

Oscar Gonzalez Lopez

List of Publications by Year in descending order

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Version: 2024-02-01

469
papers

26,168
citations

6233

80
h-index

11030

137
g-index

470
all docs

470
docs citations

470
times ranked

10390
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined Measurement of the Higgs Boson Mass in pp Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. <i>Physical Review Letters</i> , 2015, 114, 191803.	2.9	1,062
2	CMS Physics Technical Design Report, Volume II: Physics Performance. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, 995-1579.	1.4	683
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. <i>European Physical Journal C</i> , 2015, 75, 212.	1.4	541
4	Determination of jet energy calibration and transverse momentum resolution in CMS. <i>Journal of Instrumentation</i> , 2011, 6, P11002-P11002.	0.5	508
5	Event generator tunes obtained from underlying event and multiparton scattering measurements. <i>European Physical Journal C</i> , 2016, 76, 155.	1.4	499
6	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	497
7	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. <i>Journal of Instrumentation</i> , 2012, 7, P10002-P10002.	0.5	467
8	Identification of b-quark jets with the CMS experiment. <i>Journal of Instrumentation</i> , 2013, 8, P04013-P04013.	0.5	418
9	Observation of the rare $B_s \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. <i>Nature</i> , 2015, 522, 68-72.	13.7	390
10	Description and performance of track and primary-vertex reconstruction with the CMS tracker. <i>Journal of Instrumentation</i> , 2014, 9, P10009-P10009.	0.5	380
11	Study of high-p _T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ – 2.76 TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	369
12	Observation of the diphoton decay of the Higgs boson and measurement of its properties. <i>European Physical Journal C</i> , 2014, 74, 3076.	1.4	342
13	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	320
14	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ and 8 TeV. <i>European Physical Journal C</i> , 2015, 75, 235.	1.4	320
15	Measurement of the $B \rightarrow \mu^+ \mu^-$ branching fraction and search for $B \rightarrow \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2012, 109, 222301.	2.9	282
16	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. <i>European Physical Journal C</i> , 2014, 74, 3036.	1.4	241
17	Transverse-momentum and pseudorapidity distributions of charged hadrons in pp collisions at $\sqrt{s} = 0.9$ and 2.36 TeV. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	1.6	230
18	Observation of Sequential $\mu^+ \mu^-$ Suppression in PbPb Collisions. <i>Physical Review Letters</i> , 2012, 109, 222301.	2.9	220

#	ARTICLE	IF	CITATIONS
19	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	2.9	208
20	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
21	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
22	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
23	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
24	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
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37	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
38	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
39	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
40	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
41	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
42	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
43	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
44	Measurement of the top quark forward-backward production asymmetry and its dependence on event kinematic properties. Physical Review D, 2013, 87, .	1.6	122
45	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	1.4	120
46	The performance of the CMS muon detector in proton-proton collisions at $\sqrt{s} = 7$ TeV at the LHC. Journal of Instrumentation, 2013, 8, P11002-P11002.	0.5	119
47	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
48	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
49	Evidence for the direct decay of the 125 GeV Higgs boson to fermions. Nature Physics, 2014, 10, 557-560.	6.5	114
50	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, 106, 231801.	2.9	108
51	Observation of Charge-Dependent Mutual Correlations in pp Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	2.9	107
52	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
53	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
54	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	0.5	102

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55	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
56	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
57	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
58	Higgs boson studies at the Tevatron. Physical Review D, 2013, 88, .	1.6	98
59	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	97
60	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	95
61	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
62	Performance of the CMS missing transverse momentum reconstruction in pp data at $\sqrt{s} = 8$ TeV. Journal of Instrumentation, 2015, 10, P02006-P02006.	0.5	93
63	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
64	Performance of τ, q -lepton reconstruction and identification in CMS. Journal of Instrumentation, 2012, 7, P01001-P01001.	0.5	91
65	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
66	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
67	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
68	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
69	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
70	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
71	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
72	Reconstruction and identification of τ, μ lepton decays to hadrons and $\tau \rightarrow \mu \nu_{\tau}$ at CMS. Journal of Instrumentation, 2016, 11, P01019-P01019.	0.5	85

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73	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
74	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
75	Measurement of the differential cross section and charge asymmetry for inclusive $\{p\} \rightarrow \{W\}^{\pm} + X$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
76	Measurement of prompt and nonprompt charmonium suppression in $\sqrt{s} = 5.02$ TeV PbPb collisions. European Physical Journal C, 2018, 78, 509.	1.4	83
77	Suppression and azimuthal anisotropy of prompt and nonprompt J/ψ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
78	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
79	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
80	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
81	Study of Z Boson Production in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80
82	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
83	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	1.4	78
84	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77
85	Search for Top-Quark Partners with Charge $\pm 5/3$ in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	2.9	76
86	Study of exclusive two-photon production of $W+W^*$ in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
87	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
88	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
89	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
90	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

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91	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
92	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s}=13$, ext {TeV} s . European Physical Journal C, 2020, 80, 3.	1.4	70
93	Measurement of the $\overline{\text{t}}\text{t}$ 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
94	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, .	1.6	69
95	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
96	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	68
97	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
98	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
99	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
100	Measurement of the $\overline{\text{t}}\text{t}$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
101	Combination of CDF and DØ W -Boson mass measurements. Physical Review D, 2013, 88, .	1.6	66
102	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
103	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
104	Observation of a New Λ_b Baryon. Physical Review Letters, 2012, 108, 252002.	2.9	65
105	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s}=7$, ext {TeV} $s = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	1.4	65
106	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
107	Search for a New Charged Higgs Boson in Top Quark Decays in pp Collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 3129.	2.9	64
108	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$, ext {TeV} $s = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64

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109	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. <i>Physical Review Letters</i> , 2012, 108, 111801.	2.9	63
110	Search for electroweak production of charginos and neutralinos in multilepton final states in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	63
111	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. <i>Physical Review Letters</i> , 2012, 109, 152303.	2.9	62
112	Measurement of the $W+W\tilde{a}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\tilde{f}^3$ and WWZ couplings. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	62
113	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s}=8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 13.	1.4	62
114	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	62
115	Measurement of the inelastic proton-proton cross section at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	62
116	Measurement of the B^0 Production Cross Section in pp Collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	2.9	61
117	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	61
118	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, 1.	1.4	60
119	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	0.5	59
120	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03009-T03009.	0.5	59
121	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
122	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
123	Studies of jet mass in dijet and W/Z + jet events. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	58
124	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
125	Measurement of the weak mixing angle using the forward-backward asymmetry of Drell-Yan events in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2018, 78, 701.	1.4	58
126	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03014-T03014.	0.5	57

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145	Search for exclusive or semi-exclusive $\hat{t}\hat{t}^3$ 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
146	Study of orbitally excited B mesons and evidence for a new resonance. Physical Review D, 2014, 90, .	1.6	51
147	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
148	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
149	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, 2011, 107, 1501802.	1.6	50
150	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
151	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
152	Search for leptonic decays of $W^{\pm 2}$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	49
153	Measurement of pseudorapidity distributions of charged particles in proton-proton collisions at $\sqrt{s} = 8$ TeV by the CMS and TOTEM experiments. European Physical Journal C, 2014, 74, 1.	1.4	49
154	Observation of $Y(1S)$ pair production in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
155	Search for Supersymmetry in pp Collisions at $\sqrt{s}=7$ TeV in Events with Two Photons and Missing Transverse Energy. Physical Review Letters, 2011, 106, 211802.	2.9	47
156	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. Journal of High Energy Physics, 2013, 2013, 1.	1.6	47
157	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. Journal of High Energy Physics, 2013, 2013, 1.	2.9	47
158	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
159	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
160	Search for disappearing tracks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	46
161	Search for third-generation scalar leptoquarks decaying to a top quark and a τ lepton at $\sqrt{s}=13$ TeV. European Physical Journal C, 2018, 78, 707.	1.4	46
162	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	45

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163	Search for Top Squark and Higgsino Production Using Diphoton Higgs Boson Decays. Physical Review Letters, 2014, 112, 161802.	2.9	45
164	Tevatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:mi} \rangle V \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle t \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle$ Physical Review Letters, 2015, 115, 152003.	2.9	45
165	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	44
166	Search for a light charged Higgs boson decaying to $c \bar{s}$ in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2015, 2015, 1-37.	1.6	44
167	Search for decays of stopped long-lived particles produced in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 151.	1.4	44
168	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
169	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	1.6	43
170	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
171	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
172	Evidence for exclusive $\tilde{\chi}_1^0 \tilde{\chi}_1^0 W + W \tilde{\chi}_1^0$ production and constraints on anomalous quartic gauge couplings in pp collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	42
173	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
174	Measurement of the $t\bar{t}\tilde{A}^-$ production cross section in the $e\bar{\nu}_e$ channel in proton-proton collisions at $\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	41
175	Measurement of the $t\bar{t}\tilde{A}^-$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
176	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
177	Measurement of the $t\bar{t}\tilde{A}^-$ production cross section using events in the $e\bar{\nu}_e$ final state in pp collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 172.	1.4	40
178	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. European Physical Journal C, 2018, 78, 789.	1.4	40
179	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. European Physical Journal C, 2021, 81, 378.	1.4	40
180	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	39

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181	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
182	Measurement of the $Z/\bar{\nu}\nu$ b-jet cross section in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	39
183	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
184	Measurement of the ZZ production cross section and search for anomalous couplings in $2\ell, \ell\ell, \ell\ell\ell$ final states in pp collisions at $\sqrt{s}=7\text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
185	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7\text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
186	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13, \text{ext}\{TeV\}$ $\sqrt{s} = 13\text{ TeV}$. European Physical Journal C, 2018, 78, 965.	1.4	39
187	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7;\text{ext}\{TeV\}$ \sqrt{s} . Journal of High Energy Physics, 2011, 2011, 1.	1.6	38
188	Measurement of the top-quark mass in $\overline{t}t$ 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
189	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13\sqrt{s} = 13, \text{ext}\{TeV\}$ \sqrt{s} . European Physical Journal C, 2017, 77, 636.	1.4	38
190	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying t , leptons at $\sqrt{s}=13\sqrt{s} = 13\sqrt{s}$ \sqrt{s} . Journal of High Energy Physics, 2018, 2018, 1.	1.6	38
191	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	0.5	37
192	Measurement of the τ production cross section in pp collisions at $\sqrt{s}=7\sqrt{s}$ \sqrt{s} TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	1.4	37
193	Searches for third-generation squark production in fully hadronic final states in proton-proton collisions at $\sqrt{s} = 8\sqrt{s}=8\sqrt{s}$ \sqrt{s} TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
194	Measurement of the WZ production cross section in pp collisions at $\sqrt{s} = 7\sqrt{s} = 7$ and $8\sqrt{s}, \text{ext}\{TeV\}$ \sqrt{s} TeV and search for anomalous triple gauge couplings at $\sqrt{s} = 8, \text{ext}\{TeV\}$ \sqrt{s} \sqrt{s} = 8 TeV. European Physical Journal C, 2017, 77, 236.	1.4	37
195	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	0.5	36
196	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s} = 7\sqrt{s}$ \sqrt{s} TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	36
197	Measurement of the Cross Section for Prompt Isolated Diphoton Production Using the Full CDF Run II Data Sample. Physical Review Letters, 2013, 110, 101801.	2.9	36
198	Measurement of the top-quark mass in all-jets $t\bar{t}$ events in pp collisions at $\sqrt{s}=7\sqrt{s} = 7\sqrt{s}$ \sqrt{s} TeV. European Physical Journal C, 2014, 74, 2758.	1.4	35

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199	Search for heavy Majorana neutrinos in $e^{\pm}e^{\pm} + \text{jets}$ and $e^{\pm}e^{\pm} + \frac{1}{4} \text{ jets}$ events in proton-proton collisions at $s = 8 \sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
200	Search for anomalous Wtb couplings and flavour-changing neutral currents in t-channel single top quark production in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$ and 8 TeV . Journal of High Energy Physics, 2017, 2017, 1.	1.6	35
201	Measurements of production cross sections of the Higgs boson in the four-lepton final state in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2021, 81, 488.	1.4	35
202	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
203	Search for microscopic black holes in pp collisions at $\sqrt{s} = \{ \text{ext } \{ 7 \text{TeV} \} \}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	34
204	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
205	Evidence for a bottom baryon resonance Λ_b^0 in CDF data. Physical Review D, 2013, 88, .	1.6	34
206	Measurements of Direct $C \rightarrow P$ -Violating Asymmetries in Charmless Decays of Bottom Baryons. Physical Review Letters, 2014, 113, 242001.	2.9	34
207	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
208	Measurement of $\text{t} \overline{\text{t}}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 379.	1.4	34
209	Measurements of the $\text{t} \overline{\text{t}}$ production cross section in lepton+jets final states in pp collisions at $8 \sqrt{s}, \text{ext } \{ \text{TeV} \}$ TeV and ratio of 8 to $7 \sqrt{s}, \text{ext } \{ \text{TeV} \}$ TeV cross sections. European Physical Journal C, 2017, 77, 15.	1.4	34
210	Measurement of the top quark mass with lepton+jets final states using $p p$ collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2018, 78, 891.	1.4	34
211	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7 - \text{mbox} \{ \text{TeV} \}$. European Physical Journal C, 2012, 72, 1.	1.4	33
212	Direct Measurement of the Total Decay Width of the Top Quark. Physical Review Letters, 2013, 111, 202001.	2.9	33
213	Search for Resonant Top-Antitop Production in the Lepton Plus Jets Decay Mode Using the Full CDF Data Set. Physical Review Letters, 2013, 110, 121802.	2.9	33
214	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
215	Measurement of exclusive ρ^0 photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ext } \{ \text{TeV} \}$ TeV . European Physical Journal C, 2019, 79, 702.	1.4	33
216	Search for dark matter produced in association with a leptonically decaying Z boson in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$ TeV . European Physical Journal C, 2021, 81, 13.	1.4	33

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217	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
218	Measurement of $\overline{t}t$ normalised 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
219	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
220	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
221	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
222	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
223	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	0.5	32
224	Measurements of the $Z\overline{Z}Z$ production cross sections in the $2\ell 2\ell 1/2$ channel in proton-proton collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$. European Physical Journal C, 2015, 75, 511.	1.4	32
225	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
226	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
227	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
228	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
229	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
230	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
231	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
232	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
233	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\overline{q}$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
234	Measurement of the W-boson helicity in top-quark decays from $\overline{t}t$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	30

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235	Search for neutral MSSM Higgs bosons decaying into a pair of bottom quarks. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
236	Search for massive WH resonances decaying into the $u \overline{b}$ final state at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 237.	1.4	30
237	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
238	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
239	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
240	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
241	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
242	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
243	Study of the energy dependence of the underlying event in proton-antiproton collisions. Physical Review D, 2015, 92, .	1.6	28
244	Search for $t\overline{t}H$ production in the $H \rightarrow b\overline{b}$ decay channel with leptonic $t\overline{t}$ decays in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	28
245	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
246	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
247	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
248	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. European Physical Journal C, 2018, 78, 291.	1.4	27
249	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
250	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
251	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
252	Search for resonant $t\overline{t}$ production in lepton+jets events in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26

#	ARTICLE	IF	CITATIONS
253	Ratios of dijet production cross sections as a function of the absolute difference in rapidity between jets in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2012, 72, 1.	1.4	26
254	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow 2\gamma, 2l\bar{l}$ channel in pp collisions at $\sqrt{s} = 7, 8 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
255	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
256	Observation of $D^0 \rightarrow \gamma \gamma$ Mixing Using the CDF II Detector. Physical Review Letters, 2013, 111, 231802.	2.9	26
257	Search for Pair Production of Strongly Interacting Particles Decaying to Pairs of Jets in $pp \rightarrow \tilde{g}\tilde{g}$ Collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review Letters, 2013, 111, 031802.	2.9	26
258	Measurement of the Differential Cross Section $d\sigma/d\cos\theta^*$ for $W \rightarrow e\bar{\nu}_e$ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	2.9	26
259	Search for $W \rightarrow tb$ decays in the lepton + jets final state in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
260	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	26
261	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76 \text{ TeV}$. European Physical Journal C, 2016, 76, 1.	1.4	26
262	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	0.5	25
263	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
264	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 325.	1.4	25
265	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
266	Performance of the CMS drift tube chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03015-T03015.	0.5	24
267	Measurement of the $t\bar{t}$ production cross section in the l, γ jets channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 1.	1.4	24
268	Observation of the Production of a W Boson in Association with a Single Charm Quark. Physical Review Letters, 2013, 110, 071801.	2.9	24
269	Measurement of the production cross section for pairs of isolated photons in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	24
270	Search for physics beyond the standard model in events with two leptons, jets, and missing transverse momentum in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	24

#	ARTICLE	IF	CITATIONS
271	Search for vector-like T quarks decaying to top quarks and Higgs bosons in the all-hadronic channel using jet substructure. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	24
272	Measurements of $\sigma(\text{pp} \rightarrow \text{Z}\gamma\text{Z})$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 200.	1.4	24
273	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. <i>Journal of Instrumentation</i> , 2010, 5, T03020-T03020.	0.5	23
274	Inclusive b-hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	23
275	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. <i>European Physical Journal C</i> , 2014, 74, 2973.	1.4	23
276	Observation of top quark pairs produced in association with a vector boson in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	23
277	Measurement of the jet mass in highly boosted $\text{t}\bar{\text{t}}$ events from pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 467.	1.4	23
278	Search for heavy resonances decaying to tau lepton pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
279	Measurement of the transverse momentum spectra of weak vector bosons produced in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
280	Measurement of the top quark mass using single top quark events in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2017, 77, 354.	1.4	23
281	Measurement of the triple-differential dijet cross section in proton-proton collisions at $\sqrt{s} = 8$ TeV and constraints on parton distribution functions. <i>European Physical Journal C</i> , 2017, 77, 746.	1.4	23
282	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. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	23
283	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	22
284	Search for physics beyond the standard model in events with $\text{t}\bar{\text{t}}$, leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2493.	1.4	22
285	Measurement of the Cross Section for Direct-Photon Production in Association with a Heavy Quark in $\text{pp} \rightarrow \text{Z}\gamma\text{Z}$ Collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2015, 91, .	2.9	22
286	Measurement of central exclusive $\text{pp} \rightarrow \text{Z}\gamma\text{Z}$ collisions at $\sqrt{s} = 13$ TeV. <i>Physical Review D</i> , 2015, 91, .	1.6	22
287	Search for $\text{t}\bar{\text{t}}\text{Z}$ resonances in highly boosted lepton+jets and fully hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	22

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289	Search for massive resonances decaying into WW , WZ or ZZ bosons in proton-proton collisions at $s = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
290	Search for direct production of supersymmetric partners of the top quark in the all-jets final state in proton-proton collisions at $s = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
291	Search for heavy neutrinos or third-generation leptoquarks in final states with two hadronically decaying l , leptons and two jets in proton-proton collisions at $s = 13 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	22
292	Measurement of differential cross sections and charge ratios for t-channel single top quark production in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. European Physical Journal C, 2020, 80, 370.	1.4	22
293	Search for associated production of a Z boson with a single top quark and for tZ flavour-changing interactions in pp collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2017, 2017, 1.	1.6	21
294	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
295	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	0.5	20
296	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	0.5	20
297	Measurement of the inclusive Z cross section via decays to tau pairs in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	1.6	20
298	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	20
299	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in events with a single lepton, jets, and missing transverse momentum. European Physical Journal C, 2013, 73, 2404.	1.4	20
300	Measurements of the $\overline{\text{t}}\text{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
301	Search for the production of dark matter in association with top-quark pairs in the single-lepton final state in proton-proton collisions at $s = 8 \text{ TeV}$. Journal of High Energy Physics, 2015, 2015, 1.	1.6	20
302	Azimuthal decorrelation of jets widely separated in rapidity in pp collisions at $s = 7 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	20
303	Search for $\overline{\text{t}}\text{t}\text{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
304	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
305	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
306	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	0.5	19

#	ARTICLE	IF	CITATIONS
325	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	17
326	Measurement of the Λ_b^0 lifetime in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	17
327	Combination of searches for the Higgs boson using the full CDF data set. Physical Review D, 2013, 88, .	1.6	17
328	Search for standard model production of four top quarks in the lepton + jets channel in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1.	1.6	17
329	Probing color coherence effects in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 2901.	1.4	17
330	Measurement of the ratio of the production cross sections times branching fractions of B_c^{\pm} and B_s^{\pm} and $B_c^{\pm} \rightarrow B^{\pm} \mu^{\pm} \nu$ and $B_c^{\pm} \rightarrow B^{\pm} \mu^{\pm} \nu$. Journal of High Energy Physics, 2015, 1.	1.6	17
331	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
332	Search for new physics with the M T2 variable in all-jets final states produced in pp collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
333	Measurement of electroweak-induced production of $W\ell^3$ with two jets in pp collisions at $\sqrt{s} = 8 \text{ TeV}$ and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2017, 2017, 1.	1.6	17
334	Search for $Z\ell^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2018, 2018, 1.	1.6	17
335	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
336	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 $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	16
337	Measurement of the $\overline{\text{t}}\text{t}$ production cross section in the all-jet final state in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
338	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 $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	16
339	Measurement of jet multiplicity distributions in $\overline{\text{t}}\text{t}$ production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2014, 74, 3014.	1.4	16
340	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an $e\mu$ pair in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 317.	1.4	16
341	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s} = 8 \text{ TeV}$. European Physical Journal C, 2016, 76, 536.	1.4	16
342	Search for excited leptons in proton-proton collisions at $\sqrt{s} = 8 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16

#	ARTICLE	IF	CITATIONS
343	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
344	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
345	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
346	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	1.6	15
347	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
348	Measurement of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle W \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -boson polarization in top-quark decay using the full CDF Run II data set. Physical Review D, 2013, 87, .	1.6	15
349	Measurement of $R = B(\text{t} \rightarrow Wb) / B(\text{t} \rightarrow Wq)$ in top-quark-pair decays using lepton+jet events and the full CDF run II dataset. Physical Review D, 2013, 87, .	1.6	15
350	Measurement of $B(\text{t} \rightarrow Wb) / B(\text{t} \rightarrow Wq)$ in Top-Quark-Pair Decays Using Dilepton Events and the Full CDF Run II Data Set. Physical Review Letters, 2014, 112, 221801.	2.9	15
351	Evidence for $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \rangle \langle \text{mml:mi} \rangle s \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ -Channel Single-Top-Quark Production in Events with One Charged Lepton and Two Jets at CDF. Physical Review Letters, 2014, 112, 231804.	2.9	15
352	Measurement of top quark polarisation in t-channel single top quark production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
353	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
354	Measurement of the $t \bar{t} \hat{A} \rightarrow \text{t} \bar{\text{t}} \rightarrow \text{t} \bar{\text{t}}$ 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
355	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
356	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
357	Measurement of the production cross section for $\text{Z} \rightarrow \text{u} \bar{\text{u}}$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on ZZI^3 and ZI^3 triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
358	Measurement of indirect CP-violating asymmetries in $D \rightarrow K^+ K^-$ and $D \rightarrow \bar{K}^+ \bar{K}^-$ decays at CDF. Physical Review D, 2014, 90, .	1.6	14
359	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
360	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

#	ARTICLE	IF	CITATIONS
361	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
362	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
363	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
364	Studies of $B_s^0 \rightarrow B_s^0 \gamma$ and $B_s^0 \rightarrow B_s^0 \gamma \gamma$ decays. Journal of High Energy Physics, 2018, 2018, 1.		

#	ARTICLE	IF	CITATIONS
379	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. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	13
380	Search for s-Channel Single-Top-Quark Production in Events with Missing Energy Plus Jets in pp Collisions at $\sqrt{s} = 1.96$ TeV. <i>Physical Review Letters</i> , 2014, 112, 231805.	2.9	12
381	Search for supersymmetry in the vector-boson fusion topology in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	12
382	Phenomenological MSSM interpretation of CMS searches in pp collisions at $\sqrt{s} = 7$ TeV and 8 TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	1.6	12
383	Search for decays of stopped exotic long-lived particles produced in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12
384	Search for dark matter produced in association with a Higgs boson decaying to $\tilde{\chi}_1^0$ or $\tilde{\chi}_1^\pm$, $\tilde{\nu}_\tau$ at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	12
385	Measurement of the energy density as a function of pseudorapidity in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	1.4	12
386	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. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	1.6	12
387	Development and validation of HERWIG tunes from CMS underlying-event measurements. <i>European Physical Journal C</i> , 2021, 81, 312.	1.4	12
388	Search for a right-handed W boson and a heavy neutrino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2022, 2022, 1.	1.6	12
389	Search for new physics with long-lived particles decaying to photons and missing energy in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	11
390	Forward energy flow, central charged-particle multiplicities, and pseudorapidity gaps in W and Z boson events from pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	11
391	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \tilde{\nu}_\tau \tilde{\nu}_\tau$, $H \rightarrow \tilde{\nu}_\tau \tilde{\nu}_\tau$ decay channel in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	11
392	Measurement of the top-quark pair-production cross section in events with two leptons and bottom-quark jets using the full CDF data set. <i>Physical Review D</i> , 2013, 88, .	1.6	11
393	Measurement of the $Z\tilde{\chi}_1^0$ production cross section in pp collisions at 8 TeV and search for anomalous triple gauge boson couplings. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	11
394	Search for electroweak production of charginos in final states with two $\tilde{\nu}_\tau$ leptons in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
395	Measurement of the transverse momentum spectrum of the Higgs boson produced in pp collisions at $\sqrt{s} = 8$ TeV using $H \rightarrow WW$ decays. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	11
396	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. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	11

#	ARTICLE	IF	CITATIONS
397	Study of the underlying event in top quark pair production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2019, 79, 123.	1.4	11
398	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
399	Measurement of the mass difference between top and antitop quarks. Physical Review D, 2013, 87, .	1.6	10
400	Measurement of the Single Top Quark Production Cross Section and $ V_{tb} $ in Events with One Charged Lepton, Large Missing Transverse Energy, and Jets at CDF. Physical Review Letters, 2014, 113, 261804.	2.9	10
401	Study of top quark production and decays involving a tau lepton at CDF and limits on a charged Higgs boson contribution. Physical Review D, 2014, 89, .	1.6	10
402	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
403	Measurement of the $Z/\gamma \rightarrow \mu\mu$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $Z/\gamma \rightarrow \mu\mu$. European Physical Journal C, 2018, 78, 708.	1.4	10
404	Search for a heavy resonance decaying into a Z boson and a vector boson in the $u\bar{u}q\bar{q}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	1.6	10
405	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
406	Measurement of the top-quark mass in the all-hadronic channel using the full CDF data set. Physical Review D, 2014, 90, .	1.6	8
407	Measurement of the ZZ production cross section using the full CDF II data set. Physical Review D, 2014, 89, .	1.6	8
408	Measurement of the Bc production cross section in pp collisions at $s = 1.96$ TeV. Physical Review D, 2016, 93, .	1.6	8
409	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
410	Search for new physics in final states with two opposite-sign, same-flavor leptons, jets, and missing transverse momentum in pp collisions at $s = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
411	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
412	Invariant-mass distribution of jet pairs produced in association with a W boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	7
413	Search for direct pair production of scalar top quarks in the single- and dilepton channels in proton-proton collisions at $s = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	7
414	Search for high-mass Z^{\prime} resonances in e^+e^- and W^+W^- final states in proton-proton collisions at $s = 8$ TeV and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	7

#	ARTICLE	IF	CITATIONS
415	Study of central exclusive "Equation missing" <!-- No EquationSource Format="TEX", only image --> production in proton-proton collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	1.4	7
416	Measurement of the cross section for production of $b \bar{b}$ decaying to muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	6
417	Searches for the Higgs boson decaying to $W+W\tilde{a}^{\pm}$, $W\tilde{a}^{\pm}$, $\tilde{a}^{\pm}\tilde{a}^{\pm}$ with the CDF II detector. Physical Review D, 2013, 88, .	1.6	6
418	Distributions of topological observables in inclusive three- and four-jet events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 302.	1.4	6
419	Measurement of the forward-backward asymmetry of top-quark and antiquark pairs using the full CDF Run II data set. Physical Review D, 2016, 93, .	1.6	6
420	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
421	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
422	Inclusive and differential cross section measurements of single top quark production in association with a Z boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
423	Search for heavy resonances decaying to ZZ or ZW and axion-like particles mediating nonresonant ZZ or ZH production at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	6
424	Production of $K^* S$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
425	Measurement of the top-quark mass in the $t\bar{t} \rightarrow \ell\bar{\ell} \nu\bar{\nu}$ dilepton channel using the full CDF Run II data set. Physical Review D, 2015, 92, .	1.6	5
426	Measurement of the production and differential cross sections of $W+W\tilde{a}^{\pm}$ bosons in association with jets in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2015, 91, .	1.6	5
427	Search for Resonances Decaying to Top and Bottom Quarks with the CDF Experiment. Physical Review Letters, 2015, 115, 061801.	2.9	5
428	Tevatron Constraints on Models of the Higgs Boson with Exotic Spin and Parity Using Decays to Bottom-Antibottom Quark Pairs. Physical Review Letters, 2015, 114, 151802.	2.9	5
429	Measurement of the production and differential cross sections of $W+W\tilde{a}^{\pm}$ bosons in association with jets in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2015, 91, .	1.6	5
430	Measurement of electroweak production of a W boson and two forward jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
431	Search for the production of an excited bottom quark decaying to tW in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
432	Search for the pair production of light top squarks in the $e^+e^- \rightarrow t\bar{t} \tilde{a}^{\pm}$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	5

#	ARTICLE	IF	CITATIONS
433	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. , 2011, 2011, 1.		5
434	Search for flavor-changing neutral current interactions of the top quark and the Higgs boson decaying to a bottom quark-antiquark pair at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
435	Search for long-lived particles decaying into muon pairs in proton-proton collisions at $\sqrt{s} = 13$ TeV collected with a dedicated high-rate data stream. Journal of High Energy Physics, 2022, 2022, .	1.6	5
436	Measurement and QCD analysis of double-differential inclusive jet cross sections in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	5
437	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
438	Search for Supersymmetry with Like-Sign Lepton-Tau Events at CDF. Physical Review Letters, 2013, 110, 201802.	2.9	4
439	Signature-based search for delayed photons in exclusive photon plus missing transverse energy events from $pp \rightarrow \gamma + \cancel{E}_T$ collisions with $\sqrt{s} = 1.96$ TeV. Physical Review D, 2013, 88.	1.6	4
440	Search for the production of $Z \rightarrow W$ boson pairs decaying into charged leptons and jets in $pp \rightarrow Z \rightarrow W + \text{jets}$ collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	4
441	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
442	First measurement of the forward-backward asymmetry in bottom-quark pair production at high mass. Physical Review D, 2015, 92, .	1.6	4
443	Measurement of vector boson plus D^* meson production in $pp \rightarrow V + D^*$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2016, 93, .	1.6	4
444	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
445	Measurement of the W and WZ production cross section using final states with a charged lepton and heavy-flavor jets in the full CDF Run II data set. Physical Review D, 2016, 94, .	1.6	4
446	Search for CP violation in $t \bar{t} \rightarrow t \bar{t} + \cancel{E}_T$ production and decay in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	4
447	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
448	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
449	Measurement of the single top quark production cross section and $ V_{tb} $ in 1.96 TeV $pp \rightarrow t + \cancel{E}_T$ collisions with missing transverse energy and jets and final CDF combination. Physical Review D, 2016, 93, .	1.6	3
450	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

#	ARTICLE	IF	CITATIONS
451	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
452	Measurement of the $(\overline{t}t)$ production cross section in the dilepton channel in pp collisions at $(\sqrt{s}) = 8$ TeV. , 2014, 2014, 1.		3
453	Measurements of the $(\text{pp}) \rightarrow \text{ZZ}$ production cross section and the $(\text{ZZ}) \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13 \text{ TeV})$. , 2018, 78, 1.		3
454	Search for a dijet resonance in events with jets and missing transverse energy in collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2013, 88, .	1.6	2
455	Search for new physics in trilepton events and limits on the associated chargino-neutralino production at CDF. Physical Review D, 2014, 90, .	1.6	2
456	Searches for a high-mass Higgs boson in the ZZ and WW decay channels with the CMS detector. Nuclear and Particle Physics Proceedings, 2016, 273-275, 907-912.	0.2	2
457	Search for a low-mass neutral Higgs boson with suppressed couplings to fermions using events with multiphoton final states. Physical Review D, 2016, 93, .	1.6	2
458	Measurements of angular distance and momentum ratio distributions in three-jet and $\text{ZZ} + \text{two-jet}$ final states in pp collisions. European Physical Journal C, 2021, 81, 852.	1.4	2
459	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
460	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
461	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
462	Search for neutral color-octet weak-triplet scalar particles in proton-proton collisions at $s = 8 \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	1
463	Constraints on Models of the Higgs Boson with Exotic Spin and Parity using Decays to Bottom-Antibottom Quarks in the Full CDF Data Set. Physical Review Letters, 2015, 114, 141802.	2.9	1
464	Studies of high-transverse momentum jet substructure and top quarks produced in 1.96 TeV proton-antiproton collisions. Physical Review D, 2015, 91, .	1.6	1
465	Measurement of the forward-backward asymmetry in low-mass bottom-quark pairs produced in proton-antiproton collisions. Physical Review D, 2016, 93, .	1.6	1
466	Measurement of the D^+ meson production cross section at low transverse momentum in pp collisions at $s = 1.96 \text{ TeV}$. Physical Review D, 2017, 95, .	1.6	1
467	Measurement of the charge asymmetry of electrons from the decays of W bosons produced in pp collisions at $s = 1.96 \text{ TeV}$. Physical Review D, 2021, 104, .	1.6	1
468	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

#	ARTICLE	IF	CITATIONS
469	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