Giancarlo Ripamonti

List of Publications by Year
in descending order

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	High frequency, high time resolution time-to-digital converter employing passive resonating circuits. Review of Scientific Instruments, 2010, 81, 054705.	1.3	5
2	3-D Integration Technologies [Scanning the Issue]. Proceedings of the IEEE, 2009, 97, 5-8.	21.3	14
3	Signal Integrity Flow for System-in-Package and Package-on-Package Devices. Proceedings of the IEEE, 2009, 97, 84-95.	21.3	17
4	Non-linear least squares fitting in FPGA devices for digital spectroscopy. , 2009, , .		4
5	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
6	High performance firmware architecture for FIR filtering in DSP processors. , 2007, , .		1
7	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
8	Application of a Digital Technique for Timing of Events From Scintillation Detectors. IEEE Transactions on Nuclear Science, 2006, 53, 3850-3854.	2.0	5
9	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
10	Configurable Digital Emulation of Radiation Sources. , 2006, , .		1
11	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
12	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
13	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
14	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
15	First demonstration of sub-nanosecond photon timing with a Germanium photodiode. Microelectronic Engineering, 1992, 19, 61-64.	2.4	1
16	Observation of quantum well polarization effects in the photocurrent of multilayer diodes. Journal of Applied Physics, 1990, 67, 583-585.	2.5	0
17	New double constant–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	Photoluminescence lifetime microscope spectrometer based on time–correlated single–photon counting with an avalanche diode detector. Review of Scientific Instruments, 1990, 61, 11-22.	1.3	51

#	Article	IF	Citations
19	No dead-space optical time-domain reflectometer. Journal of Lightwave Technology, 1990, 8, 1278-1283.	4.6	23
20	20‑ps timing resolution with single‑photon avalanche diodes. Review of Scientific Instruments, 1989, 60, 1104-1110.	1.3	131
21	New photoconductive gain mechanism by electric field modulation in multiquantum‑well heterostructures. Journal of Applied Physics, 1989, 65, 388-390.	2.5	7
22	Photoinduced field modulation in multiquantum well heterostructures: A new photocurrent gain mechanism. Superlattices and Microstructures, 1989, 5, 491-494.	3.1	0
23	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
24	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