

Krzysztof Pozniak

List of Publications by Year in descending order

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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	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
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
3	Operation of a free-electron laser from the extreme ultraviolet to the water window. Nature Photonics, 2007, 1, 336-342.	15.6	1,455
4	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
5	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	0.5	307
6	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
7	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
8	Pi of the Sky – all-sky, real-time search for fast optical transients. New Astronomy, 2005, 10, 409-416.	0.8	119
9	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
10	Overview of the JET results with the ITER-like wall. Nuclear Fusion, 2013, 53, 104002.	1.6	70
11	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	0.5	59
12	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	0.5	59
13	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
14	Development of GEM gas detectors for X-ray crystal spectrometry. Journal of Instrumentation, 2014, 9, C03003-C03003.	0.5	54
15	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
16	The CMS high level trigger. European Physical Journal C, 2006, 46, 605-667.	1.4	51
17	Overview of the JET results. Nuclear Fusion, 2015, 55, 104001.	1.6	50
18	TESLA cavity modeling and digital implementation in FPGA technology for control system development. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 556, 565-576.	0.7	46

#	ARTICLE	IF	CITATIONS
19	Cavity parameters identification for TESLA control system development. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 548, 283-297.	0.7	41
20	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
21	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
22	Design of soft-X-ray tomographic system in WEST using GEM detectors. Fusion Engineering and Design, 2015, 96-97, 856-860.	1.0	37
23	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	0.5	36
24	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
25	X-ray crystal spectrometer upgrade for ITER-like wall experiments at JET. Review of Scientific Instruments, 2014, 85, 11E425.	0.6	36
26	FPGA-based implementation of a cavity field controller for FLASH and X-FEL. Measurement Science and Technology, 2007, 18, 2365-2371.	1.4	35
27	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	0.5	35
28	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
29	Superconducting cavity driving with FPGA controller. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 568, 854-862.	0.7	33
30	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
31	Metrological Aspects of Accelerator Technology and High Energy Physics Experiments. Measurement Science and Technology, 2007, 18, .	1.4	29
32	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
33	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
34	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	0.5	25
35	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	0.5	25
36	?? of the Sky? - automated search for fast optical transients over the whole sky. Astronomische Nachrichten, 2004, 325, 674-674.	0.6	24

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37	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
38	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
39	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
40	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
41	Low latency control board for LLRF system: SIMCON 3.1. , 2005, , .		21
42	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
43	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
44	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
45	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	0.5	19
46	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	0.5	19
47	Serial data acquisition for the X-ray plasma diagnostics with selected GEM detector structures. Journal of Instrumentation, 2015, 10, P10013-P10013.	0.5	19
48	FPGA-based GEM detector signal acquisition for SXR spectroscopy system. Journal of Instrumentation, 2016, 11, C11035-C11035.	0.5	19
49	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
50	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18
51	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
52	<title>TESLA cavity modeling and digital implementation with FPGA technology solution for control system development</title>. , 2004, 5484, 111.		17
53	<title>Functional analysis of DSP blocks in FPGA chips for applications in TESLA LLRF system</title>. , 2004, 5484, 130.		17
54	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

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55	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
56	Resistive Plate Chamber (RPC) based muon trigger system for the CMS experiment – data compression/decompression system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 701-706.	0.7	15
57	<title>Distributed embedded-PC-based control and data acquisition system for TESLA cavity controller and simulator</title>. , 2004, 5484, 171.		14
58	<title>Internal interface for RPC muon trigger electronics at CMS experiment</title>. , 2004, 5484, 269.		14
59	FPGA based charge fast histogramming for GEM detector. , 2013, , .		14
60	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
61	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
62	Synchronization methods for the PAC RPC trigger system in the CMS experiment. Measurement Science and Technology, 2007, 18, 2446-2455.	1.4	13
63	Concept and Current Status of Data Acquisition Technique for GEM Detector–Based SXR Diagnostics. Fusion Science and Technology, 2016, 69, 595-604.	0.6	13
64	Development of GEM detector for tokamak SXR tomography system: Preliminary laboratory tests. Fusion Engineering and Design, 2017, 123, 877-881.	1.0	13
65	<title>Cavity control system essential modeling for the TESLA linear accelerator</title>. , 2003, , .		12
66	FPGA-based cavity simulator and controller for TESLA test facility. , 2005, , .		12
67	FPGA and optical-network-based LLRF distributed control system for TESLA-XFEL linear accelerator. , 2005, 5775, 69.		11
68	DOOCS server and client application for FPGA-based TESLA cavity controller and simulator. , 2005, , .		10
69	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
70	Optimization of FPGA processing of GEM detector signal. , 2011, , .		10
71	Serial data acquisition for GEM-2D detector. Proceedings of SPIE, 2014, , .	0.8	10
72	Versatile prototyping platform for Data Processing Boards for CBM experiment. Journal of Instrumentation, 2016, 11, C02031-C02031.	0.5	10

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73	<title>Cavity control system advanced modeling and simulations for TESLA linear accelerator and free electron laser</title>. , 2004, , .		9
74	<title>"Pi of the sky": robotic search for cosmic flashes</title>. , 2006, 6159, 154.		9
75	FPGA-based, specialized trigger and data acquisition systems for high-energy physics experiments. Measurement Science and Technology, 2010, 21, 062002.	1.4	9
76	FPGA based charge acquisition algorithm for soft x-ray diagnostics system. Proceedings of SPIE, 2015, , .	0.8	9
77	SXR measurement and W transport survey using GEM tomographic system on WEST. Journal of Instrumentation, 2017, 12, C11034-C11034.	0.5	9
78	<title>Pattern comparator trigger algorithm: implementation in FPGA</title>. , 2003, , .		8
79	<title>FPGA-based multichannel optical concentrator SIMCON 4.0 for TESLA cavities LLRF control system</title>. , 2006, , .		8
80	Fast ADC based multichannel acquisition system for the GEM detector. , 2012, , .		8
81	Measurements and controls implementation for WEST. Fusion Engineering and Design, 2017, 123, 1029-1032.	1.0	8
82	Multichannel Data Acquisition System for GEM Detectors. Journal of Fusion Energy, 2019, 38, 467-479.	0.5	8
83	<title>Design and simulation of FPGA implementation of a RF control system for the TESLA test facility</title>. , 2003, 5125, 223.		7
84	<title>Cavity control system: optimization methods for single cavity driving and envelope detection</title>. , 2004, , .		7
85	Fast synchronous distribution network of data streams for RPC Muon Trigger in CMS experiment. , 2005, , .		7
86	Radiation tests of CMS RPC muon trigger electronic components. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 538, 708-717.	0.7	7
87	Readout electronics for the GEM detector. Proceedings of SPIE, 2011, , .	0.8	7
88	A plug-in to Eclipse for VHDL source codes: functionalities. Proceedings of SPIE, 2012, , .	0.8	7
89	On line separation of overlapped signals from multi-time photons for the GEM-based detection system. Proceedings of SPIE, 2015, , .	0.8	7
90	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

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91	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
92	<title>FPGA-based TESLA cavity SIMCON DOOCS server design, implementation, and application</title>. , 2004, 5484, 153.		6
93	<title>Measurements of SIMCON 3.1 LLRF control signal processing quality for VUV free-electron laser FLASH</title>. , 2006, 6347, 53.		6
94	Advanced camera image data acquisition system for Pi-of-the-Sky. Proceedings of SPIE, 2008, , .	0.8	6
95	Fast modular data acquisition system for GEM-2D detector. , 2014, , .		6
96	Diagnostic-management system and test pulse acquisition for WEST plasma measurement system. , 2014, , .		6
97	Data acquisition methods for GEM detectors. , 2014, , .		6
98	Fast data transmission from serial data acquisition for the GEM detector system. Proceedings of SPIE, 2015, , .	0.8	6
99	Design of versatile ASIC and protocol tester for CBM readout system. Journal of Instrumentation, 2017, 12, C02060-C02060.	0.5	6
100	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
101	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
102	Measuring issues in the GEM detector system for fusion plasma imaging. Journal of Instrumentation, 2018, 13, C08001-C08001.	0.5	6
103	<title>Cavity control system model simulations for the TESLA linear accelerator</title>. , 2003, 5125, 214.		5
104	The RPC system for the CMS experiment. , 2006, , .		5
105	<title>Data acquisition module implemented on PCI mezzanine card</title>. , 2007, , .		5
106	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	0.5	5
107	Introducing parallelism to histogramming functions for GEM systems. Proceedings of SPIE, 2015, , .	0.8	5
108	Distributed diagnostic system for tokamaks high-voltage power supply section. Proceedings of SPIE, 2015, , .	0.8	5

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109	Time and clock synchronization with AFCK for CBM. , 2015, , .		5
110	GEM detector development for tokamak plasma radiation diagnostics: SXR poloidal tomography. Proceedings of SPIE, 2015, , .	0.8	5
111	Latency and throughput of online processing in Soft X-Ray GEM-based measurement system. Journal of Instrumentation, 2019, 14, C05001-C05001.	0.5	5
112	FPGA and Embedded Systems Based Fast Data Acquisition and Processing for GEM Detectors. Journal of Fusion Energy, 2019, 38, 480-489.	0.5	5
113	<title>Electronics and photonics for high-energy physics experiments</title>. , 2003, 5125, 91.		4
114	<title>Gigabit optical link test system for RPC muon trigger in the CMS experiment</title>. , 2003, , .		4
115	<title>Cavity digital control testing system by Simulink step operation method for TESLA linear accelerator and free electron laser</title>. , 2004, , .		4
116	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
117	Diagnostic layer integration in FPGA-based pipeline measurement systems for HEP experiments. Measurement Science and Technology, 2007, 18, 2432-2445.	1.4	4
118	<title>Nios II implementation in CCD camera for Pi of the Sky experiment</title>. Proceedings of SPIE, 2007, , .	0.8	4
119	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
120	Documentation generator application for VHDL source codes. Proceedings of SPIE, 2011, , .	0.8	4
121	Documentation generator for VHDL and MatLab source codes for photonic and electronic systems. Proceedings of SPIE, 2011, , .	0.8	4
122	Heavy stable charged particles search by novel pattern comparator processor. , 2012, , .		4
123	Review of parallel computing methods and tools for FPGA technology. , 2013, , .		4
124	Architecture of the upgraded BCM1F backend electronics for Beam Conditions and Luminosity measurement. Journal of Instrumentation, 2015, 10, C02020-C02020.	0.5	4
125	On algorithmic optimization of histogramming functions for GEM systems. Proceedings of SPIE, 2015, , .	0.8	4
126	New Fast Beam Conditions Monitoring (BCM1F) system for CMS. Journal of Instrumentation, 2016, 11, C01088-C01088.	0.5	4

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127	Novel Application of Parallel Computing Techniques in Soft X-Rays Plasma Measurement Systems for the WEST Experimental Thermal Fusion Reactor. , 2018, , .		4
128	First exploitation results of recently developed SXR GEM-based diagnostics at the WEST project. Nuclear Materials and Energy, 2020, 25, 100850.	0.6	4
129	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
130	Performance Evaluation of Developed GEM-based X-Ray Diagnostic System. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 637.	0.0	4
131	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
132	<title>Intranet and Internet metrological network with photonic sensors and transmission</title>. , 1999, 3731, 224.		3
133	<title>Environmental tests of Intranet and Internet metrological station and network with photonic sensors and transmission</title>. , 1999, , .		3
134	<title>Diagnostic and calibration system for the CMS RPC muon trigger</title>. , 2003, , .		3
135	<title>Irradiation effects in electronic components of the RPC trigger for the CMS experiment</title>. , 2004, 5484, 257.		3
136	<title>Data transfer simulation for the RPC muon trigger of the CMS experiment</title>. , 2004, , .		3
137	RPC link box control system for RPC detector in LHC experiment. , 2005, 5775, 131.		3
138	FPGA based, DSP board for LLRF 8-Channel SIMCON 3.0 Part I: Hardware. , 2005, 5948, 110.		3
139	Irradiation investigations for TESLA and X-FEL experiments at DESY. , 2005, , .		3
140	Investigations of irradiation effects on electronic components to be used in VUV-FEL and X-FEL facilities at DESY. , 2005, , .		3
141	Diagnostic tools for the RPC muon trigger of the CMS detector-design and test beam results. IEEE Transactions on Nuclear Science, 2005, 52, 3216-3222.	1.2	3
142	<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
143	<title>Data transmission optical link for LLRF TESLA project part II: application for BER measurements</title>. , 2006, 6159, 18.		3
144	<title>New low noise CCD cameras for Pi-of-the-Sky project</title>. , 2006, 6347, 206.		3

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145	<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
146	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
147	<title>Multi-cavity complex controller with vector simulator for TESLA technology linear accelerator</title>. , 2007, , .		3
148	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
149	Maintaining complex and distributed measurement systems with component internal interface framework. Proceedings of SPIE, 2009, , .	0.8	3
150	Integration of multi-interface conversion channel using FPGA for modular photonic network. Proceedings of SPIE, 2010, , .	0.8	3
151	Automatic test-bench for GEM detectors. Proceedings of SPIE, 2011, , .	0.8	3
152	Embedded controller for GEM detector readout system. , 2013, , .		3
153	FPGA implementation of overlap MTF trigger: preliminary study. , 2014, , .		3
154	Development of 2D imaging of SXR plasma radiation by means of GEM detectors. Proceedings of SPIE, 2014, , .	0.8	3
155	Modeling of serial data acquisition structure for GEM detector system in Matlab. Proceedings of SPIE, 2016, , .	0.8	3
156	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
157	Algorithm for fast event parameters estimation on GEM acquired data. , 2016, , .		3
158	Evaluation of FPGA to PC feedback loop. Proceedings of SPIE, 2017, , .	0.8	3
159	The computation in diagnostics for tokamaks: systems, designs, approaches. Proceedings of SPIE, 2017, , .	0.8	3
160	Advanced real-time data quality monitoring model for tokamak plasma diagnostics. , 2018, , .		3
161	From the Physical Model to the Electronic System -- OMTF Trigger for CMS. Acta Physica Polonica B, Proceedings Supplement, 2016, 9, 181.	0.0	3
162	<title>Measurement and control of field in RF GUN at FLASH</title>. , 2007, , .		3

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163	<title>Correction of fiber optic ion sensor readings using a fiber optic temperature sensor</title>. , 1999, 3731, 161.		2
164	<title>Data quality management system (DQMS) for BAC detector in the ZEUS experiment at the HERA accelerator</title>. , 2003, , .		2
165	<title>Control and monitoring of data acquisition and trigger system (TRIDAQ) for backing calorimeter (BAC) of the ZEUS experiment</title>. , 2003, , .		2
166	<title>HOST: hybrid optoelectronic versatile telemetric system for local community</title>. , 2003, 5125, 38.		2
167	<title>Optoelectronics in TESLA, LHC, and pi-of-the-sky experiments</title>. , 2004, 5576, 299.		2
168	<title>FPGA-based cavity simulator for Tesla test facility</title>. , 2004, , .		2
169	<title>Structure and state visualization system for BAC detector electronics in ZEUS experiment of HERA accelerator</title>. , 2004, 5484, 208.		2
170	<title>Search for optical flashes accompanying gamma ray bursts Pi of the Sky collaboration</title>. , 2004, , .		2
171	FPGA-based LLRF control module for x-ray free electron laser and TESLA feedback system. , 2005, 5775, 61.		2
172	Prototype implementation of the embedded PC-based control and DAQ module for TESLA cavity SIMCON. , 2005, , .		2
173	Parameterized hierarchical sorter for RPC Muon Trigger. , 2005, , .		2
174	Software layer for FPGA-based TESLA cavity control system. , 2005, , .		2
175	Pi of the sky: search for optical flashes of extragalactic origin. , 2005, , .		2
176	<title>FPGA-based modular configurable controller with fast synchronous optical network</title>. , 2006, 6347, 69.		2
177	Implementation of adaptive feed-forward algorithm on embedded PowerPC405 processor for FLASH accelerator. , 2007, , .		2
178	Control System Modelling for Superconducting Accelerator. Conference Record - IEEE Instrumentation and Measurement Technology Conference, 2007, , .	0.0	2
179	<title>MatLab script to C code converter for embedded processors of FLASH LLRF control system</title>. , 2007, , .		2
180	<title>FPGA based PCI mezzanine card with digital interfaces</title>. Proceedings of SPIE, 2007, , .	0.8	2

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181	<title>FPGA control utility in JAVA</title>. , 2007, , .		2
182	<title>Hardware emulator of the high-resolution CCD sensor for the Pi of the Sky experiment</title>. Proceedings of SPIE, 2007, , .	0.8	2
183	<title>Versatile LLRF platform for FLASH laser</title>. , 2007, , .		2
184	<title>FPGA systems development based on universal controller module</title>. , 2007, , .		2
185	Documentation generator application for MatLab source codes. Proceedings of SPIE, 2011, , .	0.8	2
186	Implementation of PCI Express bus communication for FPGA-based data acquisition system. Proceedings of SPIE, 2012, , .	0.8	2
187	Heavy stable charged particles search by RPC system at CMS detector at LHC accelerator at CERN. Proceedings of SPIE, 2013, , .	0.8	2
188	Automatic resource identification for FPGA-based reconfigurable measurement and control systems with mezzanines in FMC standard. Proceedings of SPIE, 2013, , .	0.8	2
189	Implementation of PCIe-SerDes-DDR3 communication in a multi-FPGA data acquisition system. , 2013, , .		2
190	Fast data transmission in dynamic data acquisition system for plasma diagnostics. Proceedings of SPIE, 2014, , .	0.8	2
191	Management and protection system for superconducting tokamak. , 2015, , .		2
192	OMTF firmware overview. Proceedings of SPIE, 2015, , .	0.8	2
193	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
194	The development of algorithms for the deployment of new version of GEM-detector-based acquisition system. , 2016, , .		2
195	Data distribution and dispatching software for processing measurement data acquired with SXR GEM-based system. , 2018, , .		2
196	FPGA-based firmware model for extended measurement systems with data quality monitoring. Proceedings of SPIE, 2017, , .	0.8	2
197	Selection of hardware platform for CBM Common Readout Interface. , 2017, , .		2
198	High-speed Concentration of Sorted Data Streams for HEP Experiments. Acta Physica Polonica B, Proceedings Supplement, 2018, 11, 689.	0.0	2

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199	CRI board for CBM experiment: preliminary studies. , 2018, , .		2
200	MCORD: MPD cosmic ray detector for NICA. , 2018, , .		2
201	<title>Intranet and Internet metrological workstation with photonic sensors and transmission</title>. , 1999, , .		1
202	<title>Distributed control system for TRIDAQ boards</title>. , 2003, 5125, 112.		1
203	<title>JTAG test system for RPC muon trigger in the CMS experiment</title>. , 2003, 5125, 124.		1
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