

Michael G Tytgat

List of Publications by Year in descending order

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Version: 2024-02-01

1,197
papers

62,102
citations

1606

105
h-index

2812

191
g-index

1218
all docs

1218
docs citations

1218
times ranked

13748
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	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
4	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	1.5	520
5	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
6	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
7	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7, 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	1.5	455
8	Single-Spin Asymmetries in Semi-Inclusive Deep-Inelastic Scattering on a Transversely Polarized Hydrogen Target. Physical Review Letters, 2005, 94, 012002.	2.9	466
9	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Transverse Momentum and Pseudorapidity Distributions of Charged Hadrons in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 022002.	1.1	455
10	Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 022002.	2.9	400
11	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	369
12	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
13	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	1.5	354
14	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
15	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
16	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
17	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
18	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	0.5	307

#	ARTICLE	IF	CITATIONS
19	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	1.6	299
20	Precise determination of the spin structure function g_1 of the proton, deuteron, and neutron. Physical Review D, 2007, 75, .	1.6	289
21	Measurement of the $\langle \mathcal{B}(B \rightarrow S) \rangle_0$ and $\langle \mathcal{B}(B \rightarrow S) \rangle_{1/4}$ Branching Fraction and Search for $\langle \mathcal{B}(B \rightarrow S) \rangle_{1/4}$ review Letters, http://www.w3.org/1998/Math/MathML	2.9	282
22	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to Z Boson Pairs. Physical Review Letters, 2013, 110, 081803.	2.9	270
23	The HERMES Spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 417, 230-265.	0.7	269
24	Measurement of the neutron spin structure function g_1 with a polarized ^3He internal target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 404, 383-389.	1.5	260
25	Observation of the Naive- T -Odd Sivers Effect in Deep-Inelastic Scattering. Physical Review Letters, 2009, 103, 152002.	2.9	260
26	Evidence for a Single-Spin Azimuthal Asymmetry in Semi-inclusive Pion Electroproduction. Physical Review Letters, 2000, 84, 4047-4051.	2.9	256
27	Measurement of the Beam-Spin Azimuthal Asymmetry Associated with Deeply-Virtual Compton Scattering. Physical Review Letters, 2001, 87, .	2.9	253
28	Evidence for collectivity in pp collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 765, 193-220.	1.5	243
29	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at $8\hat{\text{A}}\text{TeV}$. European Physical Journal C, 2014, 74, 3036.	1.4	241
30	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	0.5	241
31	Evidence for a narrow $ S =1$ baryon state at a mass of $1528\hat{\text{A}}\text{MeV}$ in quasi-real photoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 585, 213-222.	1.5	232
32	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
33	Observation of Sequential $\hat{\Psi}$ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	2.9	220
34	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
35	Jet energy scale and resolution in the CMS experiment in pp collisions at 8 TeV. Journal of Instrumentation, 2017, 12, P02014-P02014.	0.5	216
36	Quark helicity distributions in the nucleon for up, down, and strange quarks from semi-inclusive deep-inelastic scattering. Physical Review D, 2005, 71, .	1.6	210

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37	Observation of $t\bar{t}$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 120, 231801.	2.9	209
38	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
39	Suppression of non-prompt J/ψ , prompt J/ψ , and $\Upsilon(1S)$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	200
40	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
41	Measurement of the proton spin structure function g_1^p with a pure hydrogen target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 484-492.	1.5	195
42	Search for lepton-flavour-violating decays of the Higgs boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 337-362.	1.5	193
43	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	1.4	191
44	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	1.1	185
45	Constraints on the spin-parity and anomalous couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	1.6	185
46	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	181
47	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	0.5	180
48	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
49	Evidence for Collective Multiparticle Correlations in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	2.9	177
50	Flavor Asymmetry of the Light Quark Sea from Semi-inclusive Deep-Inelastic Scattering. Physical Review Letters, 1998, 81, 5519-5523.	2.9	176
51			

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55	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	168
56	Search for resonances and quantum black holes using dijet mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 91, .	1.6	167
57	Effects of transversity in deep-inelastic scattering by polarized protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 11-16.	1.5	165
58	Jet momentum dependence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 712, 176-197.	1.5	161
59	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	1.6	161
60	Search for Heavy Neutral Leptons in Events with Three Charged Leptons in Proton-Proton Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2018, 120, 221801.	2.9	160
61	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	1.6	158
62	Study of the inclusive production of charged pions, kaons, and protons in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	154
63	Indications of Suppression of Excited Λ States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	2.9	153
64	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	1.5	148
65	Single-spin azimuthal asymmetries in electroproduction of neutral pions in semi-inclusive deep-inelastic scattering. Physical Review D, 2001, 64, .	1.6	147
66	Search for supersymmetry in hadronic final states with missing transverse energy using the variables \hat{t} and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
67	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	1.6	146
68	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	1.5	144
69	Flavor decomposition of the polarized quark distributions in the nucleon from inclusive and semi-inclusive deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 464, 123-134.	1.5	143
70	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and Pb collisions. Physical Review C, 2015, 92, .	1.1	140
71	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
72	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pp Collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Physical Review Letters, 2016, 116, 172302.	2.9	139

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73	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
74	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.33	133
75	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	1.5	130
76	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
77	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	1.5	129
78	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV pp Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
79	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126
80	Measurement of the Inclusive Jet Cross Section in $\sqrt{s} = 7$ TeV pp Collisions at CMS. Physical Review Letters, 2011, 107, 132001.	2.9	125
81	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	125
82	Observation of the Higgs boson decay to a pair of τ , leptons with the CMS detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 283-316.	1.5	125
83	Measurement of the Spin Asymmetry in the Photoproduction of Pairs of High-pT Hadrons at HERMES. Physical Review Letters, 2000, 84, 2584-2588.	2.9	124
84	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	123
85	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 13.6$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
86	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
87	Measurement of isolated-photon production in pp and PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	1.5	122
88	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 494-519.	1.5	120
89	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
90	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 68-90.	1.5	120

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91	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	1.5	118
92	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	2.9	118
93	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	118
94	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	117
95	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 072001.	1.6	115
96	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 116, 071801.	2.9	114
97	Observation of a peaking structure in the χ_{c1} mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2016, 116, 071801.	1.1	113
98	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	112
99	Measurement of the rapidity and transverse momentum distributions of χ_{c1} bosons in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 113, 072001.	1.5	110
100	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	108
101	Multiplicities of charged pions and kaons from semi-inclusive deep-inelastic scattering by the proton and the deuteron. Physical Review D, 2013, 87, 034011.	1.6	108
102	Observation of the Associated Production of a Single Top Quark and a W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 161801.	2.9	108
103	Azimuthal Anisotropy of Charged Particles in High-Multiplicity Proton-Proton Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2014, 113, 072001.	2.9	107
104	Observation of Charge-Dependent Azimuthal Correlations in pp Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 118, 122301.	2.9	107
105	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
106	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	103
107	Measurement of parton distributions of strange quarks in the nucleon from charged-kaon production in deep-inelastic scattering on the deuteron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 446-450.	1.5	102
108	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2019, 122, 121803.	2.9	102

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109	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	101
110	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	1.6	101
111	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	100
112	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
113	Measurement of the prompt J/ψ production and $\tilde{\Gamma}$ and $\tilde{\Gamma}$ in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.		

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127	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	92
128	Measurement of single-spin azimuthal asymmetries in semi-inclusive electroproduction of pions and kaons on a longitudinally polarised deuterium target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 562, 182-192.	1.5	90
129	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 424-443.	1.5	90
130	Searches for new physics using the invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2013, 111, 211804.	2.9	90
131	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 301-304.	1.6	90
132	Search for dilepton resonances in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on dark matter and other models. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 305-308.	1.5	90
133	Measurement of the cross section for the production of a Higgs boson in association with a photon in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 309-312.	1.5	89
134	Measurement of the cross section for the production of a Higgs boson in association with a photon in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 313-316.	1.6	88
135	Measurement of the cross section for the production of a Higgs boson in association with a photon in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 317-320.	1.5	88
136	Measurement of the cross section for the production of a Higgs boson in association with a photon in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 321-324.	1.5	88
137	Measurement of the cross section for the production of a Higgs boson in association with a photon in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	1.5	88
138	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	1.4	88
139	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	1.5	87
140	Angular analysis of the decay $B \rightarrow K^* \mu^+ \mu^-$ from pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 424-448.	1.5	87
141	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	1.5	87
142	Evidence for light-by-light scattering and searches for axion-like particles in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	1.5	87
143	Search for resonant pair production of Higgs bosons decaying to two bottom quark-antiquark pairs in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 560-582.	2.9	86
144	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86

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145	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
146	Evidence of b -jet Quenching in PbPb Collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85
147	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
148	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
149	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
150	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
151	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
152	Study of W boson production in PbPb and pp collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 340, 277.	1.6	83
153	Measurement of the differential cross section and charge asymmetry for inclusive $W^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
154	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s_{\text{NN}}} = 5.02$ TeV collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
155	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
156	Measurement of the J/ψ production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	2.9	82
157	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
158	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
159	J/ψ and $\Upsilon(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
160	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	81
161	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81

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163	Search for a charged Higgs boson in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
164	Measurement of angular parameters from the decay $B \rightarrow \pi \ell^+ \ell^-$ in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 517-541.	2.9	80
165	Production Cross Section in $pp \rightarrow B^0 \ell^+ \ell^-$ Collisions at $\sqrt{s} = 8 \text{ TeV}$. Study of Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Physical Review Letters, 2011, 106, 212301.	2.9	80
166	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	2.9	80
167	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	1.5	79
168	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
169	Search for new physics in final states with an energetic jet or a hadronically decaying W or Z boson and transverse momentum imbalance at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 2019-2020.	1.6	78
170	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 2019-2020.	1.4	78
171	Determination of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
172	Long-range two-particle correlations of strange hadrons with charged particles in pPb and PbPb collisions at LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 200-224.	1.5	77
173	Measurement of nuclear modification factors of $T(1S)$, $T(2S)$, and $T(3S)$ mesons in PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Inclusive and differential measurements of the W and Z boson production cross section in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Search for Top-Quark Partners with Charge Parity and Spin. Physical Review Letters, 2014, 112, 171801.	1.5	76
174	Search for Top-Quark Partners with Charge Parity and Spin. Physical Review Letters, 2014, 112, 171801.	2.9	76
175	Study of exclusive two-photon production of W^+W^- in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
176	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02 \text{ TeV}$. Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2011, 106, 231801.	1.4	75
177	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2011, 106, 231801.	2.9	74
178	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2011, 106, 231801.	2.9	74
179	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 8 \text{ TeV}$. Physical Review Letters, 2011, 106, 231801.	2.9	74

#	ARTICLE	IF	CITATIONS
181	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s} = 8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
182	Search for Narrow Resonances in Dijet Final States at the Novel CMS Technique of Data Scouting. Physical Review Letters, 2016, 117, 031802.	2.9	74
183	Search for W^+W^- production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 357-379.	2.76	74
184	Measurement of the $X(3872)$ production cross section via decays to $J/\psi \bar{\nu} + \bar{\nu} \psi'$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
185	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2015, 91, 112004.	1.6	73
186	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
187	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 94, 012004.	1.6	73
188	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
189	Search for additional neutral MSSM Higgs bosons in the \bar{b}, \bar{b} , final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
190	Search for vectorlike charge $\frac{2}{3}$ quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 021801.	1.6	73

#	ARTICLE	IF	CITATIONS
199	Searches for physics beyond the standard model with the T_2 variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
200	The HERMES polarized hydrogen and deuterium gas target in the HERA electron storage ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 540, 68-101.	0.7	69
201	Measurement of the Tensor Structure Function of the Deuteron. Physical Review Letters, 2005, 95, 242001.	2.9	69
202	Measurement of the $\sigma(\text{pp} \rightarrow \text{Z} \gamma)$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	69
203	Searches for electroweak neutral and charged production channels with Higgs bosons and W bosons in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2014, 89, 112005.	1.6	69
204	Search for massive resonances decaying into pairs of boosted bosons in semi-leptonic final states at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
205	Search for high-mass diphoton resonances in proton-proton collisions at 13 TeV and combination with 8 TeV search. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 147-170.	1.5	69
206	Performance of reconstruction and identification of $\tilde{l}, \tilde{\nu}_l$ leptons decaying to hadrons and $\tilde{l} \rightarrow s$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of Instrumentation, 2018, 13, P10005-P10005.	0.5	69
207	Measurements of the Higgs boson width and anomalous HVV couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, 112005.	1.6	69
208	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
209	Search for a standard-model-like Higgs boson with a mass in the range 145 to 1000 GeV at the LHC. European Physical Journal C, 2013, 73, 2469.	1.4	68
210	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	68
211	Search for heavy Majorana neutrinos in $pp \rightarrow \tilde{l} + \text{jets}$ events in proton-proton collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	1.5	67
212	Measurement of the inclusive 3-jet production differential cross section in proton-proton collisions at 7 TeV and determination of the strong coupling constant in the TeV range. European Physical Journal C, 2015, 75, 186.	1.4	68
213	Measurement of the $\sigma(\text{pp} \rightarrow t \bar{t})$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2019, 79, 368.	1.4	68
214	Search for a standard model-like Higgs boson in the $pp \rightarrow \tilde{l} + e$ channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	1.5	67
215	Nuclear effects on $R_{fL/fT}$ in deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 475, 386-394.	1.5	65
216	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2011, 84, .	1.6	65

#	ARTICLE	IF	CITATIONS
217	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}}$ = 2.76 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	65
218	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
219	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	2.9	65
220	Observation of a New Λ_b^0 Baryon. Physical Review Letters, 2012, 108, 252002.	2.9	65
221	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
222	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2283.	1.4	64
223	Search for Flavor-Changing Neutral Currents in Top-Quark Decays. Physical Review Letters, 2012, 108, 111801.	2.9	64
224	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
225	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in pp and PbPb collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, 054907.	1.1	64
226	First Determination of Generalized Polarizabilities of the Proton by a Virtual Compton Scattering Experiment. Physical Review Letters, 2000, 85, 708-711.	2.9	63
227	Search for narrow resonances in dilepton mass spectra in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 158-179.	2.9	63
228	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	2.9	63
229	Measurements of Z Boson Spin Correlations and Top-Quark Polarization Using Dilepton Final States in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 111801.	2.9	63
230	Search for pair-produced resonances decaying to jet pairs in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 98-119.	1.5	63
231	Measurement of the Z boson differential cross section in transverse momentum and rapidity in proton-proton collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 187-209.	1.5	63
232	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	63
233	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 501-532.	1.5	63
234	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	1.5	63

#	ARTICLE	IF	CITATIONS
235	Measurement of the Isolated Prompt Photon Production Cross Section in $pp \rightarrow \gamma + \text{hadrons}$ Collisions at $\sqrt{s} = 7 \text{ TeV}$ Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ Physical Review Letters, 2012, 109, 152303.	2.9	62
236	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	2.9	62
237	Measurement of the $W+W\bar{a}$ cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ and limits on anomalous $WW\bar{f}^3$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	1.4	62
238	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 13.	1.4	62
239	Measurement of the $B \rightarrow A \pm$ Meson Nuclear Modification Factor in Pb-Pb Collisions at $p_T \geq 1.5 \text{ GeV}$ Physical Review Letters, 2017, 119, 152301.	2.9	62
240	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $s = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
241	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	62
242	Observation of Two Excited Spin-1 Quarks $B_c \rightarrow B_c \gamma$ States and Measurement of the $B_c \rightarrow B_c \gamma$ stretchy="false"> $S \rightarrow T_i \text{ ETOq1.1 0.784314 r0BT /Overlock 10 Tf 50 402}$	2.9	62
243	Electron and photon reconstruction and identification with the CMS experiment at the CERN LHC. Journal of Instrumentation, 2021, 16, P05014.	0.5	62
244	Leading-order determination of the gluon polarization from high-p T hadron electroproduction. Journal of High Energy Physics, 2010, 2010, 1.	1.6	61
245	Measurement of the $B \rightarrow B^0$ Production Cross Section in $pp \rightarrow \gamma + \text{hadrons}$ Collisions at $\sqrt{s} = 7 \text{ TeV}$ Evidence for Associated Production of a Single Top Quark and W B boson in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$ Physical Review Letters, 2013, 110, 022003.	2.9	61
246	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	2.9	61
247	Search for pair production of third-generation scalar leptiquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ Search for resonant $B \rightarrow B^0$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$	2.9	61
248	Search for pair production of third-generation scalar leptiquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$ Search for resonant $B \rightarrow B^0$ production in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$	1.6	61
249	Search for supersymmetry in multijet events with missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2017, 96, .	1.6	61
250	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$ Physical Review Letters, 2020, 124, 131802.	2.9	61
251	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 7 \text{ TeV}$ Physical Review Letters, 2020, 124, 131802.	2.9	61

#	ARTICLE	IF	CITATIONS
253	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 102003.	2.9	60
254	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 1303.	1.4	60
255	Measurement of the ratio of the inclusive 3-jet cross section to the inclusive 2-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV and first determination of the strong coupling constant in the TeV range. <i>European Physical Journal C</i> , 2013, 73, 1303.	2.9	60
256	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	59
257	Search for a vectorlike Quark with Charge $\pm 2/3$ in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	2.9	59
258	A search for pair production of new light bosons decaying into muons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 752, 146-168.	1.5	59
259	Measurement of inclusive jet cross sections in pp and PbPb collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review C</i> , 2017, 96, 014907.	1.1	59
260	Search for anomalous t production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	58
261	Jet production rates in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	58
262	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	58
263	Interpretation of searches for supersymmetry with simplified models. <i>Physical Review D</i> , 2013, 88, 075011.	1.6	58
264	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2015, 75, 237.	1.4	58
265	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2018, 78, 701.	1.4	58
266			

#	ARTICLE	IF	CITATIONS
271	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
272	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
273	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
274	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	56
275	Exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^{\pm} \tilde{\chi}_1^{\mp} \tilde{\chi}_1^0$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	56
276	Measurement of the ratio of inclusive jet cross sections using the anti- k_T algorithm with radius parameters R and event activity dependence of Υ (nS) production in $\sqrt{s} = 5.02$ TeV pPb and $\sqrt{s} = 2.76$ TeV pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	56
277	Identification of heavy, energetic, hadronically decaying particles using machine-learning techniques. Journal of Instrumentation, 2020, 15, P06005-P06005.	0.5	56
279	Search for heavy long-lived charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 408-433.	1.6	56
280	Measurement of masses in the $\overline{\text{tt}}$ system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	1.4	55
281	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	55
282	Limits on the Higgs boson lifetime and width from its decay to four charged leptons. Physical Review D, 2015, 92, .	1.6	55
283	Measurement of the double-differential inclusive jet cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 451.	1.4	55
284	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.	1.6	55
285	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 106, 201804.	1.5	55
286	Search for gluino mediated bottom- and top-squark production in multijet final states in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 25-37.	2.9	54
287	Measurement of the $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ production in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.5	54
288	Search for narrow resonances in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 13$ TeV and combination with 8 TeV data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 57-80.		

#	ARTICLE	IF	CITATIONS
289	Azimuthal distributions of charged hadrons, pions, and kaons produced in deep-inelastic scattering off unpolarized protons and deuterons. Physical Review D, 2013, 87, .	1.6	54
290	Search for a pseudoscalar boson decaying into a Z boson and the 125 GeV Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 221-243.	1.5	54
291	Constraints on parton distribution functions and extraction of the strong coupling constant from the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 288.	1.4	54
292	Measurement and QCD analysis of double-differential inclusive jet cross sections in pp collisions at $\sqrt{s} = 8$ TeV and cross section ratios to 2.76 and 7 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	54
293	Search for Charged Higgs Bosons Produced via Vector Boson Fusion and Decaying into a Pair of W and Z Bosons Using pp Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 141802.	2.9	54
294	Search for charged Higgs bosons in the $H \rightarrow \tau^+ \tau^-$ decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
295	Search for supersymmetry in proton-proton collisions at 13 TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2019, 2019, 1.	1.6	54
296	Observation of a Coherence Length Effect in Exclusive π^0 Electroproduction. Physical Review Letters, 1999, 82, 3025-3029.	2.9	53
297	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	53
298	Search for New Physics with a Monojet and Missing Transverse Energy in pp Collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2011, 107, 201804.	2.9	53
299	Search for supersymmetry in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review Letters, 2011, 107, 201804.	2.9	53
300	Searches for a heavy scalar H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh , in the final states with $h \rightarrow \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 733, 328-353.	1.5	53
301	Searches for a heavy scalar H decaying to a pair of 125 GeV Higgs bosons hh or for a heavy pseudoscalar boson A decaying to Zh , in the final states with $h \rightarrow \tau^+ \tau^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 217-244.	1.5	53
302	Measurement of prompt and nonprompt $\psi(2S) \rightarrow \tau^+ \tau^-$ production in pp and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2017, 77, 269.	1.4	53
303	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	53
304	Beam-helicity and beam-charge asymmetries associated with deeply virtual Compton scattering on the unpolarised proton. Journal of High Energy Physics, 2012, 2012, 1.	1.6	52
305	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	52
306	Measurement of the $t\bar{t}$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	52

#	ARTICLE	IF	CITATIONS
307	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	1.4	52
308	Measurements of the $\sigma(\text{pp} \rightarrow \text{ZZ})$ production cross section and the $\text{BR}(\text{Z} \rightarrow 4\ell)$ branching fraction, and constraints on anomalous triple gauge couplings at. European Physical Journal C, 2018, 78, 165.	1.4	52
309	Beam-spin asymmetries in the azimuthal distribution of pion electroproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 648, 164-170.	1.5	51
310	Measurement of double-spin asymmetries associated with deeply virtual Compton scattering on a transversely polarized hydrogen target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 15-23.	1.5	51
311	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. Physical Review D, 2011, 84, .	1.6	51
312	Search for exclusive or semi-exclusive $\hat{\tau}\hat{\tau}^3$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	51
313	Searches for heavy Higgs bosons in two-Higgs-doublet models and $\hat{\tau}^+\hat{\tau}^-$ decay using multilepton and diphoton final states in pp collisions at 8 TeV . Physical Review D, 2014, 90, .	1.6	51
314	Search for the associated production of the Higgs boson with a top-quark pair. Journal of High Energy Physics, 2014, 2014, 1.	1.6	51
315	Cross sections for hard exclusive electroproduction of ρ^0 mesons on a hydrogen target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 486-492.	1.5	50
316	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
317	Search for $B_s^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$ Decays in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 107, 1501802.	1.6	50
318	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	50
319	Measurement of differential cross sections for top quark pair production using the $l\bar{l}\tau^+\tau^-$ final state in proton-proton collisions at 13 TeV . Physical Review D, 2017, 95, .	1.6	50
320	Search for Leptoquarks Coupled to Third-Generation Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 241802.	2.9	50
321	Search for a heavy pseudoscalar boson decaying to a Z and a Higgs boson at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 564.	1.4	50
322	Evidence for Quark-Hadron Duality in the Proton Spin Asymmetry A1. Physical Review Letters, 2003, 90, 092002.	2.9	49
323	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s} = 0.9$ and 2.36 TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	2.9	49
324	Search for new physics with jets and missing transverse momentum in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	49

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325	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. <i>Physical Review Letters</i> , 2012, 109, 071803.	2.9	49
326	Search for leptonic decays of $W\hat{e}^2$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	49
327	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	49
328	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 740, 83-104.	1.5	49
329	Search for an $L\hat{e}^2$ gauge boson using $Z\hat{e}^2$ at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 792, 345-368.	1.5	49
330	Q ² Dependence of Nuclear Transparency for Exclusive ρ^0 Production. <i>Physical Review Letters</i> , 2003, 90, 052501.	2.9	48
331	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 700, 187-206.	1.6	48
332	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	48
333	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	48
334	Measurement of charged pion, kaon, and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2017, 96, 014005.	1.6	48
335	Azimuthal anisotropy of charged particles with transverse momentum up to 100 GeV/c in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2018, 121, 082301.	2.9	48
336	Elliptic Flow of Charm and Strange Hadrons in High-Multiplicity Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2018, 121, 082301.	2.9	48
337	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 364.	1.4	48
338	Search for Supersymmetry in pp Collisions at $\sqrt{s} = 7$ TeV in Events with Two Photons and Missing Transverse Energy. <i>Physical Review Letters</i> , 2011, 106, 211802.	2.9	47
339	Measurement of the cross section and angular correlations for associated production of a Z boson with b hadrons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	47
340	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 221801.	1.5	47
341	Search for "Top Squarks" in $t\bar{t}$ Production. <i>Physical Review Letters</i> , 2013, 111, 221801.	2.9	47
342	Measurement of Prompt $t\bar{t}$ Production in $t\bar{t}$ Events with Two Photons and Missing Transverse Energy. <i>Physical Review Letters</i> , 2013, 111, 221801.	2.9	47
342	Yield Ratios in Pb-Pb and p -Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2018, 121, 082301.	2.9	47

#	ARTICLE	IF	CITATIONS
343	Search for two Higgs bosons in final states containing two photons and two bottom quarks in proton-proton collisions at 8 TeV. Physical Review D, 2016, 94, . Search for new physics in events with two soft oppositely charged leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.6	47
344	Search for supersymmetric partners of electrons and muons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 140-166.	1.5	47
345	Pileup mitigation at CMS in 13 TeV data. Journal of Instrumentation, 2020, 15, P09018-P09018.	2.9	47
346	Determination of the deep inelastic contribution to the generalised Gerasimov-Drell-Hearn integral for the proton and neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 531-538.	1.5	46
347	Search for new physics with same-sign isolated dilepton events with jets and missing transverse energy at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	46
349	Measurement of the Polarization of Bosons with Large Transverse Momenta in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 107, 021802.	2.9	46
350	Search for narrow resonances and quantum black holes in inclusive and b-tagged dijet mass spectra from pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	46
351	Measurement of the ratio $\frac{\sigma(\text{B} \rightarrow \text{t})}{\sigma(\text{B} \rightarrow \text{c})}$ in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2013, 111, 081802.		
352			

#	ARTICLE	IF	CITATIONS
361	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45
362	Search for heavy, top-like quark pair production in the dilepton final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 103-121.	1.5	45
363	Angular analysis and branching fraction measurement of the decay $B \rightarrow K^* \ell^+ \ell^-$ and $B \rightarrow K^* \ell^+ \ell^- \gamma$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 77-100.	1.5	45
364	Search for a Higgs boson decaying into a b-quark pair and produced in association with b quarks in proton-proton collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 207-232.	1.5	45
365	Measurement of associated production of vector bosons and top quark-antiquark pairs in $\sqrt{s} = 7 \text{ TeV}$ collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 726, 103-121.	2.9	45
366	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	2.9	45
368	Pseudorapidity distribution of charged hadrons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 143-163.	1.5	45
369	Search for neutral resonances decaying into a Z boson and a pair of b jets or $\tau^+ \tau^-$, leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 369-394.	1.5	45
370	Measurement of vector boson scattering and constraints on anomalous quartic couplings from events with four leptons and two jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 682-705.	1.5	45
371	Spin density matrix elements in exclusive $\bar{t}t$ electroproduction on ^1H and ^2H targets at 27.5 GeV beam energy. European Physical Journal C, 2009, 62, 659-695.	1.4	44
372	Search for microscopic black holes in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
373	Inclusive Search for Supersymmetry Using Razor Variables in $\sqrt{s} = 7 \text{ TeV}$ Collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 716, 103-121.	2.9	44
374	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in $\sqrt{s} = 7 \text{ TeV}$ Collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 716, 103-121.	2.9	44
375	Search for a light charged Higgs boson decaying to $c \bar{s}$ at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
376	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	2.9	44
377	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2015, 75, 151.	1.4	44
378	Search for lepton flavour violating decays of the Higgs boson to $e\bar{\nu}_\tau$, and $e\bar{\nu}_\mu$ in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 472-500.	1.5	44

#	ARTICLE	IF	CITATIONS
379	Study of Z boson production in pPb collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 750, 26-57.	1.5	44
380	Search for standard model production of four top quarks with same-sign and multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 140.	1.4	44
381	Search for the Higgs boson decaying to a W boson pair in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	1.5	44
382	Search for pair-produced dijet resonances in four-jet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2015, 75, 325.	2.9	43
383	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	1.4	43
384	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
385	Search for the standard model Higgs boson produced through vector boson fusion and decaying to $b\bar{b}$. Physical Review D, 2015, 92, .	1.6	43
386	Constraints on the pMSSM, AMSB model and on other models from the search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 325.	1.4	43
387	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .	1.6	43
388	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	1.5	43
389	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
390	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two b quarks and two \bar{l} , leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 462-488.	1.5	43
391	Subleading-twist effects in single-spin asymmetries in semi-inclusive deep-inelastic scattering on a longitudinally polarized hydrogen target. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 622, 14-22.	1.5	42
392	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	42
393	Study of W boson production in pPb collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 565-586.	1.5	42
394	Evidence for exclusive $\hat{t}\hat{t}^* W + W \hat{t}\hat{t}^*$ production and constraints on anomalous quartic gauge couplings in pp collisions at $s = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
395	Search for vector-like T and B quark pairs in final states with leptons at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42
396	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	42

#	ARTICLE	IF	CITATIONS
397	Search for Quark Compositeness with the Dijet Centrality Ratio in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	41
398	Search for Stopped Gluinos in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 011801.	2.9	41
399	Search for electroweak production of charginos and neutralinos using leptonic final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
400	Search for fractionally charged particles in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	41
401	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	1.5	41
402	Reevaluation of the parton distribution of strange quarks in the nucleon. Physical Review D, 2014, 89, .	1.6	41
403	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2016, 93, .	1.6	41
404	Measurement of the $t\bar{t}$ production cross section in the e^+e^- channel in proton-proton collisions at $s = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
405	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ and 8 TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
406	Search for third-generation scalar leptoquarks and heavy right-handed neutrinos in final states with two tau leptons and two jets in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	41
407	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state with two muons and two b quarks in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 398-423.	1.5	41
408	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	1.6	40
409	Beam-helicity asymmetry arising from deeply virtual Compton scattering measured with kinematically complete event reconstruction. Journal of High Energy Physics, 2012, 2012, 1.	1.6	40
410	Measurement of four-jet production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2014, 89, .	1.6	40
411	Measurement of the $t\bar{t}$ production cross section using events in the e^+e^- final state in pp collisions at $\sqrt{s}=13$ and 13 TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
412	Constraints on anomalous Higgs boson couplings using production and decay information in the four-lepton final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 1-24.	1.5	40
413	Search for Evidence of the Type-III Seesaw Mechanism in Multilepton Final States in Proton-Proton Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2017, 119, 221802.	2.9	40
414			

#	ARTICLE	IF	CITATIONS
415	Inclusive Search for a Highly Boosted Higgs Boson Decaying to a Bottom Quark-Antiquark Pair. <i>Physical Review Letters</i> , 2018, 120, 071802.	2.9	40
416	Search for new physics in dijet angular distributions using proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. <i>European Physical Journal C</i> , 2018, 78, 789.	1.4	40
417	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton-jets channel. <i>European Physical Journal C</i> , 2019, 79, 313.	1.4	40
418	Search for heavy Majorana neutrinos in same-sign dilepton channels in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2019, 1.	1.6	40
419	Search for Higgs boson pair production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2019, 123, 071802.	1.5	40
420	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2020, 124, 071802.	1.5	40
421	Measurement of the Higgs boson production rate in association with top quarks in final states with electrons, muons, and hadronically decaying tau leptons at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 378.	1.4	40
422	Single-spin azimuthal asymmetry in exclusive electroproduction of mesons on transversely polarized protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010, 682, 345-350.	1.5	39
423	Measurement of W^+W^- and Z^0 production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 701, 535-555.	1.5	39
424	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	39
425	Inclusive b -jet production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	39
426	Measurement of the Z^0 - b -jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	39
427	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	39
428	Measurement of the ZZ production cross section and search for anomalous couplings in 2γ , 2μ , $2e$ final states in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	39
429	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	39
430	Cross section measurement of t -channel single top quark production in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 772, 752-776.	1.3	39
431	Measurement of the $pp \rightarrow t\bar{t} + b$ cross section and search for anomalous couplings in pp collisions at the LHC. <i>Physical Review Letters</i> , 2018, 120, 091801.	2.9	39
432	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2018, 78, 965.	1.4	39

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433	Constraints on models of scalar and vector leptoquarks decaying to a quark and a neutrino at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mtext} \rangle \hat{\Lambda} \langle \text{mml:mtext} \rangle \text{TeV} \langle \text{mml:math} \rangle$. Physical Review D, 2018, 98, .	1.6	39
434	Measurement of azimuthal asymmetries with respect to both beam charge and transverse target polarization in exclusive electroproduction of real photons. Journal of High Energy Physics, 2008, 2008, 066-066.	1.6	38
435	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
436	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
437	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	1.5	38
438	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	38
439	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ with a lepton in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 207-220.	1.5	38
440	Transverse target single-spin asymmetry in inclusive electroproduction of charged pions and kaons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 183-190.	1.5	38
441	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 845.	1.4	38
442	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2017, 77, 636.	1.4	38
443	Suppression of Excited $\bar{1}^1$ States Relative to the Ground State in Pb-Pb Collisions at $\sqrt{s} = 2.76 \text{ TeV}$. Physical Review Letters, 2018, 120, 142301.	2.9	38
444	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying $\bar{1}$, leptons at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
445	Production and the $\bar{1}$ Structure of the Yukawa $\bar{1}$. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 338-347.	2.9	38
446	Optical characterization of $n=1.03$ silica aerogel used as radiator in the RICH of HERMES. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 338-347.	0.7	37
447	Measurement of the tar production cross section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	1.4	37
448	Measurement of the $b\bar{b}$ cross section and the $\bar{1}$ structure of the Yukawa $\bar{1}$. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 440, 338-347.	1.5	37
449	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-225.	1.5	37
450	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 204-225.	1.5	37

#	ARTICLE	IF	CITATIONS
451	<p>ment of the W and Z inclusive cross sections in $p\bar{p}$ collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.</p>	1.6	37
452	<p>Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.</p>	1.6	37
453			

#	ARTICLE	IF	CITATIONS
469	Search for single production of a vector-like T quark decaying to a Z boson and a top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
470	Search for anomalous electroweak production of vector boson pairs in association with two jets in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
471	Search for anomalous electroweak production and search for new physics in WZ + two jets events in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.5	36
472	Measurement of the cross section for top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134985.	1.6	35
473	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.6	35
474	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35
475	Search for heavy Majorana neutrinos in $e^+e^- \rightarrow \mu^+\mu^- + \text{jets}$ and $e^+e^- \rightarrow \mu^+\mu^- + \text{jets}$ events in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
476	Multiplicity and rapidity dependence of strange hadron production in pp, pPb, and PbPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 103-129.	1.5	35
477	Search for Low Mass Vector Resonances Decaying to Quark-Antiquark Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 111802.	2.9	35
478	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
479	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.	1.6	35
480	Measurement of exclusive Υ photoproduction from protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 277.	1.4	35
481	Measurement of associated production of a W boson and a charm quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 269.	1.4	35
482	Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, .	1.6	35
483	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 488.	1.4	35
484	Search for Three-jet Resonances in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2011, 107, 101801.	2.9	34
485	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
486	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34

#	ARTICLE	IF	CITATIONS
487	Search for supersymmetry in final states with missing transverse energy and 0, 1, 2, or 3 b-quark jets in 7 TeV pp collisions using the variable \hat{t} . Journal of High Energy Physics, 2013, 2013, 1.	1.6	34
488	Search for a $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \rangle \hat{e}^2 \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:math} \rangle$ boson decaying to a bottom quark and a top quark in pp collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" overflow="scroll" \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:msqrt} \rangle \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle 7 \langle \text{mml:mrow} \rangle \langle \text{mml:mtext} \rangle \hat{A} \langle \text{mml:math} \rangle$	1.5	34
489	Search for $Z\hat{e}^2$ resonances decaying to $t\bar{t}$ dilepton+jets final states in pp collisions at $\sqrt{s}=7\hat{e}\text{TeV}$. Physical Review D, 2013, 87.	1.6	34
490	Search for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ and $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ production and constraints on anomalous quartic gauge couplings in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle$	1.6	34
491	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
492	Measurements of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll" \rangle \langle \text{mml:mi mathvariant="normal"} \rangle \hat{t} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} stretchy="false" \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant="normal"} \rangle 1 \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle T_j$ ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (mat	1.5	34
493	Measurement of the Top Quark Pair Production Cross Section in Proton-Proton Collisions at $\sqrt{s}=8\text{TeV}$. Physical Review Letters, 2016, 116, 052002.	2.9	34
494	Measurement of $\overline{t\bar{t}}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2016, 76, 379.	1.4	34
495	Measurements of the $\overline{t\bar{t}}$ production cross section in lepton+jets final states in pp collisions at 8 TeV and ratio of 8 to 7A TeV cross sections. European Physical Journal C, 2017, 77, 15.	1.4	34
496	Measurement of the cross section for electroweak production of $Z\hat{I}^3$ in association with two jets and constraints on anomalous quartic gauge couplings in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. European Physical Journal C, 2017, 77, 380-402.	1.5	34
497	Measurements of Squark and Gluino Production Cross Sections and pp Collisions at $\sqrt{s}=13\text{TeV}$. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 770, 251-272.	1.6	34
498	Search for an exotic decay of the Higgs boson to a pair of light pseudoscalars in the final state of two muons and two \hat{I}, \bar{l} , leptons in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
499	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s}=13\text{TeV}$. European Physical Journal C, 2018, 78, 891.	1.4	34
500	Search for a heavy right-handed W boson and a heavy neutrino in events with two same-flavor leptons and two jets at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	34
501	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. European Physical Journal C, 2019, 79, 90.	1.4	34
502	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Physical Review D, 2019, 100, .	1.6	34
503	Search for a two-photon exchange contribution to inclusive deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 351-354.	1.5	33
504	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s}=7-13\text{TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	33

#	ARTICLE	IF	CITATIONS
505	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	33
506	Search for narrow high-mass resonances in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 255-277.	1.6	33
507	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
508	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 758, 152-180.	1.5	33
509	Search for a massive resonance decaying to a pair of Higgs bosons in the four b quark final state in proton-proton collisions at $s=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 244-269.	1.5	33
510	Search for heavy neutrinos and third-generation leptoquarks in hadronic states of two \tilde{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	33
511	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Nuclear Physics A, 2019, 79, 702.	1.4	33
512	Measurement of the top quark polarization and spin correlations using dilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.6	33
513	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 13.	1.4	33
514	Search for top squark pair production using dilepton final states in $\sqrt{s}=13$ TeV collisions data collected at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.4	33
515	Search for singly and pair-produced leptoquarks coupling to third-generation fermions in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.5	33
516	Measurement of normalized multi-differential cross sections in $\sqrt{s}=13$ TeV collisions at $\sqrt{s}=13$ TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
517	Multidimensional study of hadronization in nuclei. European Physical Journal A, 2011, 47, 1.	1.0	32
518	Measurement of $\overline{B}B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
519	Search for supersymmetry in pp collisions at $\sqrt{s}=7$ TeV in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	1.6	32
520	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2021, 81, 3.	1.6	32
521	Searches for new physics: Les Houches recommendations for the presentation of LHC results. European Physical Journal C, 2012, 72, 1.	1.4	32
522	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32

#	ARTICLE	IF	CITATIONS
523	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2674.	1.4	32
524	Search for a non-standard-model Higgs boson decaying to a pair of new light bosons in four-muon final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 564-586.	1.5	32
525	Measurements of the $Z Z$ production cross sections in the $2u \rightarrow 2l + \gamma$ channel in proton-proton collisions at $\sqrt{s} = 7$ TeV. Study of Jet Quenching with 2015. http://www.w3.org/1998/Math/MathML $\rightarrow + \text{jet}$	1.4	32
526	Correlations in Pb-Pb and pp collisions at $\sqrt{s} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML p	2.9	32
527	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
528	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s} = 2.76$ TeV. Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	2.9	32
529	Search for pair production of second-generation leptoquarks at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, .	1.6	32
530	Charged-particle angular correlations in XeXe collisions at $\sqrt{s} = 13.6$ TeV. Physical Review C, 2019, 100, .	1.6	32
531	Non-Gaussian elliptic-flow fluctuations in PbPb collisions at $\sqrt{s} = 2.76$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll" width="0.2em" /> $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 643-665.	1.6	32
532	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	31
533	GEM based detector for future upgrade of the CMS forward muon system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 718, 383-386.	0.7	31
534	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	31
535	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 66.	1.4	31
536	Measurement of transverse momentum relative to dijet systems in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	31
537	Search for heavy gauge $W\tilde{\chi}^{\pm 2}$ bosons in events with an energetic lepton and large missing transverse momentum at $\sqrt{s} = 13$ TeV. http://www.w3.org/1998/Math/MathML altimg="si1.gif" overflow="scroll" /> $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 278-301.	1.5	31
538	Search for top squark pair production in pp collisions at $\sqrt{s} = 13$ TeV using single lepton events. Journal of High Energy Physics, 2017, 2017, 1.	1.6	31
539	Search for disappearing tracks as a signature of new long-lived particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	31
540	Search for pair production of first-generation scalar leptoquarks at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, .	1.6	31

#	ARTICLE	IF	CITATIONS
541	A multi-dimensional search for new heavy resonances decaying to boosted W or Z boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 237.	1.4	31
542	Longitudinal spin transfer to the Λ hyperon in semiinclusive deep-inelastic scattering. Physical Review D, 2006, 74, .	1.6	30
543	Exclusive electroproduction on transversely polarized protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 100-105.	1.5	30
544	Nuclear-mass dependence of azimuthal beam-helicity and beam-charge asymmetries in deeply virtual Compton scattering. Physical Review C, 2010, 81, .	1.1	30
545	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
546	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	30
547	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
548	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
549	Measurement of the W-boson helicity in top-quark decays from W production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
550	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
551	Measurements of spin correlations and top quark polarization using dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
552	Search for massive WH resonances decaying into the $b\bar{b}$ final state at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
553	Inclusive and differential measurements of the B production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.5	30
554	Inclusive and differential measurements of the B production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.5	30
555	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.4	30
556	Measurement of differential cross sections for the production of top quark pairs and of additional jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.6	30
557	Observation of Single Top Quark Production in Association With \bar{b} in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 132003.	1.6	30
558	Observation of Single Top Quark Production in Association With \bar{b} in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 132003.	2.9	30

#	ARTICLE	IF	CITATIONS
559	Search for invisible decays of the Higgs boson produced via vector boson fusion in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105, .	1.6	30
560	Single-spin azimuthal asymmetry in exclusive electroproduction of \bar{D}^* mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 535, 85-92.	1.5	29
561	Measurement of azimuthal asymmetries associated with deeply virtual Compton scattering on a longitudinally polarized deuterium target. Nuclear Physics B, 2011, 842, 265-298.	0.9	29
562	Performance of Glass Resistive Plate Chambers for a high-granularity semi-digital calorimeter. Journal of Instrumentation, 2011, 6, P02001-P02001.	0.5	29
563	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	1.6	29
564	Search for a $W \rightarrow \ell \bar{\nu}_\ell$ or Techni- W decaying into $W \rightarrow \ell \bar{\nu}_\ell$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	2.9	29
565	Measurement of the virtual-photon asymmetry A_2 and the spin-structure function g_2 of the proton. European Physical Journal C, 2012, 72, 1.	1.5	29
566	Measurement of the virtual-photon asymmetry A_2 and the spin-structure function g_2 of the proton. European Physical Journal C, 2012, 72, 1.	1.4	29
567	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2016, 76, 372.	1.4	29
568	Correlations between jets and charged particles in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
569	A search for new phenomena in pp collisions at $\sqrt{s} = 13$ TeV in final states with missing transverse momentum and at least one jet using the α_T variable. European Physical Journal C, 2017, 77, 294.	1.4	29
570	Search for light bosons in decays of the 125 GeV Higgs boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	29
571	Search for lepton flavour violating decays of the Higgs boson to $\tau^+ \tau^-$, and $e \bar{\nu}_e$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
572	Observation of proton-tagged, central (semi)exclusive production of high-mass lepton pairs in pp collisions at 13 TeV with the CMS-TOTEM precision proton spectrometer. Journal of High Energy Physics, 2018, 2018, 1.	1.6	29
573	Bose-Einstein correlations in pp, and PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2018, 97, .	1.1	29
574	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.4	29
575	Search for dark matter produced in association with a Higgs boson decaying to a pair of bottom quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 280.	1.5	28
576	Search for long-lived particles in events with photons and missing energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	1.5	28

#	ARTICLE	IF	CITATIONS
577	Forward "backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 752-772.	1.5	28
578	Measurement and interpretation of differential cross sections for Higgs boson production at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 107-131.	1.6	28
579	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	28
580	Search for long-lived particles decaying into displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 99, .	1.6	28
581	Measurements of $\sqrt{s}=13$ TeV differential cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV using events containing two leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
582	Search for $\mathcal{B} \rightarrow \mathcal{B} \gamma$ production in the $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decay channel with leptonic $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
583	Search for $\mathcal{B} \rightarrow \mathcal{B} \gamma$ production in the $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decay channel with leptonic $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	28
584	Production of $\mathcal{B} \rightarrow \mathcal{B} \gamma$ in proton-proton and lead-lead collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 792, 107-131.	1.5	28
585	Measurements of differential Z-boson production cross sections in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
586	Search for a $\mathcal{B} \rightarrow \mathcal{B} \gamma$ production in the $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decay channel with leptonic $\mathcal{B} \rightarrow \mathcal{B} \gamma$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.5	27
587	Study of Z production in PbPb and pp collisions at $\sqrt{s_{NN}}=2.76$ TeV in the dimuon and dielectron decay channels. Journal of High Energy Physics, 2015, 2015, 1.	1.6	27
588	Search for anomalous single top quark production in association with a photon in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
589	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	1.6	27
590	Transverse momentum spectra of inclusive b jets in pPb collisions at $\sqrt{s}=5.02$ TeV. Physical Review D, 2016, 93, .	1.5	27
591	Search for massive resonances decaying into WZ in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.5	27
592	Search for pair production of vector-like T and B quarks in single-lepton final states using boosted jet substructure in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27
593	Search for new physics in events with a leptonically decaying Z boson and a large transverse momentum imbalance in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.4	27
594	Search for massive resonances decaying into WZ in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	27

#	ARTICLE	IF	CITATIONS
595	A search for pair production of new light bosons decaying into muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 796, 131-154.	1.5	27
596	Performance of the reconstruction and identification of high-momentum muons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P02027-P02027.	0.5	27
597	Measurement of the $\Upsilon(1S)$ pair production cross section and search for resonances decaying to $\Upsilon(1S) \rightarrow \mu^+ \mu^-$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 798, 135-145.	1.5	27
598	Search for new neutral Higgs bosons through the $ZZ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ process in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	27
599	Measurements of Higgs boson production cross sections and couplings in the diphoton decay channel at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
600	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	26
601	Search for a heavy gauge boson Z' in dilepton events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.5	26
602	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	1.6	26
603	Search for resonant $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
604	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	26
605	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	26
606	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\mu, 2\tau$ channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
607	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
608	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
609	Construction and commissioning of a technological prototype of a high-granularity semi-digital hadronic calorimeter. Journal of Instrumentation, 2015, 10, P10039-P10039.	0.5	26
610	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
611	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	1.4	26
612	Combination of searches for heavy resonances decaying to $WW, WZ, ZZ, WH,$ and ZH boson pairs in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 533-558.	1.5	26

#	ARTICLE	IF	CITATIONS
613	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
614	Search for long-lived particles using nonprompt jets and missing transverse momentum with proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876.	1.5	26
615	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s}=0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	25
616	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	1.5	25
617	Search for a low-mass pseudoscalar Higgs boson produced in association with a W boson in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	1.5	25
618	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 325.	1.4	25
619	Search for a low-mass pseudoscalar Higgs boson produced in association with a W boson in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 762, 512-534.	1.5	25
620	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	1.5	25
621	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
622	Search for physics beyond the standard model in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	25
623	Search for long-lived particles using displaced jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134876.	1.6	25
624	Search for lepton flavor violating decays of the Higgs boson in the $h \rightarrow \tau\tau$ channel in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 766, 268-290.	1.6	25
625	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, 114012.	1.6	24
626	Measurement of the $t\bar{t}$ production cross section in the $t\bar{t} + \text{jets}$ channel in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 1.	1.4	24
627	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
628	Search for third-generation scalar leptoquarks in the $t\bar{t}$ channel in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
629	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24
630	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 79-99.	1.5	24

#	ARTICLE	IF	CITATIONS
631	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high- p_T top quarks in pp collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 94, .	1.6	24
632	Measurement of the charge asymmetry in top quark pair production in collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 93, .	1.6	24
633	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 93, .	1.6	24
634	Measurements of the charge asymmetry in top quark pair production in collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 93, .	1.5	24
635	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 93, .	2.9	24
636	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s}=8\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	1.5	24
637	Search for dark matter and unparticles produced in association with a Z boson in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2016, 93, .	2.9	24
638	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2018, 98, .	1.6	24
639	Search for physics beyond the standard model in high-mass diphoton events from proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review D, 2018, 98, .	1.6	24
640	Search for new long-lived particles at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 432-454.	1.5	24
641	Search for new particles decaying to a jet and an emerging jet. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
642	Jet Shapes of Isolated Photon-Tagged Jets in Pb-Pb and pp Collisions at $\sqrt{s}=8\text{ TeV}$. Physical Review Letters, 2019, 122, 152001.	2.9	24
643	Study of excited $b\bar{b}0$ states decaying to $b\bar{b}0\gamma$ in proton-proton collisions at $\sqrt{s}=13\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135345.	1.5	24
644	Measurements of the production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s}=13\text{ TeV}$. European Physical Journal C, 2021, 81, 200.	1.4	24
645	Double-Hadron Leptoproduction in the Nuclear Medium. Physical Review Letters, 2006, 96, 162301.	2.9	23
646	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	23
647	Search for excited quarks in the final state in proton-proton collisions at $\sqrt{s}=8\text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 274-293.	1.5	23
648	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s}=8\text{ TeV}$ in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	1.4	23

#	ARTICLE	IF	CITATIONS
649	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
650	Measurement of the jet mass in highly boosted $\overline{\text{t}}\text{t}$ events from pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 467.	1.4	23
651	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
652	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
653	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
654	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 354.	1.4	23
655	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s}=8$ TeV and constraints on parton distribution functions. European Physical Journal C, 2017, 77, 746.	1.4	23
656	Searches for pair production of charginos and top squarks in final states with two oppositely charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
657	Search for the flavor-changing neutral current interactions of the top quark and the Higgs boson which decays into a pair of b quarks at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	23
658	Search for supersymmetry in proton-proton collisions at $\sqrt{s}=13$ TeV using identified top quarks. Physical Review D, 2018, 97, .	1.6	23
659	Search for resonant $\overline{\text{t}}\text{t}$ production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	23
660	Search for Low-Mass Quark-Antiquark Resonances Produced in Association with a Photon at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 123, 231803.	2.9	23
661	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
662	Search for dark matter and unparticles in events with a Z boson and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	23
663	Evidence for X(3872) in Pb-Pb Collisions and Studies of its Prompt Production at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2022, 128, 032001.	2.9	23
664	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
665	Inclusive measurements of inelastic electron and positron scattering from unpolarized hydrogen and deuterium targets. Journal of High Energy Physics, 2011, 2011, 1.	1.6	22
666	Search for supersymmetry in events with photons and low missing transverse energy in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 42-61.	1.5	22

#	ARTICLE	IF	CITATIONS
667	Search for physics beyond the standard model in events with \bar{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2013, 73, 2493.	1.4	22
668	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.	1.5	22
669	Measurement of the ZZ production cross section and Z \hat{A}^+ , \hat{A}^0 , \hat{A}^- , $\hat{A}^{\pm 2}$ branching fraction in pp collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 763, 280-303.	1.5	22
670	Search for $t\bar{t}\hat{A}^{\pm}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
671	Search for massive resonances decaying into WW, WZ or ZZ bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
672	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
673	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying \bar{l} , leptons and two jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
674	Constraining Gluon Distributions in Nuclei Using Dijets in Proton-Proton and Proton-Lead Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2018, 121, 062002.	2.9	22
675	Search for direct pair production of supersymmetric partners to the τ lepton in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 189.	1.4	22
676	Observation of a New Excited Beauty Strange Baryon Decaying to $\bar{l}b\bar{c}$. Physical Review Letters, 2021, 126, 252003.	2.9	22
677	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 370.	1.4	22
678	Azimuthal single- and double-spin asymmetries in semi-inclusive deep-inelastic lepton scattering by transversely polarized protons. Journal of High Energy Physics, 2020, 2020, 1.	1.6	22
679	Search for Pair Production of First-Generation Scalar Leptoquarks in pp Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2011, 106, 201802.	2.9	21
680	Searches for supersymmetry based on events with b jets and four W bosons in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 5-28.	1.5	21
681	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
682	Search for supersymmetry in events with a \bar{l} , lepton pair and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
683	Search for beyond the standard model Higgs bosons decaying into a $b\bar{b}$ pair in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	21
684	Search for a Light Charged Higgs Boson Decaying to a W Boson and a Charged Higgs Boson in Final States with C or P -Odd Higgs Boson in Final States with e . Physical Review Letters, 2011, 106, 201802.	2.9	21

#	ARTICLE	IF	CITATIONS
685	Observation of prompt J/ψ meson elliptic flow in high-multiplicity pPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 791, 172-194.	1.5	21
686	Constraints on anomalous $H \rightarrow VV$ couplings from the production of Higgs bosons decaying to lepton pairs. Physical Review D, 2019, 100, .	1.6	21
687	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	1.3	21
688	Search for direct top squark pair production in events with one lepton, jets, and missing transverse momentum at 13 TeV with the CMS experiment. Journal of High Energy Physics, 2020, 2020, 1.	1.6	21
689	Search for bottom-type, vectorlike quark pair production in a fully hadronic final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	21
690	Observation of electroweak production of $W\tau^3$ with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135988.	1.5	21
691	The Q ² -dependence of the generalised Gerasimov-Drell-Hearn integral for the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 494, 1-8.	1.5	20
692	Search for an exotic $S=2, Q=2$ baryon resonance at a mass near 1862 MeV in quasireal photoproduction. Physical Review D, 2005, 71, .	1.6	20
693	Characterization of GEM detectors for application in the CMS muon detection system. , 2010, , .		20
694	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	20
695	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
696	Search for supersymmetry in pp collisions at $\sqrt{s} = 7$ TeV in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	1.4	20
697	Search for flavor changing neutral currents in top quark decays in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1252-1272.	1.5	20
698	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	20
699	Measurements of the τ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
700	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
701	Meson Production in $p\bar{p}$ Collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	2.9	20
702	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20

#	ARTICLE	IF	CITATIONS
703	Measurements of the charm jet cross section and nuclear modification factor in pp collisions at $\sqrt{s} = 13$ TeV. <i>Physical Letters, Section B: Nuclear, Elementary Particle and High Energy Physics</i> , 2017, 772, 306-320.	2.0	20
704	Search for $\overline{t}tH$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
705	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	20
706	Search for associated production of a Higgs boson and a single top quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 99, .	1.6	20
707	Search for rare decays of Z and Higgs bosons to $\psi\psi$ and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 94.	1.4	20
708	Search for low mass vector resonances decaying into quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2019, 100, .	1.6	20
709	Observation of the Production of Three Massive Gauge Bosons at $\sqrt{s} = 13$ TeV. <i>Physical Review Letters</i> , 2019, 123, 171801.	2.9	20
710	Search for a light charged Higgs boson in the $H \rightarrow \tau\tau$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2020, 101, 012004.	1.6	20
711	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	20
712	A search for the standard model Higgs boson decaying to charm quarks. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	1.6	20
713	Measurements of production cross sections of polarized same-sign W boson pairs in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2021, 103, 012004.	1.5	20
714	Search for top squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2021, 104, .	1.6	20
715	Measurement of differential and integrated fiducial cross sections for Higgs boson production in the four-lepton decay channel in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	19
716	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into \tilde{l}, l , leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	19
717	Measurement of the differential cross sections for the associated production of a W boson and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2017, 95, 012004.	1.6	19
718	Principal-component analysis of two-particle azimuthal correlations in PbPb and pPb collisions at CMS. <i>Physical Review C</i> , 2017, 96, .	1.6	19
719	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	19
720	Observation of the $\chi_{b1}(3P)$ and $\chi_{b2}(3P)$ and Measurement of their Masses. <i>Physical Review Letters</i> , 2018, 121, 092002.	2.9	19

#	ARTICLE	IF	CITATIONS
721	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 132992.	1.5	19
722	Search for Physics Beyond the Standard Model in Events with High-Momentum Higgs Bosons and Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 120, 241801.	2.9	19
723	Search for MSSM Higgs bosons decaying to $b\bar{b}$ in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 132992.	1.5	19
724	Search for charged Higgs bosons produced in vector boson fusion processes and decaying into vector boson pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 723.	1.4	19
725	Search for supersymmetry in events with b-quark jets and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2012, 86, .	1.6	18
726	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
727	Measurement of the Azimuthal Anisotropy of Neutral Pions in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 110, 042301.	1.5	18
728	Spin density matrix elements in exclusive Ω^- electroproduction on ^1H and ^2H targets at 27.5 GeV beam energy. European Physical Journal C, 2014, 74, 1.	1.4	18
730	Search for stealth supersymmetry in events with jets, either photons or leptons, and low missing transverse momentum in pp collisions at 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 503-525.	1.5	18
731	Decomposing transverse momentum balance contributions for quenched jets in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18
732	Search for direct pair production of supersymmetric top quarks decaying to all-hadronic final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 460.	1.4	18
733	Search for $W\bar{c}c$ decaying to tau lepton and neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 196-216.	1.5	18
734	Search for top squark pair production in compressed-mass-spectrum scenarios in proton-proton collisions at $\sqrt{s} = 13$ TeV using the $\hat{t} = T$ variable. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 403-430.	1.5	18
735	Measurement of normalized differential $\overline{\sigma}(\text{t}\bar{\text{t}})$ cross sections in the dilepton channel from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
736	Measurements of the differential jet cross section as a function of the jet mass in dijet events from proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
737	Search for resonant pair production of Higgs bosons decaying to bottom quark-antiquark pairs in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18

#	ARTICLE	IF	CITATIONS
739	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 20.	1.4	18
740	Measurement of the differential Drell-Yan cross section in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	18
741	Observation of nuclear modifications in W^{\pm} boson production in pPb collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 800, 135048.	1.5	18
742	Running of the top quark mass from proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135263.	1.5	18
743	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	1.4	18
744	Evidence for electroweak production of four charged leptons and two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 812, 135992.	1.5	18
745	Combined searches for the production of supersymmetric top quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 970.	1.4	18
746	Search for low-mass dilepton resonances in Higgs boson decays to four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 290.	1.4	18
747	Search for pair production of second-generation scalar top quarks in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201803.	2.9	17
748	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
749	Search for large color dimensions in dijet and dielectron events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.5	17
750	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
751	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
752	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	1.4	17
753	The time structure of hadronic showers in highly granular calorimeters with tungsten and steel absorbers. Journal of Instrumentation, 2014, 9, P07022-P07022.	0.5	17
754	Measurement of the ratio of the production cross sections times branching fractions of B_c and B_s mesons. Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
755	Search for Higgs boson off-shell production in proton-proton collisions at 7 and 8 TeV and derivation of constraints on its total decay width. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
756	Measurement of the inelastic cross section in proton-proton lead collisions at $\sqrt{s} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 641-662.	1.6	17

#	ARTICLE	IF	CITATIONS
757	Search for new physics with the M_{T2} variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
758	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	1.5	17
759	Search for new physics in the monophoton final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
760	Measurement of electroweak-induced production of $W\hat{1}^3$ with two jets in pp collisions at $\sqrt{s} = 8$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
761	Measurements of jet charge with dijet events in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
762	Constraints on the double-parton scattering cross section from same-sign W boson pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
763	Charged-particle nuclear modification factors in XeXe collisions at $\sqrt{s_{\text{NN}}} = 5.44$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
764	Angular analysis of the decay $B \rightarrow K^* K^* \pi^0$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2018, 98, .	1.6	17
765	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	17
766	Search for $Z\hat{1}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
767	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.	1.6	17
768	Search for the decay of a Higgs boson in the $h \rightarrow a \gamma \gamma$ channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
769	Measurement of charged particle spectra in minimum-bias events from proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 697.	1.4	17
770	Electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	17
771	Measurement of the associated production of a single top quark and a Z boson in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 779, 358-364.	1.6	17
772	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
773	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	1.5	17
774	Studies of Beauty Suppression via Nonprompt Mesons in Pb-Pb Collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Physical Review Letters, 2019, 123, 022001.	2.9	17

#	ARTICLE	IF	CITATIONS
775	Search for Long-Lived Particles Decaying in the CMS End Cap Muon Detectors in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2021, 127, 261804.	2.9	17
776	Double-spin asymmetry in the cross section for exclusive $\bar{t}t$ production in lepton-proton scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 513, 301-310.	1.5	16
777	Transverse polarization of Λ and Σ^0 hyperons in quasideep photoproduction. Physical Review D, 2007, 76, .	1.6	16
778	Measurement of the inclusive production cross sections for forward jets and for dijet events with one forward and one central jet in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	16
779	Measurement of the $\bar{t}t$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
780	Measurement of the hadronic activity in events with a Z and two jets and extraction of the cross section for the electroweak production of a Z with two jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
781	Measurement of jet multiplicity distributions in $\bar{t}t$ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	1.4	16
782	Measurement of the production cross section ratio $\sigma(\bar{t}t(1P))/\sigma(\bar{t}t(1P))$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 383-402.	1.5	16
783	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s} = 8$ TeV. Measurements of the $\bar{t}t$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
784	Measurement of the $\bar{t}t$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
785	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
786	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
787	Search for a massive resonance decaying into a Higgs boson and a W or Z boson in hadronic final states in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
788	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 92.	1.4	16
789	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 78, 287.	1.5	16
790	Measurements of the $\bar{t}t$ production cross sections in association with b jets and inclusive jets and their ratio using dilepton final states in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	1.5	16
791	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	1.4	16
792	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	16

#	ARTICLE	IF	CITATIONS
793	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
794	Search for low-mass resonances decaying into bottom quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, .	1.6	16
795	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
796	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}\text{b})$ cross section in the full kinematic range using the four-lepton final state. Physical Review D, 2021, 104, .	1.5	16
797	Constraints on anomalous Higgs boson couplings to vector bosons and fermions in its production and decay using the four-lepton final state. Physical Review D, 2021, 104, .	1.6	16
798	Observation of Forward Neutron Multiplicity Dependence of Dimuon Acoplanarity in Ultraperipheral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2021, 127, 122001.	2.9	16
799	Measurement of the $\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}}\text{b})$ cross section in the full kinematic range using the four-lepton final state. Physical Review D, 2021, 104, .	1.6	16
800	Ratios of helicity amplitudes for exclusive $\bar{t}t$ electroproduction. European Physical Journal C, 2011, 71, 1.	1.4	15
801	Study of the Dijet Mass Spectrum in $pp \rightarrow W + \text{jets}$ Events at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 251801.	1.6	15
802	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
803	Search for charge asymmetric production of $\text{t}\bar{\text{t}}\text{b}$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	15
804	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
805	Search for new physics in events with photons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	15
806	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	1.5	15
807	Search for heavy resonances in the W/Z-tagged dijet mass spectrum in pp collisions at 7 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 280-301.	1.6	15
808	Performance of the first prototype of the CALICE scintillator strip electromagnetic calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 278-289.	0.7	15
809	Upgrade of the CMS muon system with triple-GEM detectors. Journal of Instrumentation, 2014, 9, C10036-C10036.	0.5	15
810	Testing hadronic interaction models using a highly granular silicon-tungsten calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 794, 240-254.	0.7	15

#	ARTICLE	IF	CITATIONS
811	Measurement of the cross section ratio $\frac{\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}})}{\sigma(\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{b}\bar{\text{b}})}$ at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	15
812	Search for a Higgs boson decaying into $\tilde{\chi}_1^0 \tilde{\chi}_1^0$ with low dilepton mass in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 341-362.	1.5	15
813	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
814	Search for Supersymmetry in $\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{b}\bar{\text{b}} + \text{jet} + \text{jet}$ Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2017, 119, 151802.	2.9	15
815	Search for electroweak production of charginos and neutralinos in WH events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
816	Search for top quark decays via Higgs-boson-mediated flavor-changing neutral currents in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
817	Measurement of the $\text{t}\bar{\text{t}} \rightarrow \text{t}\bar{\text{t}} + \text{jet} + \text{jet}$ production cross section using events with one lepton and at least one jet in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
818	Search for new physics with dijet angular distributions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
819	Measurement of the polarization and angular parameters in $\text{pp} \rightarrow \text{t}\bar{\text{t}} + \text{jet} + \text{jet}$ collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
820	Search for a singly produced third-generation scalar leptoquark decaying to a $\tilde{\chi}_1^0$, lepton and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	15
821	Measurement of b hadron lifetimes in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 457.	1.4	15
822	Measurement of prompt $\tilde{\chi}(2S)$ production cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 509-532.	1.9	15
823	Search for new physics in final states with a single photon and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	15
824	Layout and assembly technique of the GEM chambers for the upgrade of the CMS first muon endcap station. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 918, 67-75.	0.7	15
825	Search for lepton flavour violating decays of a neutral heavy Higgs boson to $\tilde{\chi}_1^0 \tilde{\chi}_1^0$, and $e\tilde{\chi}_1^0$, in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
826	Beam-Induced Nuclear Depolarization in a Gaseous Polarized-Hydrogen Target. Physical Review Letters, 1999, 82, 1164-1168.	2.9	14
827	Measurement of the ratio of the 3-jet to 2-jet cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	14
828	Search for third-generation leptoquarks and scalar bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	14

#	ARTICLE	IF	CITATIONS
829	Measurement of the production cross section for $Z\gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $ZZ\gamma$ and $Z\gamma\gamma$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
830	Search for s channel single top quark production in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
831	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV in the single-lepton final state using the sum of masses of large-radius jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
832	Measurement of spin correlations in $t\bar{t}$ production using the matrix element method in the muon+jets final state in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	14
833	Search for supersymmetry in events with soft leptons, low jet multiplicity, and missing transverse energy in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 9-35.	1.5	14
834	Search for single production of a heavy vector-like T quark decaying to a Higgs boson and a top quark with a lepton and jets in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 80-105.	1.5	14
835	Search for associated production of a heavy vector-like quark decaying into a b quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 279-307.	1.5	14
836	Search for associated production of dark matter with a Higgs boson decaying to $b\bar{b}$ or $\tau\tau$ at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
837	Measurements of differential production cross sections for a Z boson in association with jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
838	Search for black holes and other new phenomena in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 279-307.	1.6	14
839	Search for electroweak production of a vector-like quark decaying to a top quark and a Higgs boson using boosted topologies in fully hadronic final states. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
840	Search for supersymmetry in events with at least one photon, missing transverse momentum, and large transverse event activity in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	14
841	Search for black holes and sphalerons in high-multiplicity final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14
842	Evidence for the Associated Production of a Single Top Quark and a Photon in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 221802.	2.9	14
843	Studies of $B_s^0 \rightarrow B_s^- \tau^+ \nu_\tau$ and $B_s^0 \rightarrow B_s^- \mu^+ \nu_\mu$ decays. Journal of High Energy Physics, 2018, 2018, 1.	1.6	14

#	ARTICLE	IF	CITATIONS
847	Search for production of Higgs boson pairs in the four b quark final state using large-area jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	14
848	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	1.6	14
849	Search for long-lived particles using delayed photons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2019, 100, .	1.6	14
850	Mixed higher-order anisotropic flow and nonlinear response coefficients of charged particles in $\sqrt{s_{NN}}=2.76$ and 5.02 TeV collisions. European Physical Journal C, 2020, 80, 534.	1.4	14
851	Search for dark matter particles produced in association with a Higgs boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
852	Search for long-lived particles decaying to leptons with large impact parameter in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, 153.	1.4	14
853	Inclusive nonresonant multilepton probes of new phenomena at $\sqrt{s}=13$ TeV. Physical Review D, 2020, 102, 115001.	1.6	14
854	Hard exclusive electroproduction of $\rho(770)$ mesons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2020, 102, 115001.	1.5	13
855	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	1.6	13
856	Measurement of the underlying event activity in pp collisions at $\sqrt{s}=0.9$ and 7 TeV with the novel jet-area/median approach. Journal of High Energy Physics, 2012, 2012, 1.	1.6	13
857	Search for heavy quarks decaying into a top quark and a W or Z boson using lepton + jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
858	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .	1.6	13
859	Search for the associated production of a Higgs boson with a single top quark in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
860	Measurement of the top quark mass using charged particles in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	1.6	13
861	Search for dark matter in proton-proton collisions at 8 TeV with missing transverse momentum and vector boson tagged jets. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
862	Search for exotic decays of a Higgs boson into undetectable particles and one or more photons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 363-388.	1.5	13
863	Search for single production of vector-like quarks decaying to a Z boson and a top or a bottom quark in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	13
864	Search for top squarks decaying via four-body or chargino-mediated modes in single-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13

#	ARTICLE	IF	CITATIONS
865	Measurement of the underlying event activity in inclusive Z boson production in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
866	Measurements of differential cross sections of top quark pair production as a function of kinematic event variables in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	13
867	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	13
868	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
871	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
872	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
873	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	2.9	13
874	Search for supersymmetry with a compressed mass spectrum in the vector boson fusion topology with 1-lepton and 0-lepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
875	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	13
876	Measurement of the $W\hat{3}$ Production Cross Section in Proton-Proton Collisions at $s=13$ TeV and Constraints on Effective Field Theory Coefficients. Physical Review Letters, 2021, 126, 252002.	2.9	13
877	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	13
878	Search for dark photons in decays of Higgs bosons produced in association with Z bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	13
879	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
880	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	13
881	Search for contact interactions and large extra dimensions in the dilepton mass spectra from proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.5	12
882	Search for supersymmetry in final states with two or three soft leptons and missing transverse momentum in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12

#	ARTICLE	IF	CITATIONS
883	Search for contact interactions using the inclusive jet spectrum in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
884	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	1.5	12
885	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $s = 8 \sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
886	Phenomenological MSSM interpretation of CMS searches in pp collisions at $s = 7 \sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	12
887	Search for neutral MSSM Higgs bosons decaying to $\hat{1}/4+\hat{1}/4$ in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2016, 752, 221-246.	1.5	12
888	Search for parity violating supersymmetry with displaced vertices in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2017, 772, 363-387.	1.6	12
889	Search for high-mass Z^0 resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using jet substructure techniques. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 363-387.	1.6	12
890	Measurements of differential cross sections for associated production of a W boson and jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2017, 95, .	1.6	12
891	Tracking within Hadronic Showers in the CALICE SDHCAL prototype using a Hough Transform Technique. Journal of Instrumentation, 2017, 12, P05009-P05009.	0.5	12
892	Comparing transverse momentum balance of b jet pairs in pp and PbPb collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
893	Measurement of the groomed jet mass in PbPb and pp collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
894	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
895	Search for dark matter produced in association with a Higgs boson decaying to $\hat{1}/3$ or $\hat{1}/2, +\hat{1}, \hat{1}$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	12
896	An embedding technique to determine $\hat{1}, \hat{1}$ backgrounds in proton-proton collision data. Journal of Instrumentation, 2019, 14, P06032-P06032.	0.5	12
897	Search for Higgs and Z boson decays to J/ψ or Y pairs in the four-muon final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134811.	1.5	12
898	Search for Dark Matter Particles Produced in Association with a Top Quark Pair at $\sqrt{s}=13$ TeV. Physical Review Letters, 2019, 122, 011803.	2.9	12
899	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	12
900			

#	ARTICLE	IF	CITATIONS
901	Search for heavy resonances decaying into two Higgs bosons or into a Higgs boson and a W or Z boson in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	12
902	Measurement of the average very forward energy as a function of the track multiplicity at central pseudorapidities in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 893.	1.4	12
903	Measurement of the single top quark and antiquark production cross sections in the t channel and their ratio in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and Hadron Physics, 2019, 789, 255-260.	1.5	12
904	Constraints on the Energy Loss of a Heavy Particle in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2020, 124, 111801.	1.4	12
905	Development and validation of HERWIG 7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	1.4	12
906	Measurement of prompt D0 meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2015, 115, 022301.	1.5	12
907	Measurement of the prompt D0 meson azimuthal anisotropy and search for strong electric fields in PbPb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2015, 115, 022301.	1.5	12
908	Design of a constant fraction discriminator for the VFAT3 front-end ASIC of the CMS GEM detector. Journal of Instrumentation, 2016, 11, C01023-C01023.	0.5	12
909	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	12
910	Identification of hadronic tau lepton decays using a deep neural network. Journal of Instrumentation, 2022, 17, P07023.	0.5	12
911	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	11
912	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	11
913	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 4\ell$ decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	11
914	Search for new physics in final states with a lepton and missing transverse energy in pp collisions at the LHC. Physical Review D, 2013, 87, .	1.6	11
915	Track segments in hadronic showers in a highly granular scintillator-steel hadron calorimeter. Journal of Instrumentation, 2013, 8, P09001-P09001.	0.5	11
916	Measurement of the $Z\tilde{\chi}^0_3$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
917	Search for supersymmetry in pp collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2016, 93, .	1.6	11
918	Search for electroweak production of charginos in final states with two $\tilde{\ell}$, leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11

#	ARTICLE	IF	CITATIONS
919	Search for standard model production of four top quarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 336-358.	1.5	11
920	Measurement of the semileptonic $t\bar{t} \rightarrow \ell^+ \ell^- \nu \bar{\nu}$ production cross section in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
921	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	11
922	Search for gauge-mediated supersymmetry in events with at least one photon and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 118-143.	1.5	11
923	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos and b quarks at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
924	Precision measurement of the structure of the CMS inner tracking system using nuclear interactions. Journal of Instrumentation, 2018, 13, P10034-P10034.	0.5	11
925	Search for a heavy resonance decaying to a pair of vector bosons in the lepton plus merged jet final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	11
926	Beam-helicity asymmetries for single-hadron production in semi-inclusive deep-inelastic scattering from unpolarized hydrogen and deuterium targets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134886.	1.5	11
927	Search for supersymmetry in events with a photon, jets, b -jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 444.	1.4	11
928	Search for nonresonant Higgs boson pair production in the $b\bar{b}b\bar{b}$ final state at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
929	Study of the underlying event in top quark pair production in $p\bar{p}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
930	Search for the production of four top quarks in the single-lepton and opposite-sign dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	11
931	Search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134886.	1.6	11
932	Measurement of electroweak production of a W boson in association with two jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 43.	1.4	11
933	Using Z Boson Events to Study Parton-Medium Interactions in Pb-Pb Collisions. Physical Review Letters, 2022, 128, 122301.	2.9	11
934	Construction of the first full-size GEM-based prototype for the CMS high- μ on system. , 2010, , .		10
935	Search for supersymmetry in events with a lepton, a photon, and large missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	10
936	Search for excited leptons in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 309-329.	1.5	10

#	ARTICLE	IF	CITATIONS
937	CMS Resistive Plate Chamber overview, from the present system to the upgrade phase I. Journal of Instrumentation, 2013, 8, P04005-P04005.	0.5	10
938	Shower development of particles with momenta from 1 to 10 GeV in the CALICE Scintillator-Tungsten HCAL. Journal of Instrumentation, 2014, 9, P01004-P01004.	0.5	10
939	Measurement of the underlying event activity using charged-particle jets in proton-proton collisions at $s = 2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	10
940	Preliminary results of Resistive Plate Chambers operated with eco-friendly gas mixtures for application in the CMS experiment. Journal of Instrumentation, 2016, 11, C09018-C09018.	0.5	10
941	Search for supersymmetry in the all-hadronic final state using top quark tagging in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
942	Measurements of the $pp \rightarrow W\gamma$ and $pp \rightarrow Z\gamma$ cross sections and limits on anomalous quartic gauge couplings at $s = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
943	Measurement of the inclusive energy spectrum in the very forward direction in proton-proton collisions at $s = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
944	Search for a light pseudoscalar Higgs boson produced in association with bottom quarks in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	10
945	Study of dijet events with a large rapidity gap between the two leading jets in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2018, 78, 242.	1.4	10
946	Search for Higgsino pair production in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 166-168.	1.6	10
947	Measurement of the $\sigma(\text{Z}/\gamma^* \rightarrow \mu\mu)$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{Z}/\gamma^* \rightarrow \mu\mu)$. European Physical Journal C, 2018, 78, 708.	1.4	10
948	Search for a heavy resonance decaying into a Z boson and a vector boson in the $pp \rightarrow \overline{u}q\overline{q}u$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
949	Search for supersymmetry with Higgs boson to diphoton decays using the razor variables at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 166-168.	1.6	10
950	Search for vectorlike light-flavor quark partners in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 97, 114017.	1.6	10
951	Search for the production of $Z/\gamma^* \rightarrow \mu\mu$ events at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 130-132.	1.6	10
952	Search for resonances decaying to a pair of Higgs bosons in the $pp \rightarrow \overline{q}q\overline{q}q$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	10
953	Measurement of differential cross sections for Z boson pair production in association with jets at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 130-132.	1.6	10
954	Strange hadron production in pp and pPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2020, 101, 014907.	1.1	10

#	ARTICLE	IF	CITATIONS
955	Measurement of the associated production of a Z boson with charm or bottom quark jets in proton-proton collisions at $s=13$ TeV. Physical Review D, 2020, 102, .	1.6	10
956	Measurement of the top quark Yukawa coupling from kinematic distributions in the dilepton final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2020, 102, .	1.6	10
957	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 128, .	1.6	10
958	Evidence for $\text{sextet } W$ production from double-parton interactions in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	10
959	Towards portable muography with small-area, gas-tight glass Resistive Plate Chambers. Journal of Instrumentation, 2020, 15, C10032-C10032.	0.5	10
960	Search for heavy resonances decaying to W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 128, .	1.6	10
961	Search for flavor-changing neutral currents in the top quark and Higgs boson in final states with two photons in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 128, .	2.9	10
962	Publisher's Note: Search for Dijet Resonances in 7-TeV Collisions at CMS [Phys. Rev. Lett.105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	2.9	9
963	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $q\bar{q}$ channel in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 710, 1208-1220.	1.5	9
964	Search for supersymmetry in final states with a single lepton, b-quark jets, and missing transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2013, 87, .	1.6	9
965	The HERMES recoil detector. Journal of Instrumentation, 2013, 8, P05012-P05012.	0.5	9
966	Transverse polarization of hyperons from quasireal photoproduction on nuclei. Physical Review D, 2014, 90, .	1.6	9
967	Search for parity-violating supersymmetry in R -parity-violating supersymmetry in p -collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2022, 128, .	1.6	9
968	High rate, fast timing Glass RPC for the high \hat{p}_T CMS muon detectors. Journal of Instrumentation, 2016, 11, C09006-C09006.	0.5	9
969	Inclusive search for supersymmetry using razor variables in pp collisions at $s=13$ TeV. Physical Review D, 2017, 95, .	1.6	9
970	Measurement of the mass difference between top quark and antiquark in pp collisions at $\sqrt{s}=8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 50-71.	1.5	9
971	Search for resonances in the mass spectrum of muon pairs produced in association with b quark jets in proton-proton collisions at $\sqrt{s}=8$ and 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9
972	Search for lepton-flavor violating decays of heavy resonances and quantum black holes to $e\gamma$ final states in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
973	Azimuthal correlations for inclusive 2-jet, 3-jet, and 4-jet events in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 1.	1.4	9
974	Search for a heavy resonance decaying to a top quark and a vector-like top quark in the lepton + jets final state in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.4	9
975	Search for a low-mass \tilde{t}, \tilde{b} resonance in association with a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	9
976	Pseudorapidity distributions of charged hadrons in xenon-xenon collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 112301.	1.5	9
977	Search for a heavy resonance decaying to a top quark and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	2.9	9
978	Multiparticle correlation studies in $\sqrt{s} = 13$ TeV. Physical Review C, 2020, 101, .	1.1	9
979	Search for a heavy vector resonance decaying to a Z boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	1.4	9
980	Search for $W\tilde{t}$ bosons decaying to a top and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136535.	1.5	9
981	Reconstruction of signal amplitudes in the CMS electromagnetic calorimeter in the presence of overlapping proton-proton interactions. Journal of Instrumentation, 2020, 15, P10002-P10002.	0.5	9
982	Measurement of the Inclusive and Differential Higgs Boson Production Cross Sections in the Decay Mode to a Pair of \tilde{t}, \tilde{b} Leptons in $\sqrt{s} = 13$ TeV. Physical Review Letters, 2021, 126, 111801.	2.9	9
983	Search for a heavy resonance decaying to a top quark and a bottom quark in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 1.	1.5	8
984	Beam test results for new full-scale GEM prototypes for a future upgrade of the CMS high-luminosity Muon System. , 2012, , .		8
985	Uniformity and stability of the CMS RPC detector at the LHC. Journal of Instrumentation, 2013, 8, P03017-P03017.	0.5	8
986	Status of the Triple-GEM project for the upgrade of the CMS Muon System. Journal of Instrumentation, 2013, 8, C12031-C12031.	0.5	8
987	The upgrade of the CMS RPC system during the first LHC long shutdown. Journal of Instrumentation, 2013, 8, T02002-T02002.	0.5	8
988	Search for supersymmetry in events with one lepton and multiple jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2017, 95, .	1.6	8
989	Searches for $W\tilde{t}$ bosons decaying to a top quark and a bottom quark in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	8
990	Search for a heavy composite Majorana neutrino in the final state with two leptons and two quarks at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 775, 315-337.	1.6	8

#	ARTICLE	IF	CITATIONS
991	Pseudorapidity distributions of charged hadrons in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ and 8.16 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
992	Pseudorapidity and transverse momentum dependence of flow harmonics in p and $PbPb$ collisions. Physical Review C, 2018, 98, .	1.1	8
993	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $2q$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	8
994	Search for pair production of excited top quarks in the lepton + jets final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 349-370.	1.5	8
995	Search for supersymmetry in final states with photons and missing transverse momentum in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
996	Azimuthal separation in nearly back-to-back jet topologies in inclusive 2- and 3-jet events in $\{pp\}$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 773.	1.4	8
997	Measurement of inclusive very forward jet cross sections in proton-lead collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	8
998	Probing the chiral magnetic wave in p and $PbPb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV using charge-dependent azimuthal correlations. Physical Review Letters, 2019, 123, 112301.	1.1	8
999	Search for long-lived particles decaying to jets with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.5	8
1000	Search for long-lived particles decaying to jets with displaced vertices in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	8
1001	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
1002	Construction and performance of large-area triple-GEM prototypes for future upgrades of the CMS forward muon system. , 2011, , .		7
1003	Search for the standard model Higgs boson produced in association with W and Z bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	7
1004	Measurement of neutral strange particle production in the underlying event in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	1.6	7
1005	Measurement of the production cross section of the Higgs boson in association with a Z boson in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 88, .	0.7	7
1006	CMS Collaboration. Nuclear Physics A, 2014, 932, 595-620.	0.6	7
1007	Production of leading charged particles and leading charged-particle jets at small transverse momenta in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	1.6	7
1008	Search for supersymmetry with photons in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2015, 92, .	1.6	7

#	ARTICLE	IF	CITATIONS
1009	Quality control and beam test of GEM detectors for future upgrades of the CMS muon high rate region at the LHC. Journal of Instrumentation, 2015, 10, C03039-C03039.	0.5	7
1010	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
1011	R&D on a new type of micropattern gaseous detector: The Fast Timing Micropattern detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 313-317.	0.7	7
1012	Search for leptophobic $Z\tilde{\chi}^0$ bosons decaying into four-lepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 563-584.	1.5	7
1013	Ratios of helicity amplitudes for exclusive $\gamma^* \rightarrow \pi^0$ electroproduction on transversely polarized protons. European Physical Journal C, 2017, 77, 1.	1.4	7
1014	Search for high-mass $Z\tilde{\chi}^0$ resonances in $e^+e^- \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$ and $\tilde{\chi}^0 \tilde{\chi}^0 \rightarrow \tilde{\chi}^0 \tilde{\chi}^0$ final states in proton-proton collisions at $\sqrt{s} = 8$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7
1015	Study of Thin Double-Gap RPCs for the CMS Muon System. Journal of the Korean Physical Society, 2018, 73, 1080-1087.	0.3	7
1016	Search for excited quarks of light and heavy flavor in $\tilde{q}\tilde{q}^*$ jet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 390-411.	1.5	7
1017	Longitudinal double-spin asymmetries in semi-inclusive deep-inelastic scattering of electrons and positrons by protons and deuterons. Physical Review D, 2019, 99, .	1.6	7
1018	Search for the associated production of the Higgs boson and a vector boson in proton-proton collisions at $\sqrt{s} = 13$ TeV via Higgs boson decays to $\tilde{\chi}^0$, leptons. Journal of High Energy Physics, 2019, 2019, 1.	1.6	7
1019	The CMS RPC detector performance and stability during LHC RUN-2. Journal of Instrumentation, 2019, 14, C11012-C11012.	0.5	7
1020	Study of central exclusive "Equation missing" \rightarrow production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
1021	Evidence for Top Quark Production in Nucleus-Nucleus Collisions. Physical Review Letters, 2020, 125, 222001.	2.9	7
1022	Measurement of differential $t\bar{t}$ production cross sections using top quarks at large transverse momenta in pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	1.6	7
1023	Search for Exclusive Diphoton Production at High Mass with Tagged Protons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 129, .	2.9	7
1024	Measurement of the cross section for production of $\tilde{b} \rightarrow b \chi^0$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	6
1025	Search for jet extinction in the inclusive jet- $\tilde{t}\bar{t}$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.5	6
1026	Search for jet extinction in the inclusive jet- $\tilde{t}\bar{t}$ production. Physical Review D, 2014, 90, .	1.6	6

#	ARTICLE	IF	CITATIONS
1027	Comparison of the $Z/\hat{\alpha}^- + \text{jets}$ to $\hat{\alpha}^3 + \text{jets}$ cross sections in pp collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
1028	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2015, 75, 302.	1.4	6
1029	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 757, 6-31.	1.5	6
1030	$\hat{\alpha}(nS)$ polarizations versus particle multiplicity in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 31-52.	1.5	6
1031	Search for R-parity violating decays of a top squark in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 178-201.	1.5	6
1032	Search for supersymmetry in electroweak production with photons and large missing transverse energy in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 479-500.	1.5	6
1033	Measurement of the mass of the top quark in decays with a J/ψ meson in pp collisions at 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	6
1034	Pseudorapidity dependence of long-range two-particle correlations in pp collisions at $\sqrt{s} = 5.02 \text{ TeV}$. Physical Review C, 2017, 96.	1.1	6
1035	Search for supersymmetry in events with at least three electrons or muons, jets, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	6
1036	Centrality and pseudorapidity dependence of the transverse energy density in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review C, 2019, 100, .	1.1	6
1037	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 76-99.	1.5	6
1038	Measurement of the top quark Yukawa coupling from $t\bar{t}$ kinematic distributions in the lepton+jets final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review D, 2019, 100, .	1.6	6
1039	Search for supersymmetry in events with a photon, a lepton, and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	6
1040	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2019, 79, 969.	1.4	6
1041	Search for triple resonances using events with three jets in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 118-124.	1.5	6
1042	Search for Supersymmetry with a Compressed Mass Spectrum in Events with a Soft Lepton, a Highly Energetic Jet, and Large Missing Transverse Momentum in Proton-Proton Collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2020, 124, 041803.	2.9	6
1043	Search for dark matter in events with a leptoquark and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 118-124.	1.5	6
1044	Performance of the CMS muon trigger system in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of Instrumentation, 2021, 16, P07001.	0.5	6

#	ARTICLE	IF	CITATIONS
1045	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
1046	Observation of the $\hat{b}0\hat{t}^{\prime}/\hat{t}\hat{t}^{\prime}$ decay in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135203.	1.5	6
1047	Measurements of the Electroweak Diboson Production Cross Sections in Proton-Proton Collisions at $\sqrt{s}=13\text{TeV}$ Using Leptonic Decays. Physical Review Letters, 2021, 127, 191801.	2.9	6
1048	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
1049	A new calibration method for charm jet identification validated with proton-proton collision events at $\sqrt{s}=13\text{TeV}$. Journal of Instrumentation, 2022, 17, P03014.	0.5	6
1050	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s}=13\text{TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
1051	Virtual compton scattering and polarizabilities. Progress in Particle and Nuclear Physics, 2000, 44, 371-389. Search for contact interactions in $\sqrt{s}=13\text{TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	5.6	5
1052	Search for contact interactions in $\sqrt{s}=13\text{TeV}$ proton-proton collisions. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
1053	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s}=7\text{TeV}$. Physical Review D, 2015, 91, .	1.6	5
1054	Transverse-target-spin asymmetry in exclusive Ω -meson electroproduction. European Physical Journal C, 2015, 75, 1.	1.4	5
1055	Radiation background with the CMS RPCs at the LHC. Journal of Instrumentation, 2015, 10, C05031-C05031.	0.5	5
1056	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
1057	Studies of inclusive four-jet production with two b-tagged jets in proton-proton collisions at $\sqrt{s}=7\text{TeV}$. Physical Review D, 2016, 94, .	1.6	5
1058	Radiation tests of real-sized prototype RPCs for the Phase-2 Upgrade of the CMS Muon System. Journal of Instrumentation, 2016, 11, C08008-C08008.	0.5	5
1059	Resistive Plate Chamber digitization in a hadronic shower environment. Journal of Instrumentation, 2016, 11, P06014-P06014.	0.5	5
1060	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s}=8\text{TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
1061			

#	ARTICLE	IF	CITATIONS
1063	Search for a heavy resonance decaying to a top quark and a vector-like top quark at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	5
1064	Measurement of the inclusive $\sigma(\text{t}\bar{\text{t}})$ cross section in pp collisions at $\sqrt{s} = 5.02 \text{ TeV}$ using final states with at least one charged lepton. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
1065	Search for new phenomena in final states with two opposite-charge, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	5
1066	Observation of the $Z \rightarrow \tau^+ \tau^-$, $Z \rightarrow \mu^+ \mu^-$ Decay in pp Collisions at $s = 13 \text{ TeV}$. Physical Review Letters, 2018, 124, 1418015	1.6	5
1067	Search for a $W \rightarrow e^+ e^-$ boson decaying to a vector-like quark and a top or bottom quark in the all-jets final state. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
1068	Search for the pair production of light top squarks in the $e^+ e^- \rightarrow t \bar{t}$ final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5
1069	Search for pair-produced three-jet resonances in proton-proton collisions at $s = 13 \text{ TeV}$. Physical Review D, 2019, 99, .	1.6	5
1070	Performance of prototype GE1 chambers for the CMS muon spectrometer upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 972, 164104.	0.7	5
1071	Front-end electronics for CMS iRPC detectors. Journal of Instrumentation, 2021, 16, C05002.	0.5	5
1072	Constraints on the Initial State of Pb-Pb Collisions via Measurements of Z -Boson Yields and Azimuthal Anisotropy at $\sqrt{s} = 2.76 \text{ TeV}$ using dileptonic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physical Review Letters, 2021, 127, 162002.	2.9	5
1073	Search for pair production with additional charm jets using dileptonic final states in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle Physics, 2021, 807, 256002.	1.5	5
1074	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.5	5
1075	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8, 13, 14 \text{ TeV}$ with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	1.4	5
1076	Improved-RPC for the CMS muon system upgrade for the HL-LHC. Journal of Instrumentation, 2020, 15, C11012-C11012.	0.5	5
1077	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
1078	Observation of $B \rightarrow D^* \mu^+ \mu^-$ mesons and measurement of the $B \rightarrow D^* \mu^+ \mu^-$ branching fraction. Physical Review Letters, 2022, 128, 111801.	1.5	5
1079	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$ collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
1080	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5

#	ARTICLE	IF	CITATIONS
1081	Search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
1082	Precision measurement of the W boson decay branching fractions in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2022, 105.	1.6	5
1083	Probing Charm Quark Dynamics via Multiparticle Correlations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2022, 129.	2.9	5
1084	An overview of the design, construction and performance of large area triple-GEM prototypes for future upgrades of the CMS forward muon system. Journal of Instrumentation, 2012, 7, C05008-C05008.	0.5	4
1085	Resistive plate chambers for 2013-2014 muon upgrade in CMS at LHC. Journal of Instrumentation, 2014, 9, C10033-C10033.	0.5	4
1086	Beam-helicity asymmetry in associated electroproduction of real photons $e^+e^- \rightarrow \gamma^* \rightarrow \gamma e^+e^-$ in the $\tilde{\nu}$ -resonance region. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
1087	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
1088	A study of film and foil materials for the GEM detector proposed for the CMS muon system upgrade. Journal of Instrumentation, 2014, 9, C04022-C04022.	0.5	4
1089	Development of the data acquisition system for the Triple-GEM detectors for the upgrade of the CMS forward muon spectrometer. Journal of Instrumentation, 2014, 9, C03052-C03052.	0.5	4
1090	Studies on the upgrade of the muon system in the forward region of the CMS experiment at LHC with GEMs. Journal of Instrumentation, 2014, 9, C01053-C01053.	0.5	4
1091	Measurement of the differential cross sections for top quark pair production as a function of kinematic event variables in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physical Review D, 2016, 94, .	1.6	4
1092	Search for dark matter particles in proton-proton collisions at $\sqrt{s} = 8$ TeV using the razor variables. Journal of High Energy Physics, 2016, 2016, 1.	1.6	4
1093	Search for CP violation in $t\bar{t}$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
1094	Measurement of differential cross sections in the kinematic angular variable $\tilde{\phi}^*$ for inclusive Z boson production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
1095	Search for ZZ resonances in the $2\gamma, 2\ell^{1/2}$ final state in proton-proton collisions at 13 TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
1096	Event shape variables measured using multijet final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	4
1097	Long-term performance and longevity studies of the CMS Resistive Plate Chambers. Journal of Instrumentation, 2018, 13, P08024-P08024.	0.5	4
1098	Search for Pair-Produced Resonances Each Decaying into at Least Four Quarks in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2018, 121, 141802.	2.9	4

#	ARTICLE	IF	CITATIONS
1099	Search for supersymmetry in events with one lepton and multiple jets exploiting the angular correlation between the lepton and the missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 789, 292-300.	1.5	4
1100	Search for resonant production of second-generation sleptons with same-sign dimuon events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 305.	1.4	4
1101	Search for W Boson Decays to Three Charged Pions. Physical Review Letters, 2019, 122, 151802.	2.9	4
1102	Measurement of $B_c(2S)^+$ and $B_c^*(2S)^+$ cross section ratios in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2020, 102, .	1.6	4
1103	Search for top squarks in final states with two top quarks and several light-flavor jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, .	1.6	4
1104	Search for supersymmetry using Higgs boson to diphoton decays at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	4
1105	Fragmentation of jets containing a prompt J/ψ meson in PbPb and pp collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136842.	1.5	4
1106	Measurement of W differential cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV and effective field. Physical Review D, 2022, 105, .	1.6	4
1107	Search for higgsinos decaying to two Higgs bosons and missing transverse momentum in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	4
1108	Alpha-cluster knockout in the $^{16}\text{O}(e,e^{\pm})^{12}\text{C}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 513, 258-264.	1.5	3
1109	Test beam results of the GE1/1 prototype for a future upgrade of the CMS high- μ on system. , 2011, , .		3
1110	Development and performance of large scale triple GEM for CMS. Journal of Instrumentation, 2013, 8, C11017-C11017.	0.5	3
1111	Study of hadronic event-shape variables in multijet final states in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	3
1112	Performance of a large-area GEM detector prototype for the upgrade of the CMS muon endcap system. , 2014, , .		3
1113	R&D towards the CMS RPC Phase-2 upgrade. Journal of Instrumentation, 2016, 11, C09017-C09017.	0.5	3
1114	Search for $W \rightarrow tb$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	3
1115	Observation of the decay $B^+ \rightarrow T(2S) \bar{K}^0$ in pp collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 764, 66-86.		3
1116	Overview of large area triple-GEM detectors for the CMS forward muon upgrade. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 845, 298-303.	0.7	3

#	ARTICLE	IF	CITATIONS
1117	Search for top quark partners with charge 5/3 in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
1118	Operational Experience With the GEM Detector Assembly Lines for the CMS Forward Muon Upgrade. IEEE Transactions on Nuclear Science, 2018, 65, 2808-2816.	1.2	3
1119	Inclusive search for supersymmetry in pp collisions at $\sqrt{s} = 13$ TeV using razor variables and boosted object identification in zero and one lepton final states. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
1120	Search for excited leptons in $\tilde{\nu}_\tau, \tilde{\nu}_\tau^*$ final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
1121	Search for Narrow H^{\pm} Resonances in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2019, 122, 081804.	2.9	3
1122	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	0.5	3
1123	Search for the rare decay of the W boson into a pion and a photon in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters Section B: Nuclear, Particle and High Energy Physics, 2021, 832, 135457.	1.5	3
1124	Hard color-singlet exchange in dijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2021, 104, 074011.	1.6	3
1125	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.		3
1126	Study of the $B^0 \rightarrow \mu^+ \mu^- \gamma$ decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	3
1127	Measurements of the $p\bar{p} \rightarrow Z\gamma$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.		3
1128	Search for strongly interacting massive particles generating trackless jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 213.	1.4	3
1129	Observation of the B_c^0 meson in Pb-Pb and pp collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2022, 128, 021801.	2.9	3
1130	The first virtual Compton scattering experiment at MAMI. Nuclear Physics A, 2000, 666-667, 44-47.	0.6	2
1131	Resistive Plate Chambers performance with Cosmic Rays in the CMS experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 617, 180-182.	0.7	2
1132	CMS RPC muon detector performance with 2010-2012 LHC data. Journal of Instrumentation, 2014, 9, C12016-C12016.	0.5	2
1133	Charged particle detection performance of Gas Electron Multiplier (GEM) detectors for the upgrade of CMS endcap muon system at the CERN LHC. Journal of Instrumentation, 2015, 10, P03001-P03001.		2
1134	Fiber Bragg Grating (FBG) sensors as flatness and mechanical stretching sensors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 493-495.	0.7	2

#	ARTICLE	IF	CITATIONS
1135	The Triple GEM Detector Control System for CMS forward muon spectrometer upgrade. Journal of Instrumentation, 2017, 12, P02003-P02003.	0.5	2
1136	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 1.	1.4	2
1137	Fast timing measurement for CMS RPC Phase-II upgrade. Journal of Instrumentation, 2018, 13, C09001-C09001.	0.5	2
1138	A novel application of Fiber Bragg Grating (FBG) sensors in MPPGD. EPJ Web of Conferences, 2018, 174, 03002.	0.1	2
1139	RE3/1 & RE4/1 RPC chambers integration in the inner region of the forward muon spectrometer in the CMS experiment. Journal of Instrumentation, 2019, 14, C10027-C10027.	0.5	2
1140	R&D of a real-size mosaic MRPC within the framework of the CMS muon upgrade. Journal of Instrumentation, 2019, 14, C10042-C10042.	0.5	2
1141	Measurement of the top quark pair production cross section in dilepton final states containing one \bar{l} , lepton in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
1142	A portable muon telescope for exploration geophysics in confined environments. , 2021, , .		2
1143	Measurements of angular distance and momentum ratio distributions in three-jet and Z + two-jet final states in pp collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
1144	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8$ TeV. , 2013, 2013, 1.		2
1145	Particle identification using Boosted Decision Trees in the Semi-Digital Hadronic Calorimeter prototype. Journal of Instrumentation, 2020, 15, P10009-P10009.	0.5	2
1146	Search for a heavy resonance decaying into a top quark and a W boson in the lepton+jets final state at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
1147	Measurement of the inclusive $\overline{t}t$ production cross section in proton-proton collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	2
1148	Search for heavy resonances decaying to a pair of Lorentz-boosted Higgs bosons in final states with leptons and a bottom quark pair at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2022, 2022, .	1.6	2
1149	Measurement of the production cross section for $Zb\bar{b}$ jets in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2022, 105, .	1.6	2
1150	Virtual compton scattering under $\bar{l}e0$ threshold at $Q^2=0.33$ GeV ² . Preliminary results. Nuclear Physics A, 1999, 654, 547c-551c.	0.6	1
1151	The first dedicated virtual compton scattering experiment at MAMI. Nuclear Physics A, 2000, 663-664, 389c-392c.	0.6	1
1152	THE CMS RPC SYSTEM OVERVIEW. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
1153	Gas flow simulations for gaseous detectors. , 2010, , .		1
1154	CMS RPC tracker muon reconstruction. Journal of Instrumentation, 2014, 9, C10027-C10027.	0.5	1
1155	CMS Collaboration. Nuclear Physics A, 2014, 931, 1241-1265.	0.6	1
1156	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
1157	Bose-Einstein correlations in hadron-pairs from lepto-production on nuclei ranging from hydrogen to xenon. European Physical Journal C, 2015, 75, 1.	1.4	1
1158	Pentaquark $\hat{\pi}^+$ search at HERMES. Physical Review D, 2015, 91, .	1.6	1
1159	Status report of the upgrade of the CMS muon system with Triple-GEM detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 521-525.	0.7	1
1160	CMS Collaboration. Nuclear Physics A, 2017, 967, 965-982.	0.6	1
1161	Quality control for the first large areas of triple-GEM chambers for the CMS endcaps. EPJ Web of Conferences, 2018, 174, 03003.	0.1	1
1162	High voltage calibration method for the CMS RPC detector. Journal of Instrumentation, 2019, 14, C09046-C09046.	0.5	1
1163	Longevity studies on the CMS-RPC system. Journal of Instrumentation, 2019, 14, C05012-C05012.	0.5	1
1164	Search for Physics beyond the Standard Model in Events with Overlapping Photons and Jets. Physical Review Letters, 2019, 123, 241801.	2.9	1
1165	RPC upgrade project for CMS Phase II. Journal of Instrumentation, 2020, 15, C05072-C05072.	0.5	1
1166	Search for top squark pair production in a final state with two tau leptons in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	1
1167	Research and development of the back-end electronics for the two-dimensional improved resistive plate chambers in CMS upgrade. Radiation Detection Technology and Methods, 2021, 5, 181-191.	0.4	1
1168	Correlations of azimuthal anisotropy Fourier harmonics with subevent cumulants in pPb collisions at $\sqrt{s_{NN}}=8.16 \text{ TeV}$. Physical Review C, 2021, 103, .	1.1	1
1169	Upgrade of the muon system in the high eta region of the CMS experiment at LHC with GEMs. , 2014, , .		1
1170	Upgrade of the CMS resistive plate chambers for the high luminosity LHC. Journal of Instrumentation, 2022, 17, C01011.	0.5	1

#	ARTICLE	IF	CITATIONS
1171	Search for $W\tilde{\chi}^3$ resonances in proton-proton collisions at $\sqrt{s}=13$ TeV using hadronic decays of Lorentz-boosted W bosons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 826, 136888.	1.5	1
1172	Study of dijet events with large rapidity separation in proton-proton collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	1
1173	Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{charm}}$ and $B^0_{\text{charm}} \rightarrow \psi(2S)K^0_{\text{charm}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
1174	Particle identification with the HERMES RICH. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 433, 286-288.	0.7	0
1175	RECENT HERMES RESULTS ON MESON PRODUCTION. International Journal of Modern Physics A, 2005, 20, 417-426.	0.5	0
1176	RECENT HERMES RESULTS ON MESON PRODUCTION. International Journal of Modern Physics A, 2005, 20, 1680-1685.	0.5	0
1177	Exclusive meson production at HERMES. European Physical Journal A, 2007, 31, 451-453.	1.0	0
1178	High-rate glass resistive plate chambers for LHC muon detectors upgrade. , 2012, , .		0
1179	Simulation of the CMS Resistive Plate Chambers. Journal of Instrumentation, 2013, 8, P03001-P03001.	0.5	0
1180	Web-based monitoring tools for Resistive Plate Chambers in the CMS experiment at CERN. Journal of Instrumentation, 2014, 9, C10031-C10031.	0.5	0
1181	CMS RPC commissioning of the existing detector during the long shutdown. Journal of Instrumentation, 2014, 9, C10043-C10043.	0.5	0
1182	Status report on the CMS forward muon upgrade with large-size triple-GEM detectors. , 2014, , .		0
1183	Performance of the gas gain monitoring system of the CMS RPC muon detector. Journal of Instrumentation, 2015, 10, C01003-C01003.	0.5	0
1184	CMS muon system phase 2 upgrade with triple-GEM detectors. , 2015, , .		0
1185	Detector control system and efficiency performance for CMS RPC at GIF++. Journal of Instrumentation, 2016, 11, C10013-C10013.	0.5	0
1186	Mechanical stability of the CMS strip tracker measured with a laser alignment system. Journal of Instrumentation, 2017, 12, P04023-P04023.	0.5	0
1187	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	0
1188	High Rate RPC detector for LHC. Journal of Instrumentation, 2019, 14, C10037-C10037.	0.5	0

#	ARTICLE	IF	CITATIONS
1189	CMS RPC efficiency measurement using the tag-and-probe method. Journal of Instrumentation, 2019, 14, C10020-C10020.	0.5	0
1190	Search for Heavy Stable Charged Particles in the CMS Experiment using the RPC Phase II upgraded detectors. Journal of Instrumentation, 2019, 14, C11011-C11011.	0.5	0
1191	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135183.	1.5	0
1192	NEW RESULTS FROM HERMES. , 2004, , .		0
1193	A DEDICATED BEAM TESTS OF THE FULL-SCALE PROTOTYPE OF GEMS FOR CMS IN A STRONG MAGNETIC FIELD. Astroparticle, Particle, Space Physics, Radiation Interaction, Detectors and Medical Physics Applications, 2012, , 732-737.	0.1	0
1194	Real and Virtual Compton Scattering (experiments). Few-Body Systems, 1999, , 316-326.	0.2	0
1195	Energy reconstruction of hadronic showers at the CERN PS and SPS using the Semi-Digital Hadronic Calorimeter. Journal of Instrumentation, 2022, 17, P07017.	0.5	0
1196	Search for heavy resonances decaying to $Z\gamma$. Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137263.		
1197	Search for heavy resonances decaying to $Z\gamma$. Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137263.	1.5	0