lasers. IEEE Photonics Technology Letters, 2014, 26, 391-394.	1.3	13
94	External cavity terahertz quantum cascade laser sources based on intra-cavity frequency mixing with 1.2â€“5.9 THz tuning range. Journal of Optics (United Kingdom), 2014, 16, 094002.	1.0	47
95	Broadly tunable monolithic room-temperature terahertz quantum cascade laser sources. Nature Communications, 2014, 5, 4267.	5.8	69
96	Giant nonlinear response from plasmonic metasurfaces coupled to intersubband transitions. Nature, 2014, 511, 65-69.	13.7	550
97	Broadly Tunable Room Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2014, , .		1
98	Ultra-sensitive mid-infrared photoexpansion nanospectroscopy with background suppression. , 2014, , .		0
99	Ultrafast voltage-tunable plasmonic metamaterials based on intersubband polaritons. , 2014, , .		0
100	Widely-Tunable Monolithic Terahertz Quantum Cascade Laser Sources Based on Difference-Frequency Generation. , 2014, , .		0
101	Mid-Infrared Quantum Cascade Lasers With Electrical Control of the Emission Frequency. IEEE Journal of Quantum Electronics, 2013, 49, 60-64.	1.0	9
102	Terahertz and mid-infrared photoexpansion nanospectroscopy. Proceedings of SPIE, 2013, , .	0.8	0
103	Distributed feedback quantum cascade laser with optically tunable emission frequency. Applied Physics Letters, 2013, 103, 041120.	1.5	5
104	Metamaterials based on intersubband polaritons. , 2013, , .		3
105	Mid-wave infrared and terahertz quantum cascade lasers based on resonant nonlinear frequency mixing. Proceedings of SPIE, 2013, , .	0.8	0
106	Broadly tunable terahertz generation in mid-infrared quantum cascade lasers. Nature Communications, 2013, 4, 2021.	5.8	167
107	Widely wavelength tunable thermo-optic bandpass filters based on long-range surface plasmon polaritons. , 2013, , .		0
108	THz quantum cascade lasers for operation above cryogenic temperatures. , 2013, , .		1

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109	Optically tunable long wavelength infrared quantum cascade laser operated at room temperature. Applied Physics Letters, 2013, 102, .	1.5	12
110	Injectorless quantum cascade lasers as low threshold THz sources. , 2013, , .		0
111	High performance room-temperature terahertz intracavity difference-frequency generation in quantum cascade lasers. , 2013, , .		0
112	Widely tunable thermo-optic plasmonic bandpass filter. Applied Physics Letters, 2013, 103, 181115.	1.5	3
113	Mid-infrared absorption nanospectroscopy via molecular force detection. , 2013, , .		1
114	Room-temperature Quantum Cascade Laser Sources of Terahertz Radiation. , 2013, , .		0
115	Terahertz difference-frequency generation in quantum cascade lasers with high conversion efficiency. , 2013, , .		0
116	Terahertz Quantum Cascade Laser Performance for Structures with Variable Barrier Heights. , 2013, , .		0
117	Broadly tunable room temperature terahertz quantum cascade laser sources. , 2013, , .		0
118	Widely-tunable optical bandpass filter based on long-range surface plasmon polaritons. , 2012, , .		3
119	Nonlinear GaInAs/AlInAs/InP quantum cascade laser sources for wavelength generation in the 2.7-70 μ m wavelength range. Proceedings of SPIE, 2012, , .	0.8	1
120	Widely wavelength tunable optical filters using characteristics of long-range surface plasmon polaritons. , 2012, , .		0
121	Fast electrical wavelength modulation of mid-infrared quantum cascade lasers. , 2012, , .		0
122	Limiting Factors to the Temperature Performance of THz Quantum Cascade Lasers Based on the Resonant-Phonon Depopulation Scheme. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 83-92.	2.0	59
123	Terahertz sources based on Čerenkov difference-frequency generation in quantum cascade lasers. Applied Physics Letters, 2012, 100, .	1.5	93
124	Terahertz quantum cascade laser sources based on Cherenkov intra-cavity difference-frequency generation. , 2012, , .		0
125	Terahertz quantum cascade laser sources based on Čerenkov difference-frequency generation. , 2012, , .		1
126	Terahertz quantum cascade laser sources based on difference-frequency generation: from passive nonlinearity to leaky THz waveguide device concept. Proceedings of SPIE, 2012, , .	0.8	1

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127	Plasmonic-enhanced infrared photoexpansion nano-spectroscopy using tunable quantum cascade lasers. , 2012, , .		0
128	Improved terahertz quantum cascade laser with variable height barriers. Journal of Applied Physics, 2012, 111, 103106.	1.1	24
129	Short-wavelength InP quantum cascade laser sources by quasi-phase-matched intracavity second-harmonic generation. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 298-301.	0.8	4
130	Twisted optical metamaterials for planarized ultrathin broadband circular polarizers. Nature Communications, 2012, 3, 870.	5.8	868
131	Tip-enhanced photoexpansion nano-spectroscopy using tunable quantum cascade lasers. , 2012, , .		0
132	Terahertz Quantum Cascade Laser Sources Based on Cherenkov Intra-Cavity Difference-Frequency Generation. , 2012, , .		0
133	Widely tunable waveguide filters based on long-range surface plasmon polaritons. , 2011, , .		0
134	Terahertz sources based on intracavity frequency mixing in mid-infrared quantum cascade lasers with passive nonlinear sections. Applied Physics Letters, 2011, 98, 151114.	1.5	9
135	GaAs/Al _{0.15} Ga _{0.85} As terahertz quantum cascade lasers with double-phonon resonant depopulation operating up to 172 K. , 2011, , .		0
136	Intersubband Raman laser for operation in terahertz. , 2011, , .		0
137	Quantum-cascade laser-based nanoscale photoexpansion micro-spectroscopy in mid-infrared and terahertz. , 2011, , .		0
138	InGaAs/AlInAs quantum cascade laser sources based on intra-cavity second harmonic generation emitting in 2.6-3.6 micron range. , 2011, , .		2
139	Room-temperature 2.95-µm quantum cascade laser sources based on intra-cavity frequency doubling. Electronics Letters, 2011, 47, 667.	0.5	3
140	Infrared absorption nano-spectroscopy using sample photoexpansion induced by tunable quantum cascade lasers. Optics Express, 2011, 19, 19942.	1.7	95
141	Broadly wavelength tunable bandpass filters based on long-range surface plasmon polaritons. Optics Letters, 2011, 36, 3744.	1.7	11
142	Upper limits on terahertz difference frequency generation power in quantum well heterostructures. , 2011, , .		1
143	Room-Temperature $\lambda \approx 2.7\text{-}\mu\text{m}$ Quantum Cascade Laser Sources Based on Intracavity Second-Harmonic Generation. IEEE Journal of Quantum Electronics, 2011, 47, 691-697.	1.0	10
144	THz quantum cascade sources based on intra-cavity frequency mixing in passive nonlinear sections. , 2011, , .		0

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145	THz Quantum Cascade Sources based on Intra-cavity Frequency Mixing in Passive Nonlinear Sections. , 2011, , .		1
146	Surface-emitting THz sources based on difference-frequency generation in mid-infrared quantum cascade lasers. Proceedings of SPIE, 2010, , .	0.8	5
147	Terahertz sources based on difference-frequency generation near exit facets in dual-wavelength mid-infrared quantum cascade lasers. , 2010, , .		0
148	Room-temperature operation of $3.6\mu\text{m}$ $\text{In}_{0.53}\text{Ga}_{0.47}\text{As}/\text{Al}_{0.48}\text{In}_{0.52}\text{As}$ quantum cascade laser sources based on intracavity second harmonic generation. Applied Physics Letters, 2010, 97, .	1.5	14
149	GaAs/Al _{0.15} Ga _{0.85} As terahertz quantum cascade lasers with double-phonon resonant depopulation operating up to 172 K. Applied Physics Letters, 2010, 97, 131111.	1.5	31
150	Temperature performance analysis of terahertz quantum cascade lasers: Vertical versus diagonal designs. Applied Physics Letters, 2010, 96, .	1.5	35
151	Dynamics of actively mode-locked Quantum Cascade Lasers. Optics Express, 2010, 18, 13616.	1.7	46
152	Corrections to "High Performance Quantum Cascade Lasers Grown by Metal-Organic Vapor Phase Epitaxy and Their Applications to Trace Gas Sensing" [Nov 08 3534-3555]. Journal of Lightwave Technology, 2010, 28, 984-984.	2.7	0
153	Injectorless quantum cascade lasers for room-temperature short-wavelength emission by efficient second-harmonic generation. , 2010, , .		0
154	Mode-locking via active gain modulation in quantum cascade lasers. , 2009, , .		1
155	Directional emission and universal far-field behavior from semiconductor lasers with limaçon-shaped microcavity. Applied Physics Letters, 2009, 94, .	1.5	103
156	Broadband Distributed Feedback Quantum Cascade Laser Array Using A Heterogeneous Cascade. , 2009, , .		1
157	Deformed microcavity quantum cascade lasers with directional emission. New Journal of Physics, 2009, 11, 125018.	1.2	33
158	High-Temperature Operation of Terahertz Quantum Cascade Laser Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2009, 15, 952-967.	1.9	111
159	Angular emission characteristics of quantum cascade spiral microlasers. Optics Express, 2009, 17, 10335.	1.7	28
160	Mode-locked pulses from mid-infrared Quantum Cascade Lasers. Optics Express, 2009, 17, 12929.	1.7	168
161	Beam combining of quantum cascade laser arrays. Optics Express, 2009, 17, 16216.	1.7	69
162	Broadband Distributed-Feedback Quantum Cascade Laser Array Operating From 8.0 to 9.8 μm . IEEE Photonics Technology Letters, 2009, 21, 914-916.	1.3	63

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163	Multi-beam multi-wavelength semiconductor lasers. Applied Physics Letters, 2009, 95, .	1.5	21
164	DFB Quantum Cascade Laser Arrays. IEEE Journal of Quantum Electronics, 2009, 45, 554-565.	1.0	94
165	Wavelength beam combining of quantum cascade laser arrays for remote sensing. Proceedings of SPIE, 2009, , .	0.8	3
166	Directional micro-cavity lasers with Limaçon-shaped chaotic resonator. , 2009, , .		0
167	Spatial Hole Burning in Actively Mode-Locked Quantum Cascade Lasers. , 2009, , .		1
168	Room temperature terahertz quantum cascade laser source based on intracavity difference-frequency generation. Applied Physics Letters, 2008, 92, .	1.5	199
169	High-Performance Quantum Cascade Lasers Grown by Metal-Organic Vapor Phase Epitaxy and Their Applications to Trace Gas Sensing. Journal of Lightwave Technology, 2008, 26, 3534-3555.	2.7	46
170	Terahertz quantum cascade lasers with copper metal-metal waveguides operating up to 178 K. Optics Express, 2008, 16, 3242.	1.7	194
171	Terahertz frequency quantum cascade lasers operating up to 178 K with copper metal-metal waveguides. , 2008, , .		0
172	Surface-emitting terahertz quantum cascade laser source based on intracavity difference-frequency generation. Applied Physics Letters, 2008, 93, 161110.	1.5	26
173	Wide-ridge metal-metal terahertz quantum cascade lasers with high-order lateral mode suppression. Applied Physics Letters, 2008, 92, .	1.5	46
174	Microwatt-level terahertz sources based on intra-cavity difference-frequency generation in mid-infrared quantum cascade lasers. , 2008, , .		3
175	Continuously tunable compact single-mode quantum cascade laser source for chemical sensing. , 2008, , .		0
176	Wide ridge low-divergence metal-metal terahertz quantum cascade lasers. , 2008, , .		0
177	Terahertz quantum cascade lasers operating up to 178 K with copper metal-metal waveguides. , 2008, , .		0
178	Nonlinear Quantum Cascade Lasers: Toward Broad Tunability and Short-Wavelength Operation. , 2007, , .		0
179	Terahertz Quantum Cascade Laser Source Based on Intra-Cavity Difference-Frequency Generation. , 2007, , .		1
180	Erratum for "Double-metal waveguide 19- μm quantum cascade lasers grown by metal organic vapour phase epitaxy". Electronics Letters, 2007, 43, 1476.	0.5	0

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181	Fully-integrated implementation of large time constant Gm-C integrators. Electronics Letters, 2007, 43, 23.	0.5	11
182	Plasmonic quantum cascade laser antenna. Applied Physics Letters, 2007, 91, 173113.	1.5	70
183	Terahertz difference frequency generation in quantum cascade lasers. , 2007, , .		0
184	Current Injection Spiral-Shaped Chaotic Microcavity Quantum Cascade Lasers. , 2007, , .		1
185	Low-Divergence Surface-Emitting Terahertz Quantum Cascade Lasers. , 2007, , .		0
186	Single-mode laser action in quantum cascade lasers with spiral-shaped chaotic resonators. Applied Physics Letters, 2007, 91, .	1.5	41
187	Broadly Tunable Single-Mode Quantum Cascade Laser Source. , 2007, , .		0
188	Design and fabrication of photonic crystal quantum cascade lasers for optofluidics. Optics Express, 2007, 15, 4499.	1.7	31
189	Intra-cavity absorption spectroscopy with narrow-ridge microfluidic quantum cascade lasers. Optics Express, 2007, 15, 11262.	1.7	19
190	Widely tunable single-mode quantum cascade laser source for mid-infrared spectroscopy. Applied Physics Letters, 2007, 91, .	1.5	190
191	Terahertz quantum-cascade-laser source based on intracavity difference-frequency generation. Nature Photonics, 2007, 1, 288-292.	15.6	283
192	Toward Chiral Sum-Frequency Spectroscopy. Journal of the American Chemical Society, 2006, 128, 8845-8848.	6.6	50
193	Microfluidic tuning of distributed feedback quantum cascade lasers. Optics Express, 2006, 14, 11660.	1.7	38
194	Surface emitting terahertz quantum cascade laser with a double-metal waveguide. Optics Express, 2006, 14, 11672.	1.7	121
195	Quasiphase matching of second-harmonic generation in quantum cascade lasers by Stark shift of electronic resonances. Applied Physics Letters, 2006, 88, 201108.	1.5	9
196	Chirality Probed by Sum-Frequency Vibrational Spectroscopy for Helically Structured Conjugated Liquid Crystalline Polymers. Molecular Crystals and Liquid Crystals, 2005, 436, 73/[1027]-81/[1035].	0.4	3
197	Non-linear optical spectroscopy as a novel probe for molecular chirality. International Reviews in Physical Chemistry, 2005, 24, 257-299.	0.9	105
198	Sum-frequency vibrational spectroscopy of chiral liquids off and close to electronic resonance and the antisymmetric Raman tensor. Journal of Chemical Physics, 2004, 120, 10118-10126.	1.2	48

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199	Sum-Frequency Vibrational Spectroscopy of a Helically Structured Conjugated Polymer. Physical Review Letters, 2004, 93, 267402.	2.9	42
200	Optically active second-harmonic generation from a uniaxial fluid medium. Optics Letters, 2004, 29, 1527.	1.7	9
201	Resonant sum-frequency generation in chiral liquids. Optical Materials, 2003, 21, 1-5.	1.7	12
202	Doubly Resonant IR-UV Sum-Frequency Vibrational Spectroscopy on Molecular Chirality. Physical Review Letters, 2003, 91, 213907.	2.9	91
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