Vladimir Korenkov

List of Publications by Year
in descending order

187	13,836	76326	20358
papers	citations	40 h-index	116 g-index

189	189	189	9963
all docs	docs citations	times ranked	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.	4.1	6,177
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	1.2	2,192
3	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	3.6	683
4	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	1.2	241
5	Measurement of the differential cross section for top quark pair production in pp collisions at $$sqrt{s} = 8,ext {TeV} $$ s = 8 TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
6	Search for invisible decays of Higgs bosons in the vector boson fusion and associated ZH production modes. European Physical Journal C, 2014, 74, 2980.	3.9	171
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.	3.6	136
8	Steering of charged particle trajectories by a bent crystal. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 88, 387-391.	4.1	121
9	Measurement of jet fragmentation in PbPb and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:ma at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mi mathvariant="italic">NN</mml:mi></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>2.76</mml:mn></mml:mrow></mm	2.9	113
10	Search for the Standard Model Higgs Boson in the Decay Channel<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>H</mml:mi><mml:mo>â†’</mml:mo><mml:mi>Z</mml:mi><mml:mi>Z</mml:mi><mml:mo>â†’</mml:mo><r	7.8	97
11	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi></mml:mrow></mml:math>Boson Production Cross Sections in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>Collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML">	7.8	94
12	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85
13	Measurement of the differential cross section and charge asymmetry for inclusive $$mathrm {p}mathrm {p}ightarrow mathrm {W}^{pm }+X$$ p p â†’ W Â± + X production at $${sqrt{s}} = 8$$ s = 8 TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
14	Measurement of prompt and nonprompt charmonium suppression in $$ext {PbPb}$$ collisions at 5.02$$,ext {Te}ext {V}$$. European Physical Journal C, 2018, 78, 509.	3.9	83
15	Search for long-lived charged particles in proton-proton collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><m Search for anomalous production of events with three or more leptons in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mm	4.7	73
16	Physical Review D, 2014, 90, .	4.7	70
17	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $$sqrt{s}=7,ext {TeV} $$ s = 7 TeV. European Physical Journal C, 2014, 74, 3129.	3.9	65
18	Measurement of prompt J/ï pair production in pp collisions at s $$ sqrt{s} $$ = 7 Tev. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61

#	Article	IF	Citations
19	display="inline"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>Ï^</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï^</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mi>S</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	7.8	60
20	Performance and operation of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03010-T03010.	1.2	59
21	Alignment of the CMS silicon tracker during commissioning with cosmic rays. Journal of Instrumentation, 2010, 5, T03009-T03009.	1.2	59
22	Measurement of inclusive jet cross sections in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:ma and PbPb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mtext mathvariant="italic">NN</mml:mtext></mml:msub></mml:msqrt><mml:mo>=</mml:mo><mml:mn>2.76</mml:mn></mml:mrow></mm TeV. Physical Review C, 2017, 96, .	2.9	59
23	Measurement of the weak mixing angle using the forwardâ€“backward asymmetry of Drellâ€“Yan events in $$mathrm {p}mathrm {p}$$ p p collisions at 8 $$,ext {TeV}$$ TeV. European Physical Journal C, 2018, 78, 701.	3.9	58
24	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. Journal of Instrumentation, 2010, 5, T03014-T03014.	1.2	57
25	Angular coefficients of Z bosons produced in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>8</mml:mn><mml:mtext>Â</m and decaying to <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:mrow><mml:msup><mml:mi>l</mml:mi><mml:mo>+</mml:mo></mml:mrow></	4.1	57
26	Differential cross section measurements for the production of a W boson in association with jets in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext> TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-225.	4.1	57
27	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>k</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">T</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:math>algorithm with radius parameters<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"	4.7	56
28	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at s = 8 $$ sqrt{s}=8 $$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	54
29	Performance of CMS muon reconstruction in cosmic-ray events. Journal of Instrumentation, 2010, 5, T03022-T03022.	1.2	52
30	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mi mathvariant="normal">pp</mml:mi></mml:mrow><mml:mo stretchy="false">â†’</mml:mo><mml:mrow><mml:mi mathvariant="normal">ZZ</mml:mi></mml:mrow></mml:math> production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt>	4.1	52
31	Measurement of differential cross sections for top quark pair production using the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mtext>lepton</mml:mtext><mml:mo>+</mml:mo><mml:mrow><mml:mtext>jets</mml:mtext></	4.7	50
32	Measurement of Prompt<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Ï</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mi>S</mml:mi><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 Td (stre	7.8	47
33	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi>Ï^</mml:mi></mml:math>Yield Ratios in Pb-Pb and<mml:math xmlns: Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8ÂTeV. Physical Review D, 2016, 94, .	4.7	47
34	Search for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>X</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>5568</mml:mn><mml:mo) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 142 Td (stretchy="false">)</m	7.8	47
35	xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>B</mml:mi></mml:mrow><mml:mrow><mml:mi>s</mml:mi></mml:mrow> display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mi>p</mml:mi></mml:mrow></mml:math>collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" Measurements of jet multiplicity and differential production cross sections of <mml:math	4.7	46
36	xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Z</mml:mi><mml:mo>+</mml:mo><mml:mi>jets</mml:mi></mml:mrow></mml:math>events in proton-proton collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow /><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>7</mml:mn><mml:mtext>â€‰</mml:mtext><mml:mtext>â€	4.7	46

#	Article	IF	Citations
37	Search for microscopic black holes in pp collisions at $ sqrt{s}=8 $ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
38	Search for standard model production of four top quarks with same-sign and multilepton final states in protonâ€“proton collisions at $$sqrt{s} = 13,ext {TeV} $$ s = 13 TeV. European Physical Journal C, 2018, 78, 140.	3.9	44
39	Measurement of top quarkâ€“antiquark pair production in association with a W or Z boson in pp collisions at $$sqrt{s} = 8$$ s = 8 $$,ext {TeV}$$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
40	Measurement of the $$mathrm{t}overline{mathrm{t}} $$ t t Â¯ production cross section using events in the $$mathrm {e}mu $$ e Î¼ final state in pp collisions at $$sqrt{s}=13,ext {TeV} $$ s = 13 TeV. European Physical Journal C, 2017, 77, 172.	3.9	40
41	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $$sqrt{s} = 13,ext {Te}ext {V} $$. European Physical Journal C, 2021, 81, 378.	3.9	40
42	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at s $$ sqrt{s} $$ = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
43	Measurement of differential cross sections for $${ext {Z}}$$ Z boson production in association with jets in proton-proton collisions at $$sqrt{s} = 13,ext {TeV} $$ s = 13 TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
44	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37
45	Measurement of the WZ production cross section in pp collisions at $$sqrt{s} = 7$$ s = 7 and 8 $$,ext{TeV}$$ TeV and search for anomalous triple gauge couplings at $$sqrt{s} = 8,ext{TeV} $$ s = 8 TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
46	Search for heavy Higgs bosons decaying to a top quark pair in proton-proton collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	37
47	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
48	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
49	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35
50	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at s = 7 $$ sqrt{s}=7 $$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	35
51	Measurement of the cross section for top quark pair production in association with a W or Z boson in proton-proton collisions at $$ sqrt{s}=13 $$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	35
52	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	1.2	34
53	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at s = 7 $$ sqrt{s}=7 $$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1. display="inline"><mml:mrow><mml:mi>W</mml:mi><mml:mi>W</mml:mi><mml:mi>Î³</mml:mi></mml:mrow></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>W</mml:mi><mml:mi>Z</mml:mi><mml:mi>Î³</mml:mi></mml:mrow></mml:math>production and constraints on anomalous quartic gauge couplings in<mml:math	4.7	34
54	Measurement of the cross section for electroweak production of Zî³ in association with two jets and constraints on anomalous quartic gauge couplings in protonâ€“proton collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>8</mml:mn><mml:mtext>ÂTeV</ Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 380-402.	4.1	34

#	Article	IF	Citations
55	Measurement of quarkonium production cross sections in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn> width="0.25em" /><mml:mtext>TeV</mml:mtext></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 251-272.	4.1	34
56	Measurement of the top quark mass with lepton+jets final states using $$mathrm {p}$$$mathrm {p}$$ collisions at $$sqrt{s}=13,ext {TeV} $$. European Physical Journal C, 2018, 78, 891.	3.9	34
57	Measurement of exclusive $${{{uprho _{}^{}} _{}^{}}{{left({770}ight) }{}_{}^{}}}^{0}$$Âphotoproduction in ultraperipheral pPb collisions at $$sqrt{smash [b]{s_{_{mathrm {NN}}}}} = 5.02,ext {Te}ext {V} $$. European Physical Journal C, 2019, 79, 702.	3.9	33
58	Measurements of the $$mathrm{Z}$$ Z $$mathrm{Z}$$ Z production cross sections in the $$2mathrm{l} 2u $$ 2 l 2 Î½ channel in protonâ€“proton collisions at $$sqrt{s} = 7$$ s = 7 and $$8~. European Physical Journal C, 2015, 75, 511.	3.9	32
59	Measurements of the associated production of a Z boson and b jets in pp collisions at $${sqrt{s}} = 8,ext {TeV} $$ s = 8 TeV. European Physical Journal C, 2017, 77, 751.	3.9	30
60	Study of Z production in PbPb and pp collisions at s N N = 2.76 $$ sqrt{s_{mathrm{NN}}}=2.76 $$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
61	Search for new neutral Higgs bosons through the $$ mathrm{H}o mathrm{ZA}o {ell}^{+}{ell}^{-}mathrm{b}overline{mathrm{b}} $$ process in pp collisions at $$ sqrt{s} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	27
62	Search for Wâ€² â† tb decays in the lepton + jets final state in pp collisions at $ sqrt{s} $ = 8 TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	26
63	Search for a charged Higgs boson decaying into top and bottom quarks in events with electrons or muons in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	26
64	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	1.2	25
65	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	1.2	25
66	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	1.2	25
67	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	1.2	24
68	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. Journal of Instrumentation, 2010, 5, T03002-T03002.	1.2	24
69	Measurement of the integrated and differentialttÂ¯production cross sections for high-pTtop quarks inppcollisions ats=8â€‰â€‰TeV. Physical Review D, 2016, 94.	4.7	24
70	Measurements of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="normal">t</mml:mi><mml:mover accent="true"><mml:mrow><mml:mi mathvariant="normal">t</mml:mi></mml:mrow><mml:mo>â€¾</mml:mo></mml:mover></mml:math> charge asymmetry using dilepton final states in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt>	4.1	24
71	Measurement of the differential inclusive B+ hadron cross sections in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>13</mml:mn><mml:mtext>ÂTe Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	4.1	24
72	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. Journal of Instrumentation, 2010, 5, T03020-T03020.	1.2	23

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73	Measurement of WZ and ZZ production in pp collisions at $$sqrt{s} = 8,ext {TeV} $$ s = 8 TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
74	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><m Physical Review Letters, 2018, 121, 062002.	7.8	22
75	Search for direct pair production of supersymmetric partners to the $${uptau }_{}^{}$$ lepton in protonâ€“proton collisions at $$sqrt{s}=13,ext {TeV} $$. European Physical Journal C, 2020, 80, 189.	3.9	22
76	Search for supersymmetry in events with a Ï„ lepton pair and missing transverse momentum in proton-proton collisions at $$ sqrt{s}=13 $$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	21
77	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	1.2	20
78	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	1.2	20
79	Measurement of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="normal">t</mml:mi><mml:mover accent="true"><mml:mi mathvariant="normal">t</mml:mi><mml:mo>Â¯</mml:mo></mml:mover></mml:math> production cross section in pp collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll"><mml:msqrt><mml:mi>s</mml:mi></mml:msqrt><mml:mo>=</mml:mo><mml:mn>8</mml:mn><mml:mtext>	4.1	20
80	Measurements of the $ mathrm{t}overline{mathrm{t}} $ charge asymmetry using the dilepton decay channel in pp collisions at $ sqrt{s} $ = 7 TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20
81	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
82	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	1.2	19
83	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	1.2	19
84	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	1.2	19
85	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in protonâ€“proton collisions at $$sqrt{s} = 13,{ext {TeV}} $$. European Physical Journal C, 2021, 81, 723.	3.9	19
86	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	1.2	18
87	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at s N N = 2.76 $$ sqrt{s_{mathrm{N};mathrm{N}}}=2.76 $$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	18
88	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $$sqrt{s} = 13,ext {TeV} $$ s = 13 TeV. European Physical Journal C, 2019, 79, 20.	3.9	18
89	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $$ sqrt{mathrm{s}} $$ = 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
90	Combined searches for the production of supersymmetric top quark partners in protonâ€“proton collisions at $$sqrt{s} = 13,ext {Te}ext {V} $$. European Physical Journal C, 2021, 81, 970.	3.9	18

#	Article	IF	Citations
91	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. Journal of Instrumentation, 2010, 5, T03016-T03016.	1.2	17
92	Search for large extra dimensions in dimuon and dielectron events in pp collisions at <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd"	4.1	17
93	Measurement of electroweak-induced production of WÎ³ with two jets in pp collisions at s = 8 $$ sqrt{s}=8 $$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	4.7	17
94	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at s = 8 $$ sqrt{s}=8 $$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
95	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $$ sqrt{s}=13 $$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
96	Measurement of charged particle spectra in minimum-bias events from protonâ€“proton collisions at $$sqrt{s}=13,ext {TeV} $$ s = 13 TeV. European Physical Journal C, 2018, 78, 697.	3.9	17
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