

# Karun Vijayraghavan

## List of Publications by Year in descending order

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26  
papers

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840776

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all docs

26  
docs citations

26  
times ranked

447  
citing authors

#	ARTICLE	IF	CITATIONS
1	Broadly tunable terahertz generation in mid-infrared quantum cascade lasers. Nature Communications, 2013, 4, 2021.	12.8	167
2	Terahertz sources based on Cherenkov difference-frequency generation in quantum cascade lasers. Applied Physics Letters, 2012, 100, .	3.3	93
3	Broadly tunable monolithic room-temperature terahertz quantum cascade laser sources. Nature Communications, 2014, 5, 4267.	12.8	69
4	External cavity terahertz quantum cascade laser sources based on intra-cavity frequency mixing with 1.2–5.9 THz tuning range. Journal of Optics (United Kingdom), 2014, 16, 094002.	2.2	47
5	Spectroscopic Study of Terahertz Generation in Mid-Infrared Quantum Cascade Lasers. Scientific Reports, 2016, 6, 21169.	3.3	32
6	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. Applied Physics Letters, 2010, 97, 131111.	3.3	31
7	Terahertz difference-frequency quantum cascade laser sources on silicon. Optica, 2017, 4, 38.	9.3	25
8	Improved terahertz quantum cascade laser with variable height barriers. Journal of Applied Physics, 2012, 111, 103106.	2.5	24
9	Widely tunable terahertz source based on intra-cavity frequency mixing in quantum cascade laser arrays. Applied Physics Letters, 2015, 106, .	3.3	17
10	Experimental investigation of terahertz quantum cascade laser with variable barrier heights. Journal of Applied Physics, 2014, 115, 163103.	2.5	14
11	THz Difference-Frequency Generation in MOVPE-Grown Quantum Cascade Lasers. IEEE Photonics Technology Letters, 2014, 26, 391-394.	2.5	13
12	Recent Progress in Widely Tunable Single-Mode Room Temperature Terahertz Quantum Cascade Laser Sources. IEEE Journal of Selected Topics in Quantum Electronics, 2015, 21, 134-143.	2.9	11
13	Mid-infrared quantum cascade laser arrays with electrical switching of emission frequencies. AIP Advances, 2018, 8, .	1.3	4
14	Broadly-Tunable Room-Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2015, , .		1
15	Broadly Tunable Room Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2014, , .		1
16	Terahertz quantum cascade laser sources based on Cherenkov intra-cavity difference-frequency generation. , 2012, , .		0
17	Broadly tunable external cavity terahertz source from 1.2–5.9 THz. , 2014, , .		0
18	Monolithic tunable terahertz quantum cascade laser source based on difference frequency generation. , 2014, , .		0

#	ARTICLE	IF	CITATIONS
19	High power MWIR quantum cascade lasers and their use in intra-cavity THz room temperature generation. Proceedings of SPIE, 2015, , .	0.8	0
20	Terahertz difference frequency generation in quantum cascade lasers on silicon. , 2017, , .		0
21	Room-temperature Quantum Cascade Laser Sources of Terahertz Radiation. , 2013, , .		0
22	Terahertz difference-frequency generation in quantum cascade lasers with high conversion efficiency. , 2013, , .		0
23	Terahertz Quantum Cascade Laser Performance for Structures with Variable Barrier Heights. , 2013, , .		0
24	Broadly tunable room temperature terahertz quantum cascade laser sources. , 2013, , .		0
25	Two-Dimensional Pump Frequency Study of THz Generation in Mid-Infrared Quantum Cascade Lasers. , 2015, , .		0
26	Broadly tunable terahertz difference-frequency generation in quantum cascade lasers on silicon. Optical Engineering, 2017, 57, 1.	1.0	0