

Leonello Servoli

List of Publications by Year in descending order

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487
papers

23,585
citations

41627

51
h-index

10679

143
g-index

490
all docs

490
docs citations

490
times ranked

12049
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge identification of fragments with the emulsion spectrometer of the FOOT experiment. Open Physics, 2021, 19, 383-394.	0.8	6
2	Diamond Detectors for Radiotherapy X-Ray Small Beam Dosimetry. Frontiers in Physics, 2021, 9, .	1.0	21
3	Charge identification of nuclear fragments with the FOOT Time-Of-Flight system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1001, 165206.	0.7	4
4	Enhancing the understanding of fragmentation processes in hadrontherapy and radioprotection in space with the FOOT experiment. Physica Scripta, 2021, 96, 114013.	1.2	1
5	Fabrication of a Hydrogenated Amorphous Silicon Detector in 3-D Geometry and Preliminary Test on Planar Prototypes. Instruments, 2021, 5, 32.	0.8	8
6	New test beam results of 3D and pad detectors constructed with poly-crystalline CVD diamond. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162675.	0.7	5
7	Intercalibration of a polycrystalline 3D diamond detector for small field dosimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 958, 162730.	0.7	4
8	A Study of the Radiation Tolerance of CVD Diamond to 70 MeV Protons, Fast Neutrons and 200 MeV Pions. Sensors, 2020, 20, 6648.	2.1	10
9	Feasibility study on the use of CMOS sensors as detectors in radioguided surgery with \hat{I}^2 and \hat{I}^3 emitters. Applied Radiation and Isotopes, 2020, 165, 109347.	0.7	6
10	On MAPS-On-Diamond sensors and their potential as innovative devices. Journal of Instrumentation, 2020, 15, C04048-C04048.	0.5	0
11	Preliminary study of a clinical electron beam using highly pixelated CMOS Image Sensors. Radiation Measurements, 2020, 139, 106472.	0.7	0
12	Stability and efficiency of a CMOS sensor as detector of low energy \hat{I}^2 and \hat{I}^3 particles. Journal of Instrumentation, 2020, 15, P11003-P11003.	0.5	5
13	Hydrogenated amorphous silicon detectors for particle detection, beam flux monitoring and dosimetry in high-dose radiation environment. Journal of Instrumentation, 2020, 15, C04005-C04005.	0.5	4
14	Direct detection of long-duration intense X-ray fluxes with SiPM. Journal of Instrumentation, 2020, 15, C06039-C06039.	0.5	0
15	Measurement of ^{12}C Fragmentation Cross Sections on C, O, and H in the Energy Range of Interest for Particle Therapy Applications. IEEE Transactions on Radiation and Plasma Medical Sciences, 2020, 4, 269-282.	2.7	5
16	3D Diamond Tracking Detectors: numerical analysis for Timing applications with TCAD tools. Journal of Instrumentation, 2020, 15, C01048-C01048.	0.5	4
17	Diamond detector technology, status and perspectives. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 297-300.	0.7	9
18	Combined TCAD and Geant4 simulations of diamond detectors for timing applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 436-438.	0.7	3

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19	Results on radiation tolerance of diamond detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 924, 241-244.	0.7	8
20	PO-0898 Advanced Diamond Dosimeter for quality Assurance in Radiotherapy. Radiotherapy and Oncology, 2019, 133, S475-S476.	0.3	1
21	FOOT: a new experiment to measure nuclear fragmentation at intermediate energies. Perspectives in Science, 2019, 12, 100415.	0.6	6
22	Ion charge separation with new generation of nuclear emulsion films. Open Physics, 2019, 17, 233-240.	0.8	9
23	A study of the radiation tolerance of poly-crystalline and single-crystalline CVD diamond to 800 MeV and 24 GeV protons. Journal Physics D: Applied Physics, 2019, 52, 465103.	1.3	11
24	Direct detection of high intensity X-ray fluxes with silicon photomultipliers. Journal of Instrumentation, 2019, 14, P05016-P05016.	0.5	4
25	Response of silicon photomultipliers directly exposed to X-ray fluxes. , 2019, , .		0
26	Real-time wireless personal dosimeter for Interventional Radiology Procedures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 65-66.	0.7	3
27	Development and characterization of $\alpha^{13}\text{E}$ -TOF detector prototype for the FOOT experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 916, 116-124.	0.7	8
28	Diamond detectors for high energy physics experiments. Journal of Instrumentation, 2018, 13, C01029-C01029.	0.5	42
29	Investigation of 3D diamond detector dosimetric characteristics. Journal of Instrumentation, 2018, 13, P06006-P06006.	0.5	5
30	Use of a CMOS image sensor for beta-emitting radionuclide measurements. Journal of Instrumentation, 2018, 13, P07003-P07003.	0.5	7
31	Evaluation of a 3D diamond detector for medical radiation dosimetry. Journal of Instrumentation, 2017, 12, P01003-P01003.	0.5	7
32	A Wireless Personal Sensor Node for Real Time Dosimetry of Interventional Radiology Operators. Lecture Notes in Electrical Engineering, 2017, , 1-7.	0.3	1
33	Track finding mezzanine for Level-1 triggering in HL-LHC experiments. , 2017, , .		0
34	Trapping in proton irradiated p+n-n+silicon sensors at fluences anticipated at the HL-LHC outer tracker. Journal of Instrumentation, 2016, 11, P04023-P04023.	0.5	8
35	Use of CMOS imagers to measure high fluxes of charged particles. Journal of Instrumentation, 2016, 11, P03014-P03014.	0.5	6
36	Polycrystalline CVD diamond device level modeling for particle detection applications. Journal of Instrumentation, 2016, 11, C12043-C12043.	0.5	12

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37	Track finding based on Associative Memories for Level-1 triggering in HL-LHC experiments. , 2016, , .		1
38	Numerical Modelling of Polycrystalline Diamond device for Advanced Sensor Design. Materials Today: Proceedings, 2016, 3, S153-S158.	0.9	7
39	Design and implementation of an IT management system for a medical physics department (MPD) activity workflows. Physica Medica, 2016, 32, 86.	0.4	0
40	A pattern recognition mezzanine based on associative memory and FPGA technology for L1 track triggering at HL-LHC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 284-286.	0.7	1
41	Personnel real time dosimetry in interventional radiology. Physica Medica, 2016, 32, 1724-1730.	0.4	8
42	A Pattern Recognition Mezzanine based on Associative Memory and FPGA technology for Level 1 Track Triggers for the HL-LHC upgrade. Journal of Instrumentation, 2016, 11, C02063-C02063.	0.5	2
43	Diamond Particle Detectors for High Energy Physics. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1023-1028.	0.2	9
44	A 3D diamond detector for particle tracking. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 402-405.	0.7	9
45	Experimental Characterization of a Personal Wireless Sensor Network for the Medical X-Ray Dosimetry. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 2002-2011.	2.4	19
46	Experimental Characterization of a Wireless Personal Sensor Node for the Dosimetry During Interventional Radiology Procedures. IEEE Transactions on Instrumentation and Measurement, 2016, 65, 1070-1078.	2.4	12
47	3D monolithically stacked CMOS Active Pixel Sensors for particle position and direction measurements. Journal of Instrumentation, 2015, 10, C01001-C01001.	0.5	1
48	A pattern recognition mezzanine based on associative memory and FPGA technology for Level-1 track triggers for the HL-LHC upgrade. , 2015, , .		0
49	Impact of low-dose electron irradiation on n+p silicon strip sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 803, 100-112.	0.7	6
50	Measurements and TCAD simulations of bulk and surface radiation damage effects in silicon detectors. , 2015, , .		8
51	Polycrystalline diamond detectors with three-dimensional electrodes. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 796, 42-46.	0.7	11
52	First result on biased CMOS MAPs-on-diamond devices. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 796, 47-50.	0.7	2
53	A wireless personal sensor node for the Dosimetry of Interventional Radiology operators. , 2015, , .		1
54	Simulation and test of Silicon-on-Diamond sensors for particle detection. , 2015, , .		1

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55	Radiation hardness of three-dimensional polycrystalline diamond detectors. Applied Physics Letters, 2015, 106, .	1.5	37
56	Design and implementation of a wireless intelligent personal sensor node for the dosimetry of interventional radiology operators. , 2015, , .		2
57	A two-tier monolithically stacked CMOS Active Pixel Sensor to measure charged particle direction. Journal of Instrumentation, 2014, 9, C05038-C05038.	0.5	3
58	Characterization of Silicon-On-Diamond chip with ionizing radiation. Journal of Instrumentation, 2014, 9, C04019-C04019.	0.5	3
59	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	0.5	32
60	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	0.5	380
61	A portable dosimetric system based on a CMOS image sensor for radiation protection in Interventional Radiology. , 2014, , .		3
62	Performance of CMOS imager as sensing element for a Real-time Active Pixel Dosimeter for Interventional Radiology procedures. Journal of Instrumentation, 2014, 9, C01036-C01036.	0.5	12
63	A Dosimetric Device Based on CMOS Image Sensor for Interventional Radiology. Lecture Notes in Electrical Engineering, 2014, , 113-120.	0.3	0
64	Associative Memory for L1 Track Triggering in LHC Environment. IEEE Transactions on Nuclear Science, 2013, 60, 3627-3632.	1.2	8
65	Measurement of submicrometric intrinsic spatial resolution for active pixel sensors. Journal of Instrumentation, 2013, 8, P11007-P11007.	0.5	2
66	Electrical properties of laser-bonded Silicon-On-Diamond samples. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 730, 159-163.	0.7	3
67	Active pixel as dosimetric device for interventional radiology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 720, 26-30.	0.7	5
68	Electroweak measurements in electron-positron collisions at W-boson-pair energies at LEP. Physics Reports, 2013, 532, 119-244.	10.3	453
69	The calibration of a pixel sensor using both fluorescence and transmitted X-ray photons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 336-338.	0.7	0
70	Induction of Nuclear Reactions through Piezoelectrics and other Means. Key Engineering Materials, 2013, 543, 68-71.	0.4	2
71	Study of dosimetric observables to be used in Active Pixel Sensor based devices for Interventional Radiology applications. , 2013, , .		2
72	Use of a CMOS Image Sensor for an Active Personal Dosimeter in Interventional Radiology. IEEE Transactions on Instrumentation and Measurement, 2013, 62, 1065-1072.	2.4	29

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73	Analysis of the performance of CMOS APS imagers after proton damage. Journal of Instrumentation, 2013, 8, C02002-C02002.	0.5	1
74	Vertically integrated CMOS active pixel sensors for tracking applications in HEP experiments. , 2012, , .		1
75	An active pixel sensor based system for real time dosimeter in interventional radiology. , 2012, , .		1
76	An active pixel sensor to detect diffused X-ray during Interventional Radiology procedure. Journal of Instrumentation, 2012, 7, P04004-P04004.	0.5	0
77	Full Geant4 and FLUKA simulations of an e-LINAC for its use in particle detectors performance tests. Journal of Instrumentation, 2012, 7, P03013-P03013.	0.5	3
78	3D monolithically stacked CMOS active pixel sensor detectors for particle tracking applications. Journal of Instrumentation, 2012, 7, C08008-C08008.	0.5	5
79	Use of associative memories for L1 triggering in LHC environment. Journal of Instrumentation, 2012, 7, C08009-C08009.	0.5	5
80	Measurement of charge collection efficiency profiles of CMOS active pixel sensors. Journal of Instrumentation, 2012, 7, P09011-P09011.	0.5	7
81	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
82	Associative Memory for L1 track triggering in LHC environment. , 2012, , .		1
83	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
84	Full Geant4 and FLUKA simulations of an e-LINAC for its use in particle detectors performance tests. , 2011, , .		2
85	A combined approach to the simulation of ionizing radiation effects in silicon devices. Journal of Instrumentation, 2011, 6, T05001-T05001.	0.5	7
86	Upsilon production cross section in collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2011, 83, 052001.	1.6	88
87	Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201801.	2.9	54
88	A grazing angle technique to measure the charge collection efficiency for CMOS active pixel sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 230-234.	0.7	18
89	Continuous measurement of radiation damage of standard CMOS imagers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 658, 137-140.	0.7	3
90	A real time active pixel dosimeter for interventional radiology. Radiation Measurements, 2011, 46, 1271-1276.	0.7	15

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91	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
92	Test of the \tilde{L} -model of Bose-Einstein correlations and reconstruction of the source function in hadronic Z-boson decay at LEP. European Physical Journal C, 2011, 71, 1.	1.4	20
93	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36,$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	106
94	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	122
95	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
96	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
97	Measurement of \overline{B} angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
98	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	30
99	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
100	Generalized event shape and energy flow studies in $e+e$ annihilation at $\sqrt{s} = 91.2 - 208.0$ GeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	1
101	Development of a Laser Driver test setup for SLHC experiments. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 218-221.	0.5	1
102	Use of a standard CMOS imager as position detector for charged particles. Nuclear Physics, Section B, Proceedings Supplements, 2011, 215, 228-231.	0.5	11
103	Beam test results for the RAPS03 non-epitaxial CMOS active pixel sensor. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 628, 230-233.	0.7	4
104	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	1.5	90
105	Search for microscopic black hole signatures at the Large Hadron Collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 434-453.	1.5	65
106	Search for a heavy gauge boson Z' . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 454-458.	1.5	26
107	Search for supersymmetry in pp collisions at 7 TeV in events with jets and missing transverse energy. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 698, 196-218.	1.5	171
108	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	1.5	38

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109	Energy loss measurement for charged particles in very thin silicon layers. Journal of Instrumentation, 2011, 6, P06013-P06013.	0.5	56
110	Measurement of the Isolated Prompt Photon Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. Journal of Instrumentation, 2011, 6, P06013-P06013.	2.9	62
111	Search for Pair Production of Second-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 201802.	2.9	80
112	Search for Stopped Gluinos in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 201801.	2.9	17
113	Search for Stopped Gluinos in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 201801.	2.9	21
114	Search for Dijet Resonances in 7 TeV Collisions at CMS [Phys. Rev. Lett.105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	2.9	9
115	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 011801.	2.9	60
116	Search for Stopped Gluinos in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 011801.	2.9	41
117	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	0.5	59
118	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	0.5	34
119	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
120	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
121	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
122	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
123	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
124	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
125	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	0.5	25
126	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

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127	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	0.5	19
128	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	0.5	25
129	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	0.5	59
130	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
131	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	0.5	18
132	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	0.5	5
133	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	0.5	36
134	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	0.5	23
135	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
136	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	0.5	52
137	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	0.5	19
138	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	0.5	35
139	Characterization of standard CMOS pixel imagers as ionizing radiation detectors. Journal of Instrumentation, 2010, 5, P07003-P07003.	0.5	27
140	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. European Physical Journal C, 2010, 70, 555-572.	1.4	50
141	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
142	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. Journal of High Energy Physics, 2010, 2010, 1.	1.6	230
143	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
144	Measurement of the charge ratio of atmospheric muons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 692, 83-104.	1.5	38

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145	Characterization of CMOS Active Pixel Sensors for particle detection: Beam test of the four-sensors RAPS03 stacked system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 573-575.	0.7	12
146	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	0.5	57
147	Search for Dijet Compositeness with the Dijet Centrality Ratio in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2010, 105, 032001.	2.9	41
148	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s}=2.36$ TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
149	Search for Dijet Resonances in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2010, 105, 032001.	2.9	400
150	Search for Dijet Resonances in pp Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
151	Stand-alone cosmic muon reconstruction before installation of the CMS silicon strip tracker. Journal of Instrumentation, 2009, 4, P05004-P05004.	0.5	14
152	Tilted CMOS active pixel sensors for particle track reconstruction. , 2009, , .		1
153	The CMS Collaboration. Nuclear Physics A, 2009, 830, 946c-956c.	0.6	0
154	Analysis of 3D stacked fully functional CMOS Active Pixel Sensor detectors. Journal of Instrumentation, 2009, 4, P04009-P04009.	0.5	6
155	Performance studies of the CMS Strip Tracker before installation. Journal of Instrumentation, 2009, 4, P06009-P06009.	0.5	5
156	Alignment of the CMS silicon strip tracker during stand-alone commissioning. Journal of Instrumentation, 2009, 4, T07001-T07001.	0.5	7
157	CRAB: the CMS distributed analysis tool development and design. Nuclear Physics, Section B, Proceedings Supplements, 2008, 177-178, 267-268.	0.5	10
158	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
159	CMOS Active Pixel Sensors for soft X-rays detection applications. , 2008, , .		3
160	Use of Standard CMOS Pixel Imagers as Ionizing Radiation Detectors. , 2008, , .		11
161	A proposal to dynamically manage virtual environments in heterogeneous batch systems. , 2008, , .		2
162	The CMS tracker operation and performance at the Magnet Test and Cosmic Challenge. Journal of Instrumentation, 2008, 3, P07006-P07006.	0.5	8

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163	Detectors with reconfigurable read-out electronics in a 0.18 μm CMOS bulk technology. , 2007, , .		1
164	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	1.4	683
165	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
166	CMOS APS sensor characterization with infrared, visible and ultraviolet laser sources. , 2007, , .		2
167	Study of resonance formation in the mass region 1400 $\hat{\sim}$ 1500MeV through the reaction $\hat{\pi}^3\hat{\pi}^+\text{K}^0\text{K}^{\pm}\text{E}^{\mu\text{p}}$. Journal of High Energy Physics, 2007, 2007, 018-018.	1.6	21
168	First level trigger using pixel detector for the CMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 266-270.	0.7	3
169	First performance studies of a pixel-based trigger in the CMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 570, 271-275.	0.7	1
170	Test of a MAPS realized in standard non-epitaxial CMOS technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 335-338.	0.7	10
171	Study of inclusive strange-baryon production and search for pentaquarks in two-photon collisions at LEP. European Physical Journal C, 2007, 49, 395-410.	1.4	6
172	Characterization of Active Pixel Sensors fabricated in CMOS 0.18 $\hat{\mu}$ m technology. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 871-875.	0.7	4
173	A laser test system for characterizing CMOS active pixel sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 144-147.	0.7	6
174	Ultrarelativistic sources in nonlinear electrodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 636, 142-146.	1.5	1
175	http://www.elsevier.com/xml/xocs/dtd http://www.w3.org/2001/XMLSchema http://www.w3.org/2001/XMLSchema-instance http://www.elsevier.com/xml/ja/dtd http://www.elsevier.com/xml/ja/dtd http://www.w3.org/1998/Math/MathML http://www.elsevier.com/xml/common/table/dtd http://www.elsevier.com/xml/common/struct-bib/dtd http://www.elsevier.com/x	1.5	3
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