

Marco Ravaro

List of Publications by Year in descending order

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22
papers

725
citations

686830

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h-index

752256

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23
all docs

23
docs citations

23
times ranked

775
citing authors

#	ARTICLE	IF	CITATIONS
1	Coherent sampling of active mode-locked terahertz quantum cascade lasers and frequency synthesis. Nature Photonics, 2011, 5, 306-313.	15.6	189
2	Real-time terahertz digital holography with a quantum cascade laser. Scientific Reports, 2015, 5, 13566.	1.6	85
3	Measurement of the intrinsic linewidth of terahertz quantum cascade lasers using a near-infrared frequency comb. Optics Express, 2012, 20, 25654.	1.7	68
4	Controlling second-harmonic generation at the nanoscale with monolithic AlGaAs-on-AlOx antennas. Nanotechnology, 2017, 28, 114005.	1.3	67
5	Phase-locking of a 25 THz quantum cascade laser to a frequency comb using a GaAs photomixer. Optics Letters, 2011, 36, 3969.	1.7	62
6	Polarization properties of second-harmonic generation in AlGaAs optical nanoantennas. Optics Letters, 2017, 42, 559.	1.7	57
7	Parametric amplification in GaAs/AlOx waveguide. Applied Physics Letters, 2009, 94, 171110.	1.5	27
8	Silica masks for improved surface poling of lithium niobate. Electronics Letters, 2005, 41, 92.	0.5	22
9	Mid-infrared digital holography and holographic interferometry with a tunable quantum cascade laser. Optics Letters, 2014, 39, 4843.	1.7	20
10	Directionally induced quasi-phase matching in homogeneous AlGaAs waveguides. Optics Letters, 2017, 42, 4287.	1.7	20
11	Estimation of parametric gain in GaAs/AlOx waveguides by fluorescence and second harmonic generation measurements. Applied Physics Letters, 2007, 91, .	1.5	17
12	High-Q resonant cavities for terahertz quantum cascade lasers. Optics Express, 2015, 23, 3751.	1.7	13
13	Room-Temperature Continuous-Wave Frequency-Referenced Spectrometer up to 7.5 THz. Physical Review Applied, 2018, 10, .	1.5	12
14	Nonlinear measurement of mid-infrared absorption in AlOx waveguides. Applied Physics Letters, 2008, 92, 151111.	1.5	11
15	Stabilization and mode locking of terahertz quantum cascade lasers. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 8501011-8501011.	1.9	10
16	Spectral Properties of THz Quantum-Cascade Lasers: Frequency Noise, Phase-Locking and Absolute Frequency Measurement. Journal of Infrared, Millimeter, and Terahertz Waves, 2013, 34, 342-356.	1.2	9
17	Second-Harmonic Generation in Suspended AlGaAs Waveguides: A Comparative Study. Micromachines, 2020, 11, 229.	1.4	8
18	Coherent control of a semiconductor qubit in the strong coupling regime: Impact of energy and phase relaxation mechanisms. Physical Review B, 2009, 80, .	1.1	7

#	ARTICLE	IF	CITATIONS
19	Parametric fluorescence in semiconductor waveguides. Comptes Rendus Physique, 2007, 8, 1184-1197.	0.3	3
20	Electrically injected InGaAsP/AlGaAs optical parametric oscillator: design and technology. Journal of the Optical Society of America B: Optical Physics, 2021, 38, B40.	0.9	1
21	QCL-Based Real-Time Terahertz Digital Holography. , 2016, , .		0
22	Parametric Quantum-dash Source Around 3 Åµm. , 2018, , .		0