Krzysztof Pozniak

List of Publications by Year in descending order

314 papers	13,593 citations	159525 30 h-index	21521 114 g-index
316 all docs	316 docs citations	316 times ranked	11071 citing authors

#	Article	IF	Citations
1	Multichannel gas electron multiplier based soft x-ray field-programmable gate array measurement system for W-Environment in Steady-state Tokamak (WEST): Hardware, installation, and first plasma acquisition. Review of Scientific Instruments, 2021, 92, 054704.	0.6	2
2	RF front-end for long distance WiFi communication. , 2021, , .		1
3	Open-source multi-channel Smart Arbitrary Waveform Generators (SAWG) for quantum information processing. , 2021, , .		1
4	Parallel computing in soft Xâ€rays plasma diagnostic systems for thermal fusion reactorsâ€"feasibility studies for GPUs. Concurrency Computation Practice and Experience, 2020, 32, e5235.	1.4	1
5	First exploitation results of recently developed SXR GEM-based diagnostics at the WEST project. Nuclear Materials and Energy, 2020, 25, 100850.	0.6	4
6	Data Quality Monitoring Considerations for Implementation in High Performance Raw Signal Processing Real-time Systems with Use in Tokamak Facilities. Journal of Fusion Energy, 2020, 39, 221-229.	0.5	3
7	Commanding a police operation with a Mobile Distribution Point of ICT Infrastructure. , 2020, , 43-53.		0
8	Video signals integrator prototype system. , 2020, , .		0
9	Multichannel Data Acquisition System for GEM Detectors. Journal of Fusion Energy, 2019, 38, 467-479.	0.5	8
10	Latency and throughput of online processing in Soft X-Ray GEM-based measurement system. Journal of Instrumentation, 2019, 14, C05001-C05001.	0.5	5
11	FPGA and Embedded Systems Based Fast Data Acquisition and Processing for GEM Detectors. Journal of Fusion Energy, 2019, 38, 480-489.	0.5	5
12	GBT oriented firmware for Data Processing Boards for CBM. , 2019, , .		1
13	Sorting of STS-XYTER2 data for microslice building for CBM experiment. , 2019, , .		1
14	Mobile distribution point architecture concept of ICT infrastructure. , 2019, , .		0
15	Communication model for multi-level control, management, and acquisition firmware-software implementations for tokamak plasma diagnostics systems. , 2019, , .		0
16	GEM detector charge signals sequencer implementation for WEST experiment. , 2019, , .		0
17	Synchronization between computation and acquisition parts in the GEM detector-based measurement system. , 2019, , .		0
18	Video signals integrator: configuration database. , 2019, , .		0

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19	Concept of the platform architecture for data integration from the Border Guard observation systems. , 2019, , .		1
20	Design and development of soft x-ray diagnostics based on GEM detectors at IPPLM. , 2019, , .		0
21	Modelling of soft fault propagation in sequential circuits by fuzzy-logic simulations. , 2019, , .		0
22	FPGA-based novel real-time evaluation and data quality monitoring system for tokamak high-performance GEM soft X-ray diagnostic. Journal of Instrumentation, 2018, 13, P12024-P12024.	0.5	6
23	The software-defined fast post-processing for GEM soft x-ray diagnostics in the Tungsten Environment in Steady-state Tokamak thermal fusion reactor. Review of Scientific Instruments, 2018, 89, 063504.	0.6	7
24	Measuring issues in the GEM detector system for fusion plasma imaging. Journal of Instrumentation, 2018, 13, C08001-C08001.	0.5	6
25	Novel Application of Parallel Computing Techniques in Soft X-Rays Plasma Measurement Systems for the WEST Experimental Thermal Fusion Reactor. , 2018, , .		4
26	Matlab-based modeling of GEM diagnostic data sequencer. , 2018, , .		1
27	Data distribution and dispatching software for processing measurement data acquired with SXR GEM-based system. , 2018, , .		2
28	Advanced real-time data quality monitoring model for tokamak plasma diagnostics. , 2018, , .		3
29	Performance Evaluation of Developed GEM-based X-Ray Diagnostic System. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 637.	0.0	4
30	High-speed Concentration of Sorted Data Streams for HEP Experiments. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 689.	0.0	2
31	High-voltage Power Supply for GEM Detectors. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 781.	0.0	1
32	Charge cluster identification for multidimensional GEM detector structures. , 2018, , .		0
33	Widely parameterizable high-level synthesis. , 2018, , .		0
34	CRI board for CBM experiment: preliminary studies. , 2018, , .		2
35	Diagnostic system for video concentration device. , 2018, , .		1
36	GEM-based plasma radiation diagnostics development: design aspects affecting its performance. , 2018, , .		0

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37	VHDL-based parameterized clock manager simulator for FPGA. , 2018, , .		0
38	High voltage generator module for high energy physics experiments. , 2018, , .		0
39	The methodology of development of real-time and high-throughput heterogeneous devices for plasma confinement fusion diagnostics. , 2018, , .		0
40	MCORD: MPD cosmic ray detector for NICA. , 2018, , .		2
41	Measurements and controls implementation for WEST. Fusion Engineering and Design, 2017, 123, 1029-1032.	1.0	8
42	Design of versatile ASIC and protocol tester for CBM readout system. Journal of Instrumentation, 2017, 12, C02060-C02060.	0.5	6
43	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	0.5	307
44	Challenges in QCD matter physics --The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.	1.0	222
45	Multichannel measurement system for extended SXR plasma diagnostics based on novel radiation-hard electronics. Fusion Engineering and Design, 2017, 123, 727-731.	1.0	14
46	Development of GEM detector for tokamak SXR tomography system: Preliminary laboratory tests. Fusion Engineering and Design, 2017, 123, 877-881.	1.0	13
47	SXR measurement and W transport survey using GEM tomographic system on WEST. Journal of Instrumentation, 2017, 12, C11034-C11034.	0.5	9
48	Implementation of the data acquisition system for the Overlap Muon Track Finder in the CMS experiment. Journal of Instrumentation, 2017, 12, C01050-C01050.	0.5	7
49	On a gas electron multiplier based synthetic diagnostic for soft x-ray tomography on WEST with focus on impurity transport studies. Journal of Instrumentation, 2017, 12, C08013-C08013.	0.5	6
50	Evaluation of FPGA to PC feedback loop. Proceedings of SPIE, 2017, , .	0.8	3
51	The computation in diagnostics for tokamaks: systems, designs, approaches. Proceedings of SPIE, 2017, , .	0.8	3
52	Feasibility of FPGA to HPC computation migration of plasma impurities diagnostic algorithms. International Journal of Electronics and Telecommunications, 2017, 63, 323-328.	0.6	4
53	Implementation of multistandard video signals integrator. , 2017, , .		1
54	FPGA-based firmware model for extended measurement systems with data quality monitoring. Proceedings of SPIE, 2017, , .	0.8	2

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55	Selection of hardware platform for CBM Common Readout Interface. , 2017, , .		2
56	VHDL resolved function based inner communication bus for FPGA. , 2017, , .		0
57	New Fast Beam Conditions Monitoring (BCM1F) system for CMS. Journal of Instrumentation, 2016, 11, C01088-C01088.	0.5	4
58	FPGA-based GEM detector signal acquisition for SXR spectroscopy system. Journal of Instrumentation, 2016, 11, C11035-C11035.	0.5	19
59	Gaseous electron multiplier-based soft x-ray plasma diagnostics development: Preliminary tests at ASDEX Upgrade. Review of Scientific Instruments, 2016, 87, 11E325.	0.6	14
60	GEM detectors development for radiation environment: neutron tests and simulations. , 2016, , .		0
61	The cluster charge identification in the GEM detector for fusion plasma imaging by soft X-ray diagnostics. Review of Scientific Instruments, 2016, 87, 11E336.	0.6	16
62	Versatile prototyping platform for Data Processing Boards for CBM experiment. Journal of Instrumentation, 2016, 11, C02031-C02031.	0.5	10
63	New trends in logic synthesis for both digital designing and data processing. Proceedings of SPIE, 2016, , .	0.8	1
64	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at s = 7 $$ sqrt{s}=7 $$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	19
65	Automatization of hardware configuration for plasma diagnostic system. Proceedings of SPIE, 2016, , .	0.8	0
66	Video signals integrator (VSI) system architecture. , 2016, , .		0
67	Concept and Current Status of Data Acquisition Technique for GEM Detectorâ€“Based SXR Diagnostics. Fusion Science and Technology, 2016, 69, 595-604.	0.6	13
68	Modeling of serial data acquisition structure for GEM detector system in Matlab. Proceedings of SPIE, 2016, , .	0.8	3
69	The development of algorithms for the deployment of new version of GEM-detector-based acquisition system. , 2016, , .		2
70	Algorithm for fast event parameters estimation on GEM acquired data. , 2016, , .		3
71	From the Physical Model to the Electronic System --- OMTF Trigger for CMS. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 181.	0.0	3
72	The Speedup Analysis in GEM Detector Based Acquisition System Algorithms with CPU and PCIe Cards. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 257.	0.0	4

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73	Identification of needs and requirements defined by services subordinated to the Minister of the Interior and Administration in key technology and user interfaces to develop a concept of the Video Signals Integrator (VSI) system. Proceedings of SPIE, 2016, , .	0.8	0
74	Algorithms development for the GEM-based detection system. Proceedings of SPIE, 2016, , .	0.8	1
75	Fast Data Acquisition Measurement System For Plasma Diagnostics Using Gem Detectors. , 2016, , .		1
76	Architecture of the upgraded BCM1F backend electronics for Beam Conditions and Luminosity measurement. Journal of Instrumentation, 2015, 10, C02020-C02020.	0.5	4
77	Serial data acquisition for the X-ray plasma diagnostics with selected GEM detector structures. Journal of Instrumentation, 2015, 10, P10013-P10013.	0.5	19
78	Conceptual design and development of GEM based detecting system for tomographic tungsten focused transport monitoring. Journal of Instrumentation, 2015, 10, P10022-P10022.	0.5	33
79	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	1.6	50
80	Determination of tungsten and molybdenum concentrations from an x-ray range spectrum in JET with the ITER-like wall configuration. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 144023.	0.6	22
81	FPGA based charge acquisition algorithm for soft x-ray diagnostics system. Proceedings of SPIE, 2015, , .	0.8	9
82	Management and protection system for superconducting tokamak. , 2015, , .		2
83	On line separation of overlapped signals from multi-time photons for the GEM-based detection system. Proceedings of SPIE, 2015, , .	0.8	7
84	Petri net-based dependability modeling methodology for reconfigurable field programmable gate arrays. , 2015, , .		1
85	Fast data transmission from serial data acquisition for the GEM detector system. Proceedings of SPIE, 2015, , .	0.8	6
86	Introducing parallelism to histogramming functions for GEM systems. Proceedings of SPIE, 2015, , .	0.8	5
87	Algorithmic synthesis using Python compiler. , 2015, , .		0
88	Development of low noise CCD readout front-end. Proceedings of SPIE, 2015, , .	0.8	1
89	Object oriented hardware-software test bench for OMTF diagnosis. Proceedings of SPIE, 2015, , .	0.8	0
90	The CMS fast beams condition monitor back-end electronics based on MicroTCA technology: status and development. Proceedings of SPIE, 2015, , .	0.8	0

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91	White Rabbit in space related application. , 2015, , .		1
92	Distributed diagnostic system for tokamaks high-voltage power supply section. Proceedings of SPIE, 2015, , .	0.8	5
93	Time and clock synchronization with AFCK for CBM. , 2015, , .		5
94	OMTF firmware overview. Proceedings of SPIE, 2015, , .	0.8	2
95	Design of soft-X-ray tomographic system in WEST using GEM detectors. Fusion Engineering and Design, 2015, 96-97, 856-860.	1.0	37
96	Multichannel reconfigurable measurement system for hot plasma diagnostics based on GEM-2D detector. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 49-53.	0.6	26
97	On algorithmic optimization of histogramming functions for GEM systems. Proceedings of SPIE, 2015, , .	0.8	4
98	GEM detector development for tokamak plasma radiation diagnostics: SXR poloidal tomography. Proceedings of SPIE, 2015, , .	0.8	5
99	Data processing for soft X-ray diagnostics based on GEM detector measurements for fusion plasma imaging. Nuclear Instruments & Methods in Physics Research B, 2015, 364, 54-59.	0.6	18
100	X-ray crystal spectrometer upgrade for ITER-like wall experiments at JET. Review of Scientific Instruments, 2014, 85, 11E425.	0.6	36
101	3D imaging of nuclear reactions using GEM TPC. Proceedings of SPIE, 2014, , .	0.8	1
102	Fast modular data acquisition system for GEM-2D detector. , 2014, , .		6
103	CBM Collaboration. Nuclear Physics A, 2014, 931, 1222-1227.	0.6	0
104	Dependability modeling of dynamically reconfigurable space equipment. , 2014, , .		0
105	Development of GEM gas detectors for X-ray crystal spectrometry. Journal of Instrumentation, 2014, 9, C03003-C03003.	0.5	54
106	Diagnostic-management system and test pulse acquisition for WEST plasma measurement system. , 2014, , .		6
107	Python based integration of GEM detector electronics with JET data acquisition system. , 2014, , .		1
108	FPGA implementation of overlap MTF trigger: preliminary study. , 2014, , .		3

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109	Fast data transmission in dynamic data acquisition system for plasma diagnostics. Proceedings of SPIE, 2014, , .	0.8	2
110	Development of 2D imaging of SXR plasma radiation by means of GEM detectors. Proceedings of SPIE, 2014, , .	0.8	3
111	The fast beam condition monitor BCM1F backend electronics upgraded MicroTCA-based architecture. , 2014, , .		1
112	Serial data acquisition for GEM-2D detector. Proceedings of SPIE, 2014, , .	0.8	10
113	Data acquisition methods for GEM detectors. , 2014, , .		6
114	Data management software concept for WEST plasma measurement system. , 2014, , .		0
115	Python based high-level synthesis compiler. , 2014, , .		1
116	Data processing and analysis for 2D imaging GEM detector system. , 2014, , .		0
117	Design of T-GEM detectors for X-ray diagnostics on JET. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 36-38.	0.7	37
118	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
119	TRIDAQ systems in HEP experiments at LHC accelerator. , 2013, , .		0
120	Review of parallel computing methods and tools for FPGA technology. , 2013, , .		4
121	Embedded controller for GEM detector readout system. , 2013, , .		3
122	Heavy stable charged particles search by RPC system at CMS detector at LHC accelerator at CERN. Proceedings of SPIE, 2013, , .	0.8	2
123	FPGA based charge fast histogramming for GEM detector. , 2013, , .		14
124	Automatic HDL firmware generation for FPGA-based reconfigurable measurement and control systems with mezzanines in FMC standard. , 2013, , .		1
125	Automatic resource identification for FPGA-based reconfigurable measurement and control systems with mezzanines in FMC standard. Proceedings of SPIE, 2013, , .	0.8	2
126	Implementation of PCIe-SerDes-DDR3 communication in a multi-FPGA data acquisition system. , 2013, , .		2

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127	Automatic configuration of FMC boards for FPGA-based reconfigurable measurement and control systems with mezzanines in FMC standard. , 2013, , .		1
128	TRIDAQ Systems in HEP Experiments at LHC Accelerator. International Journal of Electronics and Telecommunications, 2013, 59, .	0.5	0
129	FPGA based fast synchronous serial multi-wire links synchronization. , 2013, , .		1
130	A plug-in to Eclipse for VHDL source codes: functionalities. Proceedings of SPIE, 2012, , .	0.8	7
131	Implementation of PCI Express bus communication for FPGA-based data acquisition system. Proceedings of SPIE, 2012, , .	0.8	2
132	Heavy stable charged particles search by novel pattern comparator processor. , 2012, , .		4
133	Fast ADC based multichannel acquisition system for the GEM detector. , 2012, , .		8
134	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	1.5	6,177
135	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
136	Automatic test-bench for GEM detectors. Proceedings of SPIE, 2011, , .	0.8	3
137	Optimization of FPGA processing of GEM detector signal. , 2011, , .		10
138	FPGA mezzanine card DSP module. Proceedings of SPIE, 2011, , .	0.8	1
139	Selected issues of the universal communication environment implementation for CII standard. , 2011, , .		1
140	Intelligent thermal imaging camera with network interface. Proceedings of SPIE, 2011, , .	0.8	0
141	Readout electronics for the GEM detector. Proceedings of SPIE, 2011, , .	0.8	7
142	Documentation generator application for MatLab source codes. Proceedings of SPIE, 2011, , .	0.8	2
143	Documentation generator application for VHDL source codes. Proceedings of SPIE, 2011, , .	0.8	4
144	Plug-in to Eclipse environment for VHDL source code editor with advanced formatting of text. , 2011, , .		0

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145	Documentation generator for VHDL and MatLab source codes for photonic and electronic systems. Proceedings of SPIE, 2011, , .	0.8	4
146	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	0.5	59
147	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
148	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	0.5	20
149	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
150	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. Journal of Instrumentation, 2010, 5, T03016-T03016.	0.5	17
151	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
152	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
153	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	0.5	19
154	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	0.5	25
155	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	0.5	24
156	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	0.5	19
157	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	0.5	25
158	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	0.5	59
159	Parameterized diagnostic module implemented in FPGA structures. Proceedings of SPIE, 2010, , .	0.8	0
160	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
161	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18
162	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	0.5	5

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163	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	0.5	36
164	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
165	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
166	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
167	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	0.5	19
168	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	0.5	35
169	Integration of multi-interface conversion channel using FPGA for modular photonic network. Proceedings of SPIE, 2010, , .	0.8	3
170	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
171	FPGA-based, specialized trigger and data acquisition systems for high-energy physics experiments. Measurement Science and Technology, 2010, 21, 062002.	1.4	9
172	Modeling of Synchronous Data Streams Processing in the RPC Muon Trigger System of the CMS Experiment. International Journal of Electronics and Telecommunications, 2010, 56, 489-502.	0.5	1
173	Resistive plate chamber commissioning and performance in CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 696-699.	0.7	4
174	A configurable tracking algorithm to detect cosmic muon tracks for the CMS-RPC based technical trigger. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 602, 792-795.	0.7	3
175	First measurements of the performance of the Barrel RPC system in CMS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 609, 114-121.	0.7	10
176	Maintaining complex and distributed measurement systems with component internal interface framework. Proceedings of SPIE, 2009, , .	0.8	3
177	Project and realization of fast A/D and D/A conversion channel using FPGA to analyze and process signals. , 2009, , .		0
178	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
179	Advanced camera image data acquisition system for Pi-of-the-Sky. Proceedings of SPIE, 2008, , .	0.8	6
180	Implementation of adaptive feed-forward algorithm on embedded PowerPC405 processor for FLASH accelerator. , 2007, , .		2

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181	Control System Modelling for Superconducting Accelerator. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
182	<title>Decomposition of MATLAB script for FPGA implementation of real time simulation algorithms for LLRF system in European XFEL</title>. Proceedings of SPIE, 2007, , .	0.8	3
183	Implementation of the data acquisition system for the Resistive Plate Chamber pattern comparator muon trigger in the CMS experiment. Measurement Science and Technology, 2007, 18, 2456-2464.	1.4	4
184	FPGA technology application in a fast measurement and control system for the TESLA superconducting cavity of a FLASH free electron laser. Measurement Science and Technology, 2007, 18, 2336-2347.	1.4	3
185	FPGA-based implementation of a cavity field controller for FLASH and X-FEL. Measurement Science and Technology, 2007, 18, 2365-2371.	1.4	35
186	Diagnostic layer integration in FPGA-based pipeline measurement systems for HEP experiments. Measurement Science and Technology, 2007, 18, 2432-2445.	1.4	4
187	Hardware Implementation of Real Time Cavity Parameters Identification System. , 2007, , .		0
188	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
189	<title>Nios II implementation in CCD camera for Pi of the Sky experiment</title>. Proceedings of SPIE, 2007, , .	0.8	4
190	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	1.4	136
191	<title>MatLab script to C code converter for embedded processors of FLASH LLRF control system</title>. , 2007, , .		2
192	<title>FPGA based PCI mezzanine card with digital interfaces</title>. Proceedings of SPIE, 2007, , .	0.8	2
193	<title>Distributed TRIDAQ systems for large HEP experiments: Part II. Implementation for BAC (ZEUS at HERA) and RPC (CMS at LMC) detectors</title>. Proceedings of SPIE, 2007, , .	0.8	1
194	<title>Data acquisition module implemented on PCI mezzanine card</title>. , 2007, , .		5
195	<title>Vector modulator board for X-FEL LLRF system</title>. , 2007, , .		1
196	<title>FPGA control utility in JAVA</title>. , 2007, , .		2
197	<title>Distributed TRIDAQ systems for large HEP experiments: Part I. System architecture</title>. Proceedings of SPIE, 2007, , .	0.8	0
198	<title>Multi-cavity complex controller with vector simulator for TESLA technology linear accelerator</title>. , 2007, , .		3

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199	<title>Hardware emulator of the high-resolution CCD sensor for the Pi of the Sky experiment</title>. Proceedings of SPIE, 2007, , .	0.8	2
200	<title>Versatile LLRF platform for FLASH laser</title>. , 2007, , .		2
201	Metrological Aspects of Accelerator Technology and High Energy Physics Experiments. Measurement Science and Technology, 2007, 18, .	1.4	29
202	Synchronization methods for the PAC RPC trigger system in the CMS experiment. Measurement Science and Technology, 2007, 18, 2446-2455.	1.4	13
203	<title>FPGA systems development based on universal controller module</title>. , 2007, , .		2
204	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	15.6	1,455
205	<title>Measurement and control of field in RF GUN at FLASH</title>. , 2007, , .		3
206	<title>FPGA-based multichannel optical concentrator SIMCON 4.0 for TESLA cavities LLRF control system</title>. , 2006, , .		8
207	<title>Control system modeling for superconducting accelerator</title>. , 2006, , .		0
208	<title>Software layer for SIMCON ver. 2.1. FPGA based LLRF control system for TESLA FEL part I: system overview, software layers definition</title>. , 2006, , .		1
209	<title>Status of LLRF system development for European XFEL</title>. , 2006, 6347, 20.		0
210	<title>Measurements of SIMCON 3.1 LLRF control signal processing quality for VUV free-electron laser FLASH</title>. , 2006, 6347, 53.		6
211	<title>Image acquisition in the Pi-of-the-Sky project</title>. , 2006, 6347, 215.		0
212	<title>Synchronous optical transmission data link integrated with FPGA for TESLA FEL SIMCON system: long data vector optical transceiver module tests</title>. , 2006, , .		0
213	<title>Cavity simulator and controller for VUV free electron laser SIMCON 2.1, part III: I/O ports and measurement results</title>. , 2006, , .		0
214	<title>Cavity simulator and controller for VUV free electron laser SIMCON 2.1, part I: algorithms and SIMCON system</title>. , 2006, , .		0
215	<title>SIMCON 3.0 eight channel FPGA-based cavity simulator and controller for VUV free-electron laser</title>. , 2006, , .		0
216	<title>Modular version of SIMCON, FPGA based, DSP integrated, LLRF control system for TESLA FEL part II: measurement of SIMCON 3.0 DSP daughterboard</title>. , 2006, 6159, 38.		3

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