Alain Maestrini

List of Publications by Year
in descending order

18	845	840776 11	1125743 13
papers	citations	h-index	g-index

19	19	19	666
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Frequency-Multiplied Source With More Than 1 mW of Power Across the 840â€“900-GHz Band. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1925-1932.	4.6	156
2	Schottky diode-based terahertz frequency multipliers and mixers. Comptes Rendus Physique, 2010, 11, 480-495.	0.9	138
3	Design and Characterization of a Room Temperature All-Solid-State Electronic Source Tunable From 2.48 to 2.75 THz. IEEE Transactions on Terahertz Science and Technology, 2012, 2, 177-185.	3.1	123
4	Demonstration of a room temperature 2.48â€“2.75 THz coherent spectroscopy source. Review of Scientific Instruments, 2011, 82, 093105.	1.3	75
5	In-Phase Power-Combined Frequency Triplers at 300 GHz. IEEE Microwave and Wireless Components Letters, 2008, 18, 218-220.	3.2	74
6	A Single-Waveguide In-Phase Power-Combined Frequency Doubler at 190 GHz. IEEE Microwave and Wireless Components Letters, 2011, 21, 332-334.	3.2	67
7	A Broadband 835â€“900-GHz Fundamental Balanced Mixer Based on Monolithic GaAs Membrane Schottky Diodes. IEEE Transactions on Microwave Theory and Techniques, 2010, 58, 1917-1924.	4.6	59
8	Terahertz Sources Based on Frequency Multiplication and Their Applications. Frequenz, 2008, 62, 118-122.	0.9	37
9	Tunable broadband frequency-multiplied terahertz sources. , 2008, , .		27
10	A Broadband 900-GHz Silicon Micromachined Two-Anode Frequency Tripler. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 1673-1681.	4.6	26
11	High Efficiency and Wideband 300ÂGHz Frequency Doubler Based on Six Schottky Diodes. Journal of Infrared, Millimeter, and Terahertz Waves, 2017, 38, 1331-1341.	2.2	16
12	Monte Carlo Study of 2-D Capacitance Fringing Effects in GaAs Planar Schottky Diodes. IEEE Transactions on Electron Devices, 2016, 63, 3900-3907.	3.0	14
13	Frequency tunable electronic sources working at room temperature in the 1 to 3 THz band. Proceedings of SPIE, 2012, , .	0.8	11
14	Broadband sources in the 1–3 THz range. , 2009, , .		7
15	A 300â€‰GHz powerâ€combined frequency doubler based on E â€plane 90Â°â€hybrid and Yâ€junction. Microwave and Optical Technology Letters, 2020, 62, 2683-2691.	1.4	5
16	In-phase power combining of submillimeter-wave multipliers. , 2008, , .		4
17	High Efficiency and Powerful 260-340 GHz Frequency Doublers based on Schottky Diodes. , 2020, , .		3
18	Wideband Schottky Doubler with High Efficiency and Output Power. , 2019, , .		2