

# Weihao Wu

## List of Publications by Year in descending order

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22  
papers

214  
citations

1307594

7  
h-index

996975

15  
g-index

22  
all docs

22  
docs citations

22  
times ranked

236  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Generic High Bandwidth Data Acquisition Card for Physics Experiments. IEEE Transactions on Instrumentation and Measurement, 2020, 69, 4569-4577.	4.7	16
2	Development of a FELIX based readout system for ITk strip hybrid module demonstrator for ATLAS Phase-II Upgrade. Journal of Instrumentation, 2020, 15, P03013-P03013.	1.2	0
3	FELIX: the New Detector Interface for the ATLAS Experiment. IEEE Transactions on Nuclear Science, 2019, 66, 986-992.	2.0	10
4	Development and application of a modular test system for the HV-CMOS pixel sensor R&D of the ATLAS HL-LHC upgrade. Radiation Detection Technology and Methods, 2019, 3, 1.	0.8	1
5	Performance of the ATLASPix1 pixel sensor prototype in ams aH18 CMOS technology for the ATLAS ITk upgrade. Journal of Instrumentation, 2019, 14, C08013-C08013.	1.2	6
6	Development and data path integration test of the global Feature EXtractor for the ATLAS Level-1 calorimeter trigger system Phase-I upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 938, 5-9.	1.6	31
7	A data acquisition system for HV-CMOS sensor research and development in the upgrade of ATLAS experiment. Review of Scientific Instruments, 2019, 90, 064701.	1.3	1
8	Development of FELIX based readout system for HV-CMOS sensor testbeam. Journal of Instrumentation, 2019, 14, P01013-P01013.	1.2	3
9	Performance of CMOS pixel sensor prototypes in ams H35 and aH18 technology for the ATLAS ITk upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 104-107.	1.6	5
10	The implementation of Global Feature EXtractor (gFEX) - the ATLAS Calorimeter Level 1 Trigger system for LHC Run-3 upgrade. Journal of Instrumentation, 2018, 13, P07010-P07010.	1.2	3
11	Testbeam results of irradiated ams H18 HV-CMOS pixel sensor prototypes. Journal of Instrumentation, 2018, 13, P02011-P02011.	1.2	46
12	Test beam measurement of ams H35 HV-CMOS capacitively coupled pixel sensor prototypes with high-resistivity substrate. Journal of Instrumentation, 2018, 13, P12009-P12009.	1.2	6
13	Charge collection characterisation with the Transient Current Technique of the ams H35DEMO CMOS detector after proton irradiation. Journal of Instrumentation, 2018, 13, P10004-P10004.	1.2	7
14	Optimization on fixed low latency implementation of the GBT core in FPGA. Journal of Instrumentation, 2017, 12, P07011-P07011.	1.2	10
15	Development of a modular test system for the silicon sensor R&D of the ATLAS Upgrade. Journal of Instrumentation, 2017, 12, P01008-P01008.	1.2	10
16	Results of the 2015 testbeam of a 180 nm AMS High-Voltage CMOS sensor prototype. Journal of Instrumentation, 2016, 11, P07019-P07019.	1.2	6
17	FELIX: a PCIe based high-throughput approach for interfacing front-end and trigger electronics in the ATLAS Upgrade framework. Journal of Instrumentation, 2016, 11, C12023-C12023.	1.2	35
18	The prototype design of gFEX " a component of the l1calo trigger for the ATLAS phase-I upgrade. , 2016, , .		4

#	ARTICLE	IF	CITATIONS
19	gFEX, the ATLAS Calorimeter Level-1 real time processor. , 2015, , .		4
20	Prototype of a front-end readout ASIC designed for the Water Cherenkov Detector Array in LHAASO. Journal of Instrumentation, 2015, 10, P03015-P03015.	1.2	5
21	Optimization of the sampling process for the close orbit data in the digital Beam Position Measurement for SSRF. , 2014, , .		0
22	A Beam Phase and Energy Measurement Instrument Based on Direct RF Signal IQ Undersampling Technique. IEEE Transactions on Instrumentation and Measurement, 2012, 61, 2870-2878.	4.7	5