Karun Vijayraghavan

List of Publications by Year
in descending order

26	549	840776 11	1125743 13
papers	citations	h-index	g-index

26	26	26	447
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mid-infrared quantum cascade laser arrays with electrical switching of emission frequencies. AIP Advances, 2018, 8, .	1.3	4
2	Terahertz difference frequency generation in quantum cascade lasers on silicon. , 2017, , .		0
3	Terahertz difference-frequency quantum cascade laser sources on silicon. Optica, 2017, 4, 38.	9.3	25
4	Broadly tunable terahertz difference-frequency generation in quantum cascade lasers on silicon. Optical Engineering, 2017, 57, 1.	1.0	0
5	Spectroscopic Study of Terahertz Generation in Mid-Infrared Quantum Cascade Lasers. Scientific Reports, 2016, 6, 21169.	3.3	32
6	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
7	Widely tunable terahertz source based on intra-cavity frequency mixing in quantum cascade laser arrays. Applied Physics Letters, 2015, 106, .	3.3	17
8	High power MWIR quantum cascade lasers and their use in intra-cavity THz room temperature generation. Proceedings of SPIE, 2015, , .	0.8	0
9	Broadly-Tunable Room-Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2015, , .		1
10	Two-Dimensional Pump Frequency Study of THz Generation in Mid-Infrared Quantum Cascade Lasers. , 2015, , .		0
11	Broadly tunable external cavity terahertz source from 1.2∼5.9 THz. , 2014, , .		0
12	Monolithic tunable terahertz quantum cascade laser source based on difference frequency generation. , 2014, , .		0
13	Experimental investigation of terahertz quantum cascade laser with variable barrier heights. Journal of Applied Physics, 2014, 115, 163103.	2.5	14
14	THz Difference-Frequency Generation in MOVPE-Grown Quantum Cascade Lasers. IEEE Photonics Technology Letters, 2014, 26, 391-394.	2.5	13
15	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.	2.2	47
16	Broadly tunable monolithic room-temperature terahertz quantum cascade laser sources. Nature Communications, 2014, 5, 4267.	12.8	69
17	Broadly Tunable Room Temperature Monolithic Terahertz Quantum Cascade Laser Sources. , 2014, , .		1
18	Broadly tunable terahertz generation in mid-infrared quantum cascade lasers. Nature Communications, 2013, 4, 2021.	12.8	167

#	Article	IF	Citations
19	Room-temperature Quantum Cascade Laser Sources of Terahertz Radiation. , 2013, , .		0
20	Terahertz difference-frequency generation in quantum cascade lasers with high conversion efficiency. , 2013, , .		0
21	Terahertz Quantum Cascade Laser Performance for Structures with Variable Barrier Heights. , 2013, , .		0
22	Broadly tunable room temperature terahertz quantum cascade laser sources. , 2013, , .		0
23	Terahertz sources based on ÄŒerenkov difference-frequency generation in quantum cascade lasers. Applied Physics Letters, 2012, 100, .	3.3	93
24	Terahertz quantum cascade laser sources based on Cherenkov intra-cavity difference-frequency generation. , 2012, , .		0
25	Improved terahertz quantum cascade laser with variable height barriers. Journal of Applied Physics, 2012, 111, 103106.	2.5	24
26	GaAs/Al0.15Ga0.85As terahertz quantum cascade lasers with double-phonon resonant depopulation operating up to 172 K. Applied Physics Letters, 2010, 97, 131111.	3.3	31