

# Giancarlo Ripamonti

## List of Publications by Year in descending order

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24  
papers

400  
citations

1040056

9  
h-index

888059

17  
g-index

24  
all docs

24  
docs citations

24  
times ranked

267  
citing authors

#	ARTICLE	IF	CITATIONS
1	20â€ps timing resolution with singleâ€photon avalanche diodes. Review of Scientific Instruments, 1989, 60, 1104-1110.	1.3	131
2	Photoluminescence lifetime microscope spectrometer based on timeâ€correlated singleâ€photon counting with an avalanche diode detector. Review of Scientific Instruments, 1990, 61, 11-22.	1.3	51
3	Avalanche semiconductor detector for single optical photons with a time resolution of 60 ps. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 253, 482-487.	1.6	49
4	Multiple delay line shaping: a new class of weighting functions suitable for digital signal processing. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 340, 584-593.	1.6	31
5	No dead-space optical time-domain reflectometer. Journal of Lightwave Technology, 1990, 8, 1278-1283.	4.6	23
6	All-silicon avalanche photodiode sensitive at 1.3 mu m with picosecond time resolution. IEEE Journal of Quantum Electronics, 1992, 28, 2678-2681.	1.9	21
7	Signal Integrity Flow for System-in-Package and Package-on-Package Devices. Proceedings of the IEEE, 2009, 97, 84-95.	21.3	17
8	A Modified IBIS Model Aimed at Signal Integrity Analysis of Systems in Package. IEEE Transactions on Circuits and Systems I: Regular Papers, 2008, 55, 1921-1928.	5.4	14
9	3-D Integration Technologies [Scanning the Issue]. Proceedings of the IEEE, 2009, 97, 5-8.	21.3	14
10	Optimum zero-area filter for nuclear signal sequences. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 391, 301-309.	1.6	9
11	A new class of weighting functions: Energy resolution improvement from an input shunt inductor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1987, 260, 171-186.	1.6	7
12	New photoconductive gain mechanism by electric field modulation in multiquantumâ€well heterostructures. Journal of Applied Physics, 1989, 65, 388-390.	2.5	7
13	A Weighted Least Mean Squares Linear Algorithm for Energy and Occurrence Time Measurement of Pulse. IEEE Transactions on Nuclear Science, 2007, 54, 629-634.	2.0	7
14	Application of a Digital Technique for Timing of Events From Scintillation Detectors. IEEE Transactions on Nuclear Science, 2006, 53, 3850-3854.	2.0	5
15	High frequency, high time resolution time-to-digital converter employing passive resonating circuits. Review of Scientific Instruments, 2010, 81, 054705.	1.3	5
16	Non-linear least squares fitting in FPGA devices for digital spectroscopy. , 2009, , .		4
17	New double constantâ€fraction trigger circuit for locking on laser pulse trains up to 100 MHz. Review of Scientific Instruments, 1990, 61, 1004-1009.	1.3	2
18	First demonstration of sub-nanosecond photon timing with a Germanium photodiode. Microelectronic Engineering, 1992, 19, 61-64.	2.4	1

#	ARTICLE	IF	CITATIONS
19	Configurable Digital Emulation of Radiation Sources. , 2006, , .		1
20	High performance firmware architecture for FIR filtering in DSP processors. , 2007, , .		1
21	Photoinduced field modulation in multi-quantum well heterostructures: A new photocurrent gain mechanism. Superlattices and Microstructures, 1989, 5, 491-494.	3.1	0
22	Observation of quantum well polarization effects in the photocurrent of multilayer diodes. Journal of Applied Physics, 1990, 67, 583-585.	2.5	0
23	An Application of Subspace-Based Techniques to Nuclear Spectroscopy. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 1997, 30, 1591-1596.	0.4	0
24	Segmented quasi-coaxial HP-Ge detectors optimized for spatial localization of the events. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 440-445.	1.6	0