

Tomasz Hemperek

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

448
citations

933447

10
h-index

839539

18
g-index

18
all docs

18
docs citations

18
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	The FE-I4 pixel readout integrated circuit. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 636, S155-S159.	1.6	219
2	Depleted fully monolithic active CMOS pixel sensors (DMAPS) in high resistivity 150Ånm technology for LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 87-91.	1.6	39
3	Mini-MALTA: radiation hard pixel designs for small-electrode monolithic CMOS sensors for the High Luminosity LHC. Journal of Instrumentation, 2020, 15, P02005-P02005.	1.2	35
4	MALTA: an asynchronous readout CMOS monolithic pixel detector for the ATLAS High-Luminosity upgrade. Journal of Instrumentation, 2019, 14, C06019-C06019.	1.2	25
5	Depleted fully monolithic CMOS pixel detectors using a column based readout architecture for the ATLAS Inner Tracker upgrade. Journal of Instrumentation, 2018, 13, C03039-C03039.	1.2	23
6	Radiation hard pixel sensors using high-resistive wafers in a 150 nm CMOS processing line. Journal of Instrumentation, 2017, 12, P06020-P06020.	1.2	15
7	The Monopix chips: depleted monolithic active pixel sensors with a column-drain read-out architecture for the ATLAS Inner Tracker upgrade. Journal of Instrumentation, 2019, 14, C06006-C06006.	1.2	15
8	CMOS monolithic pixel sensors based on the column-drain architecture for the HL-LHC upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 604-607.	1.6	15
9	BDAQ53, a versatile pixel detector readout and test system for the ATLAS and CMS HL-LHC upgrades. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 986, 164721.	1.6	13
10	Radiation hard monolithic CMOS sensors with small electrodes for High Luminosity LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 986, 164381.	1.6	12
11	Radiation hard DMAPS pixel sensors in 150 nm CMOS technology for operation at LHC. Journal of Instrumentation, 2020, 15, P05013-P05013.	1.2	10
12	DMAPS Monopix developments in large and small electrode designs. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 978, 164460.	1.6	7
13	Progress in DMAPS developments and first tests of the Monopix2 chips in 150 nm LFoundry and 180 nm TowerJazz technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1034, 166747.	1.6	5
14	Characterization of small-pixel passive CMOS sensors in 150 nm LFoundry technology using the RD53A readout chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 972, 164130.	1.6	4
15	Studies for low mass, large area monolithic silicon pixel detector modules using the MALTA CMOS pixel chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 990, 164895.	1.6	4
16	Radiation tolerant, thin, passive CMOS sensors read out with the RD53A chip. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1015, 165771.	1.6	3
17	Evaluation of passive CMOS strip sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167031.	1.6	2
18	MiniCACTUS: Sub-100 ps timing with depleted MAPS. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2022, 1039, 167022.	1.6	2