

# Guido Giuliani

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9103297/publications.pdf>

Version: 2024-02-01

36  
papers

1,762  
citations

623734

14  
h-index

677142

22  
g-index

36  
all docs

36  
docs citations

36  
times ranked

902  
citing authors

#	ARTICLE	IF	CITATIONS
1	Laser diode self-mixing technique for sensing applications. Journal of Optics, 2002, 4, S283-S294.	1.5	452
2	Measurement of the Linewidth Enhancement Factor of Semiconductor Lasers Based on the Optical Feedback Self-Mixing Effect. IEEE Photonics Technology Letters, 2004, 16, 990-992.	2.5	205
3	Unidirectional bistability in semiconductor waveguide ring lasers. Applied Physics Letters, 2002, 80, 3051-3053.	3.3	165
4	Self-mixing laser diode vibrometer. Measurement Science and Technology, 2003, 14, 24-32.	2.6	149
5	Alternate oscillations in semiconductor ring lasers. Optics Letters, 2002, 27, 1992.	3.3	116
6	Measurements of the $\hat{\Gamma}_{\pm}$ factor of a distributed-feedback quantum cascade laser by an optical feedback self-mixing technique. Optics Letters, 2006, 31, 2574.	3.3	106
7	Absolute Distance Measurement With Improved Accuracy Using Laser Diode Self-Mixing Interferometry in a Closed Loop. IEEE Transactions on Instrumentation and Measurement, 2007, 56, 1894-1900.	4.7	105
8	Linewidth enhancement factor of terahertz quantum cascade lasers. Applied Physics Letters, 2008, 92, .	3.3	87
9	Self-mixing differential vibrometer based on electronic channel subtraction. Applied Optics, 2006, 45, 7264.	2.1	82
10	Noise analysis of conventional and gain-clamped semiconductor optical amplifiers. Journal of Lightwave Technology, 2000, 18, 1256-1263.	4.6	60
11	Angle measurement by injection detection in a laser diode. Optical Engineering, 2001, 40, 95.	1.0	49
12	Low-Loss Micro-Resonator Filters Fabricated in Silicon by CMOS-Compatible Lithographic Techniques: Design and Characterization. Applied Sciences (Switzerland), 2017, 7, 174.	2.5	21
13	Post-Growth Fabrication of Multiple Wavelength DFB Laser Arrays With Precise Wavelength Spacing. IEEE Photonics Technology Letters, 2012, 24, 1063-1065.	2.5	19
14	Laser Interferometry. , 2005, , 217-255.		18
15	Monolithically Integrated DFB Lasers for Tunable and Narrow Linewidth Millimeter-Wave Generation. IEEE Journal of Selected Topics in Quantum Electronics, 2013, 19, 1500406-1500406.	2.9	16
16	All-Optical Toggle Flip-Flop Based on Monolithic Semiconductor Ring Laser. IEEE Photonics Technology Letters, 2014, 26, 96-99.	2.5	16
17	Integrated semiconductor laser rotation sensor. , 1999, , .		14
18	All-Optical Directional Switching in Bistable Semiconductor-Ring Lasers. IEEE Journal of Quantum Electronics, 2013, 49, 877-885.	1.9	11

#	ARTICLE	IF	CITATIONS
19	Noise evolution along optically amplified links in presence of nonlinear parametric gain. Journal of Lightwave Technology, 1999, 17, 1750-1757.	4.6	10
20	10 Gb/s operation of Monolithic All-Optical Set-Reset Flip-Flop based on Semiconductor Ring Laser. , 2010, , .		10
21	Dynamic operation of all-optical Flip-Flop based on a monolithic semiconductor ring laser. , 2008, , .		8
22	Mode-Resolved Measurements of the Linewidth Enhancement Factor of a Fabry-Pérot Laser. IEEE Photonics Technology Letters, 2009, 21, 1256-1258.	2.5	8
23	Application of Brillouin-Based Continuously Tunable Optical Delay Line to Contention Resolution Between Asynchronous Optical Packets. Journal of Lightwave Technology, 2013, 31, 2888-2896.	4.6	7
24	Analysis of the signal amplitude regimes in injection detection using laser diodes. , 2000, 3944, 639.		6
25	Silicon Photonics and FDMA-PON: Insights From the EU FP7 FABULOUS Project. , 2015, , .		5
26	Terahertz homodyne self-mixing transmission spectroscopy. Applied Physics Letters, 2015, 106, 061111.	3.3	4
27	Semiclassical particle-like description of optical amplifier noise. Optical and Quantum Electronics, 1999, 31, 367-376.	3.3	3
28	The linewidth enhancement factor of semiconductor lasers: usefulness, limitations, and measurements. , 2010, , .		3
29	All-Optical Self-Synchronizing Scheme for Contention Resolution in Asynchronous Optical Packet Switched Networks Using Continuously Tunable Optical Delay Line. , 2011, , .		3
30	Noise analysis of gain-clamped and conventional semiconductor optical amplifiers. , 2000, , .		1
31	Semiconductor colliding-pulse mode-locked lasers at 60 GHz subjected to optical feedback. , 2004, 5452, 146.		1
32	Generation of a narrow linewidth mm-wave signal from two phase-locked DFB lasers that are mutually coupled via four wave mixing. , 2009, , .		1
33	Luminous tiles: A new building device for smart architectures and applications. Microprocessors and Microsystems, 2017, 51, 198-208.	2.8	1
34	Stress-strain hysteresis cycle measured by a differential self-mixing interferometer. , 2006, , .		0
35	Linewidth enhancement factor of a THz quantum cascade laser. , 2007, , .		0
36	Investigation on the linewidth enhancement factor of multiple longitudinal mode semiconductor lasers. , 2008, , .		0