

Stefano Ragazzi

List of Publications by Year in descending order

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757
papers

49,912
citations

2544

96
h-index

3182

186
g-index

769
all docs

769
docs citations

769
times ranked

13333
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. Combined Measurement of the Higgs Boson Mass in $\sqrt{s} = 7$ TeV Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2015, 114, 191803.	4.1	6,177
2	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	25.6	974
4	CMS Physics Technical Design Report, Volume II: Physics Performance. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 995-1579.	3.6	683
5	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.	3.9	541
6	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.	4.1	520
7	Determination of jet energy calibration and transverse momentum resolution in CMS. Journal of Instrumentation, 2011, 6, P11002-P11002.	1.2	508
8	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	3.9	499
9	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	4.7	497
10	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	4.1	477
11	Performance of CMS muon reconstruction in pp collision events at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2012, 7, P10002-P10002.	1.2	467
12	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2011, 84, .	2.9	455
13	Identification of b-quark jets with the CMS experiment. Journal of Instrumentation, 2013, 8, P04013-P04013. Transverse-Momentum and Pseudorapidity Distributions of Charged Hadrons in $\sqrt{s} = 7$ TeV Collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS and CMS Experiments. Physical Review Letters, 2010, 105, 022002.	1.2	418
14	Observation of the rare $B_s^0 \rightarrow \mu^+ \mu^-$ decay from the combined analysis of CMS and LHCb data. Nature, 2015, 522, 68-72.	27.8	390
15	Description and performance of track and primary-vertex reconstruction with the CMS tracker. Journal of Instrumentation, 2014, 9, P10009-P10009.	1.2	380
17	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.	3.9	369
18	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	3.9	355

#	ARTICLE	IF	CITATIONS
19	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.	4.1	354
20	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	3.9	342
21	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.	4.7	320
22	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.	3.9	320
23	Measurement of the properties of a Higgs boson in the four-lepton final state. Physical Review D, 2014, 89, .	4.7	299
24	Performance of the DELPHI detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 57-100.	1.6	294
25	Measurement of the $B \rightarrow D^* \mu^+ \mu^-$ branching fraction and search for $B \rightarrow D^* \mu^+ \mu^-$ resonances. Physical Review Letters, 2013, 110, 081803.	7.8	282
26	Study of the Mass and Spin-Parity of the Higgs Boson Candidate via Its Decays to $Z \mu^+ \mu^-$ Pairs. Physical Review Letters, 2013, 110, 081803.	7.8	270
27	Search for neutral heavy leptons produced in Z decays. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 57-71.	1.5	259
28	Searches for electroweak production of charginos, neutralinos, and sleptons decaying to leptons and W, Z, and Higgs bosons in pp collisions at 8 TeV. European Physical Journal C, 2014, 74, 3036.	3.9	241
29	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.	4.7	230
30	Observation of Sequential J/ψ Suppression in PbPb Collisions. Physical Review Letters, 2012, 109, 222301.	7.8	220
31	Search for Supersymmetry at the LHC in Events with Jets and Missing Transverse Energy. Physical Review Letters, 2011, 107, 221804.	7.8	208
32	Measurement of the mass and width of the Z^0 -particle from multihadronic final states produced in e^+e^- annihilations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 231, 539-547.	4.1	200
33	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.	4.7	200
34	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	3.9	198
35	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.	3.9	191
36	Measurement of the elliptic anisotropy of charged particles produced in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 87, .	2.9	185

#	ARTICLE	IF	CITATIONS
37	Constraints on the spin-parity and anomalous $H \rightarrow V \rightarrow V$ couplings of the Higgs boson in proton collisions at 7 and 8 TeV. Physical Review D, 2015, 92, .	4.7	185
38	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.	3.9	181
39	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.	3.9	179
40	Evidence for Collective Multiparticle Correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	7.8	177
41	Tuning and test of fragmentation models based on identified particles and precision event shape data. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 11-59.	1.5	172
42			

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55	Modification of jet shapes in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.		144
56	Energy calibration and resolution of the CMS electromagnetic calorimeter in pp collisions at $\sqrt{s} = 7$ TeV. Journal of Instrumentation, 2013, 8, P09009-P09009.	1.2	140
57	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
58	CMS Physics Technical Design Report: Addendum on High Density QCD with Heavy Ions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2307-2455.	3.6	136
59	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
60	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, .	4.9	133
61	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.	4.1	130
62	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	129
63	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.	4.1	129
64	HOLMES. European Physical Journal C, 2015, 75, 112.	3.9	127
65	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	7.8	126
66	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	7.8	126
67	Measurement of the Inclusive Jet Cross Section in $\sqrt{s} = 7$ TeV Collisions at CMS. Physical Review Letters, 2011, 107, 132001.	7.8	125
68	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
69	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	123
70	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	3.9	123
71	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	122
72	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, 2012, 710, 256-277.	4.7	122

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73	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120
74	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.	4.1	120
75	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.	1.2	119
76	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.	4.1	118
77	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.	7.8	118
78	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	118
79	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.	4.7	117
80	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV with the CMS detector. Physical Review D, 2013, 87, 034012.	4.7	115
81	Observation of a peaking structure in the $\tau^+\tau^-$ invariant mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 171803.	2.9	113
82	Search for resonances in the dijet mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.1	112
83	Measurement of the rapidity and transverse momentum distributions of $\tau^+\tau^-$ bosons in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2014, 729, 149-171.	4.1	110
84	Search for resonances in the dijet mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 123-142.	4.7	108
85	Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 109, 022301.	7.8	108
86	Charged-particle nuclear modification factors in PbPb and pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physical Review Letters, 2012, 109, 022301.	4.7	107
87	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
88	Observation of a time modulated muon flux in the direction of Cygnus X-3. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 155, 465-467.	4.1	104
89	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.	4.7	103
90	Missing transverse energy performance of the CMS detector. Journal of Instrumentation, 2011, 6, P09001-P09001.	1.2	102

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91	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.	4.7	101
92	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.	4.7	100
93	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.	4.7	99
94	Measurement of the prompt J/ψ and Υ and Υ' production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.		

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109	Upsilon production cross section in collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	4.7	88
110	Search for the standard model Higgs boson decaying to $\mu\mu$ in the fully leptonic final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	86
111	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 147.	4.1	88
112	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.	3.9	88
113	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.	4.7	86
114	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.	4.7	85
115	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	12.6	85
116	Evidence of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	7.8	85
117	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.	4.7	85
118	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.	4.7	85
119	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.	3.9	85
120	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	1.2	84
121	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.	4.7	83
122	Search for W boson production in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 5-27.	4.1	83
123	Measurement of the muon charge asymmetry in inclusive W production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
124	Measurement of the differential cross section and charge asymmetry for inclusive W production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	3.9	83
125	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	3.9	83

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127	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" style="font-family: monospace;">\langle \text{mml:mi} \rangle \text{I} \# \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 74} \rangle$ production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	7.8	82
128	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.	3.9	82
129	J/ψ and $\bar{\chi}(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	81
130	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.1	81
131	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	4.7	81
132	Measurement of the $B^0 \rightarrow \mu^+ \mu^-$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 212301.	7.8	80
133	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.	7.8	80
134	Measurement of the charge asymmetry in top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 709, 28-49.	4.1	79
135	Search for lepton flavour number violating Z^0 -decays. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 243-251.	1.5	78
136	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.	4.7	78
137	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.	3.9	78
138	Measurement of the top-quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	3.9	78
139	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.	4.7	77
140	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.	4.1	77
141	Observation of orbitally excited B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 345, 598-608.	4.1	76
142	Search for Top-Quark Partners with Charge Asymmetry in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	4.1	76
143	Search for Top-Quark Partners with Charge Asymmetry in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	4.1	76
144	Search for Top-Quark Partners with Charge Asymmetry in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	7.8	76

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145	Study of exclusive two-photon production of $W+W\hat{a}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	75
146	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV and $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
147	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 031801.	7.8	74
148	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.	3.9	74
149	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.	4.7	73
150	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, .	4.7	73
151	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.	3.9	73
152	Title is missing!. European Physical Journal C, 1998, 5, 585.	3.9	73
153	A study of intermittency in hadronic Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 137-147.	4.1	71
154	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 031801.	4.7	71
155	Search for a narrow resonance in the Z^0 channel in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 031801.	7.8	70
156	Search for anomalous production of Z^0 bosons with three or more leptons in pp collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2014, 90, .	4.7	70
157	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.	4.7	70
158	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 $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 3.	3.9	70
159	Bose-Einstein correlations in the hadronic decays of the Z^0 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 286, 201-210.	4.1	69
160	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
161	Search for narrow resonances using the dijet mass spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 031801.	4.7	69
162	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.	4.7	69

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163	Search for anomalous production of multilepton events in pp collisions at $\sqrt{s} = 7, \text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	68
164	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.	3.9	68
165	Measurement of the differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	68
166	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.	3.9	68
167	Measurement of the $\overline{t}t$ 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.	3.9	68
168	Search for a standard model-like Higgs boson in the $pp \rightarrow \gamma \gamma$ channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 744, 184-207.	4.1	67
169	Determination of Z0 resonance parameters and couplings from its hadronic and leptonic decays. Nuclear Physics B, 1991, 367, 511-574.	2.5	65
170	Measurement of the differential cross section for isolated prompt photon production in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review D, 2011, 84, .	4.7	65
171	Long-range and short-range dihadron angular correlations in central PbPb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	65
172	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.	4.1	65
173	Search for a Light Pseudoscalar Higgs Boson in the Dimuon Decay Channel in pp Collisions at $\sqrt{s} = 7 \text{ TeV}$. Physical Review Letters, 2012, 108, 252002.	7.8	65
174	Observation of a New Baryon. Physical Review Letters, 2012, 108, 252002.	7.8	65
175	Measurement of differential cross sections for the production of a pair of isolated photons in pp collisions at $\sqrt{s} = 7, \text{TeV}$. European Physical Journal C, 2014, 74, 3129.	3.9	65
176	Improved measurements of cross sections and asymmetries at the Z0 resonance. Nuclear Physics B, 1994, 418, 403-427.	2.5	64
177	Measurement of the sum of WW and WZ production with W+dijet events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. European Physical Journal C, 2013, 73, 2283.	3.9	64
178	Search for Flavor-Changing Neutral Currents in Top-Quark Decays. Physical Review Letters, 2012, 108, 252002.	4.1	64
179	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13, \text{TeV}$. European Physical Journal C, 2016, 76, 439.	3.9	64
180	Fully contained events in the Mont Blanc nucleon decay detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1982, 118, 461-465.	4.1	63

#	ARTICLE	IF	CITATIONS
181	A comparison of jet production rates on the Z0 resonance to perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 167-176.	4.1	63
182	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.	4.1	63
183	Search for Signatures of Extra Dimensions in the Diphoton Mass Spectrum at the Large Hadron Collider. Physical Review Letters, 2012, 108, 111801.	7.8	63
184	Measurements of Spin Correlations and Top-Quark Polarization Using Dilepton Final States in $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	7.8	63
185	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.	4.1	63
186	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.	4.7	63
187	Measurement of the Isolated Prompt Photon Production Cross Section in $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	7.8	62
188	Measurement of the Pseudorapidity and Centrality Dependence of the Transverse Energy Density in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 109, 152303.	7.8	62
189	Search for the standard model Higgs boson decaying to bottom quarks in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	4.1	62
190	Measurement of the $W+W\bar{a}$ cross section in pp collisions at $\sqrt{s} = 7$ TeV and limits on anomalous $WW\bar{3}$ and WWZ couplings. European Physical Journal C, 2013, 73, 1.	3.9	62
191	Measurement of differential cross sections for Higgs boson production in the diphoton decay channel in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 13.	3.9	62
192	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	62
193	A search for sleptons and gauginos in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 157-166.	4.1	61
194	Measurement of the Production Cross Section in $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 284-306.	7.8	61
195	Evidence for Associated Production of a Single Top Quark and W Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 110, 022003.	7.8	61
196	Measurement of prompt J/ψ pair production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	61
197	Search for pair production of third-generation scalar leptoquarks and top squarks in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 229-249.	4.1	61
198	Energy dependence of the differences between the quark and gluon jet fragmentation. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 179-195.	1.5	60

#	ARTICLE	IF	CITATIONS
199	Dijet Azimuthal Decorrelations in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 106, 102003.	7.8	60
200	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, 13001.	3.9	60
201	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, 13001.	7.8	60
202	Performance and operation of the CMS electromagnetic calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03010-T03010.	1.2	59
203	Alignment of the CMS silicon tracker during commissioning with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03009-T03009.	1.2	59
204	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.	4.7	59
205	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	7.8	59
206	Search for anomalous $t\bar{t}$ production in the highly-boosted all-hadronic final state. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	58
207	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.	4.7	58
208	Studies of jet mass in dijet and $W/Z + \text{jet}$ events. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	58
209	Interpretation of searches for supersymmetry with simplified models. <i>Physical Review D</i> , 2013, 88, .	4.7	58
210	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.	3.9	58
211	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.	3.9	58
212	Identification and filtering of uncharacteristic noise in the CMS hadron calorimeter. <i>Journal of Instrumentation</i> , 2010, 5, T03014-T03014.	1.2	57
213			

#	ARTICLE	IF	CITATIONS
217	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.	3.9	57
218	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.	4.7	57
219	A precise measurement of the Z resonance parameters through its hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 435-448.	4.1	56
220	Charged particle transverse momentum spectra in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	56
221	Exclusive $\bar{t}t + \bar{t} + \bar{t} + \bar{t}$ production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	56
222	Measurement of the ratio of inclusive jet cross sections using the anti- k_T algorithm with radius parameters R and R_{eff} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 2014, 1.	4.7	56
223	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.	4.7	56
224	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.	3.9	55
225	Measurement of masses in the \overline{tt} system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55
226	Measurement of associated W + charm production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	55
227	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.	3.9	55
228	The NUSEX detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 245, 277-290.	1.6	54
229	Measurement of Dijet Angular Distributions and Search for Quark Compositeness in $\sqrt{s} = 13$ TeV pp Collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 243-270.	7.8	54
230	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, 243-270.	4.1	54
231	Measurement of the \overline{tt} system by kinematic endpoints in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2494.	3.9	55

#	ARTICLE	IF	CITATIONS
235	Search for New Physics with a Monojet and Missing Transverse Energy in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	7.8	53
236	Search for Heavy Neutrinos and W Bosons with Right-Handed Couplings in a Left-Right Symmetric Model in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014, 113, 113011.	7.8	53
237	Measurement of prompt and nonprompt J/ψ production in pp collisions at $\sqrt{s} = 5.02$ TeV. <i>European Physical Journal C</i> , 2017, 77, 269.	3.9	53
239	Performance of CMS muon reconstruction in cosmic-ray events. <i>Journal of Instrumentation</i> , 2010, 5, T03022-T03022.	1.2	52
240	Measurement of the $t\bar{t}$ production cross section in the dilepton channel in pp collisions at $\sqrt{s} = 8$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	52
241	Measurement of the $Z\bar{Z}$ production cross section and constraints on anomalous triple gauge couplings in four-lepton final states at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2014, 113, 113011.	4.1	52
242	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. <i>European Physical Journal C</i> , 2017, 77, 459.	3.9	52
243	Measurements of the $pp \rightarrow Z\bar{Z}$ production cross section and the $Z \rightarrow 4\ell$ branching fraction, and constraints on anomalous triple gauge couplings at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2018, 78, 165.	3.9	52
244	Measurement of the weak mixing angle with the Drell-Yan process in proton-proton collisions at the LHC. <i>Physical Review D</i> , 2011, 84, .	4.7	51
245	Search for exclusive or semi-exclusive $\tilde{\chi}_1^0\tilde{\chi}_1^0$ production and observation of exclusive and semi-exclusive e^+e^- production in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	51
246	Searches for heavy Higgs bosons in two-Higgs-doublet models and h decay using multilepton and diphoton final states in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review D</i> , 2014, 90, .	4.7	51
247	Search for the associated production of the Higgs boson with a top-quark pair. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	51
248	Search for light neutral Higgs particles produced in Z^0 -decays. <i>Nuclear Physics B</i> , 1990, 342, 1-14.	2.5	50
249	First measurement of the underlying event activity at the LHC with $\sqrt{s} = 0.9$ TeV. <i>European Physical Journal C</i> , 2010, 70, 555-572.	3.9	50
250	Search for $B_s^0 \rightarrow \tau^+ \tau^-$ and $B^0 \rightarrow \tau^+ \tau^-$ Decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 1071802.	4.1	50
251	Study of the underlying event at forward rapidity in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	50
252	Nucleon stability, magnetic monopoles and atmospheric neutrinos in the Mont-Blanc experiment. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1983, 133, 454-460.	4.1	49

#	ARTICLE	IF	CITATIONS
253	First Measurement of Bose-Einstein Correlations in Proton-Proton Collisions at $\sqrt{s} = 2.36$ TeV at the LHC. Physical Review Letters, 2010, 105, 032001.	7.8	49
254	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.	4.7	49
255	Search for New Physics with Same-Sign Isolated Dilepton Events with Jets and Missing Transverse Energy. Physical Review Letters, 2012, 109, 071803.	7.8	49
256	Search for leptonic decays of W bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	49
257	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.	3.9	49
258	Search for new resonances decaying via WZ to leptons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 740, 83-104.	4.1	48
259	mb at MZ. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 430-442.	4.1	48
260	Energy dependence of event shapes and of τ 's at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 322-340.	4.1	48
261	Measurement of the differential dijet production cross section in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.1	48
262	Search for new physics in events with same-sign dileptons and jets in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
263	Search for vector-like quarks in events with two oppositely charged leptons and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 364.	3.9	48
264	Search for pair production of neutral Higgs bosons in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 245, 276-288.	4.1	47
265	Inclusive measurements of the production in hadronic Z0 decays. Nuclear Physics B, 1995, 444, 3-26.	2.5	47
266	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.	7.8	47
267	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.	4.7	47
268	Measurement of the $b\bar{b}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 187-206.	4.1	47
269	Search for Top Squarks in $b\bar{b}$ Production in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2013, 111, 221801.	7.8	47
270	Yield Ratios in Pb-Pb and p -Pb Collisions at $\sqrt{s_{NN}} = 2.76$ and 4.46 TeV. Physical Review Letters, 2011, 106, 211802.	7.8	47

#	ARTICLE	IF	CITATIONS
271	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. Measurement of the Polarization of W Bosons with Large Transverse Momenta	4.7	46
272	in W in W Events at the LHC. Physical Review Letters, 2011, 107, 021802.	7.8	46
273	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. Measurement of the ratio B	4.7	46
274	Measurement of the ratio B		

#	ARTICLE	IF	CITATIONS
289	The scale dependence of the hadron multiplicity in quark and gluon jets and a precise determination of CA/CF. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 383-400.	4.1	44
290	Search for microscopic black holes in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	44
291	Inclusive Search for Supersymmetry Using Pairs of Variables in Collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	44
292	Search for Pair Production of Third-Generation Leptoquarks and Top Squarks in Collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	44
293	Search for Displaced Supersymmetry in Events with an Electron and a Muon with Large Impact Parameters. Physical Review Letters, 2015, 114, 061801.	7.8	44
294	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.	3.9	44
295	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.	3.9	44
296	Production of strange particles in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 231-242.	4.1	43
297	Search for pair produced jet resonances in four-jet final states in collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	7.8	43
298	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.	3.9	43
299	Identification techniques for highly boosted W bosons that decay into hadrons. Journal of High Energy Physics, 2014, 2014, 1.	4.7	43
300	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.	3.9	43
301	Measurement and interpretation of the W-pair cross-section in e^+e^- interactions at 161 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 397, 158-170.	4.1	42
302	Measurement of the top-quark mass in $\overline{t}t$ events with dilepton final states in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
303	Experimental study of the triple-gluon vertex. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 466-476.	4.1	41
304	Determination of \hat{S} from the scaling violation in the fragmentation functions in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 408-424.	4.1	41
305	Search for new phenomena using single photon events at LEP1. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 577-586.	1.5	41
306	Search for Quark Compositeness with the Dijet Centrality Ratio in Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2010, 105, 262001.	7.8	41

#	ARTICLE	IF	CITATIONS
307	Search for Stopped Gluinos in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	7.8	41
308	Inclusive search for squarks and gluinos in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
309	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.	4.7	41
310	Event shapes and azimuthal correlations in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	41
311	Measurement of the $Z\gamma$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	41
312	Measurement of the $t\bar{t}$ 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.	4.7	41
313	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 128.	3.9	41
314	Energy-energy correlations in hadronic final states from Z^0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 149-158.	4.1	40
315	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.	4.7	40
316	Measurement of four-jet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2014, 89, .	4.7	40
317	Measurement of the $t\bar{t}$ 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.	3.9	40
318	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.	3.9	40
319	Measurement of the top quark mass in the all-jets final state at $\sqrt{s} = 13$ TeV and combination with the lepton+jets channel. European Physical Journal C, 2019, 79, 313.	3.9	40
320	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.	3.9	40
321	Measurement of $W\bar{Z}$ and $Z\bar{Z}$ production in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 535-555.	4.1	39
322	Search for resonances in the dilepton mass distribution in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	39
323	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
324	Measurement of the $Z\bar{Z}$ b-jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39

#	ARTICLE	IF	CITATIONS
325	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.	4.7	39
326	Measurement of the ZZ production cross section and search for anomalous couplings in $2\gamma, 2\gamma, \gamma\gamma$ final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	39
327	Measurement of the production cross sections for a Z boson and one or more b jets in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	39
328	Measurement of differential cross sections for Z boson production in association with jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2018, 78, 965.	3.9	39
329	Measurement of the W-pair cross-section and of the W mass in. European Physical Journal C, 1998, 2, 581.	3.9	39
330	Search for heavy charged scalars in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 241, 449-458.	4.1	38
331	A search for neutral Higgs particles in Z0 decays. Nuclear Physics B, 1992, 373, 3-34.	2.5	38
332	Evidence for B _S meson production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 289, 199-210.	4.1	38
333	Production of charged particles, K _S ⁰ , K [±] , p and $\bar{\Lambda}$ in events and in the decay of b hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 347, 447-466.	4.1	38
334	Performance of a liquid argon time projection chamber exposed to the CERN West Area Neutrino Facility neutrino beam. Physical Review D, 2006, 74, .	4.7	38
335	Results of the first performance tests * of the CMS electromagnetic calorimeter. European Physical Journal C, 2006, 44, 1-10.	3.9	38
336	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.	4.1	38
337	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
338	First measurement of hadronic event shapes in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 48-67.	4.1	38
339	Measurement of the top-quark mass in $t\bar{t}$ events with lepton+jets final states in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	38
340	Search for pair produced fourth-generation up-type quarks in pp collisions at $\sqrt{s}=7$ TeV with a lepton in the final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 307-328.	4.1	38
341	Search for dark matter produced in association with heavy-flavor quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2017, 77, 845.	3.9	38
342	Search for heavy resonances that decay into a vector boson and a Higgs boson in hadronic final states at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 636.	3.9	38

#	ARTICLE	IF	CITATIONS
343	Evidence for associated production of a Higgs boson with a top quark pair in final states with electrons, muons, and hadronically decaying l , leptons at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	38
344	First evidence for a charm radial excitation, D. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 231-242.	4.1	37
345	Reconstruction of the signal amplitude of the CMS electromagnetic calorimeter. European Physical Journal C, 2006, 46, 23-35.	3.9	37
346	Commissioning of the CMS experiment and the cosmic run at four tesla. Journal of Instrumentation, 2010, 5, T03001-T03001.	1.2	37
347	Measurement of the $\sigma(\text{pp} \rightarrow \tau^+\tau^-)$ production cross section in pp collisions at $\sqrt{s}=7$ TeV using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	3.9	37
348	Measurement of the $\sigma(\text{pp} \rightarrow b\bar{b})$ cross section and the $\sigma(\text{pp} \rightarrow W^+W^-)$ cross section in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 735, 204-222.	4.1	37
349	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	4.1	37
350	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	4.1	37
351	Measurement of the production cross section for a W boson and two b jets in pp collisions at $\sqrt{s}=7$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	4.7	37
352	Measurement of the WZ production cross section in pp collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$ TeV and search for anomalous triple gauge couplings at $\sqrt{s}=8$ TeV. European Physical Journal C, 2017, 77, 236.	3.9	37
353	Classification of the hadronic decays of the Z0 into b and c quark pairs using a neural network. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 383-395.	4.1	36
354	International Scoping Study (ISS) for a future neutrino factory and Super-Beam facility. Detectors and flux instrumentation for future neutrino facilities. Journal of Instrumentation, 2009, 4, T05001-T05001.	1.2	36
355	Performance of the CMS hadron calorimeter with cosmic ray muons and LHC beam data. Journal of Instrumentation, 2010, 5, T03012-T03012.	1.2	36
356	Precise mapping of the magnetic field in the CMS barrel yoke using cosmic rays. Journal of Instrumentation, 2010, 5, T03021-T03021.	1.2	36
357	Measurement of the Drell-Yan cross section in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	36
358	Search for heavy lepton partners of neutrinos in proton-proton collisions in the context of the type III seesaw mechanism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 348-368.	4.1	36
359	Search for heavy-flavour three-jet resonances in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	36
360	Search for Monotop Signatures in Proton-Proton Collisions at $\sqrt{s}=8$ TeV. Physical Review Letters, 2015, 114, 101801.	7.8	36

#	ARTICLE	IF	CITATIONS
361	Measurement of the spin density matrix for the $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ and $\tilde{t}_1 \rightarrow t + \tilde{t}_1$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 271-286.	4.1	35
362	Commissioning and performance of the CMS pixel tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03007-T03007.	1.2	35
363	Measurement of the $\sigma(\tilde{t}_1 \rightarrow t + \tilde{b}_1)$ cross section with $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	4.7	35
364	Measurement of the top-quark mass in all-jets $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	4.7	35
365	Measurement of the top-quark mass in all-jets $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ events in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2758.	3.9	35
366	Measurement of exclusive $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ photoproduction from protons in $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2019, 79, 277.	3.9	35
367	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.	3.9	35
368	Measurement of the triple-gluon vertex from 4-jet events at LEP. Zeitschrift für Physik C-Particles and Fields, 1993, 59, 357-368.	1.5	34
369	Determination of $ V_{cb} $ from the semileptonic decay $B \rightarrow D^* e^+ \nu_e$. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 539-553.	1.5	34
370	Time reconstruction and performance of the CMS electromagnetic calorimeter. Journal of Instrumentation, 2010, 5, T03011-T03011.	1.2	34
371	Search for Three-jet Resonances in $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 107, 101801.	7.8	34
372	Observation of Z decays to four leptons with the CMS detector at the LHC. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
373	Search for microscopic black holes in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	34
374	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 \tilde{t}_1 . Journal of High Energy Physics, 2013, 2013, 1.	4.7	34
375	Search for a $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ boson decaying to a bottom quark and a top quark in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.1	34
376	Search for $Z \rightarrow \tau^+ \tau^-$ resonances decaying to $\tau^+ \tau^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2013, 87, .	4.7	34
377	Search for $Z \rightarrow \tau^+ \tau^-$ resonances decaying to $\tau^+ \tau^-$ final states in pp collisions at $\sqrt{s} = 7$ TeV and constraints on anomalous quartic gauge couplings in $\tilde{t}_1 \rightarrow t + \tilde{b}_1$ production. Physical Review D, 2013, 87, .	4.7	34
378	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.	4.7	34

#	ARTICLE	IF	CITATIONS
379	Measurement of $\overline{\text{t}}\text{t}$ 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.	3.9	34
380	Measurements of the $\overline{\text{t}}\text{t}$ production cross section in lepton+jets final states in pp collisions at $8, \text{ext}\{\text{TeV}\}$ TeV and ratio of 8 to $7\text{A}, \text{ext}\{\text{TeV}\}$ TeV cross sections. European Physical Journal C, 2017, 77, 15.	3.9	34
381	Measurement of the top quark mass with lepton+jets final states using pp collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ TeV . European Physical Journal C, 2018, 78, 891.	3.9	34
382	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton+proton collisions at $\sqrt{s} = 13, \text{ext}\{\text{TeV}\}$ $s = 13 \text{ TeV}$. European Physical Journal C, 2019, 79, 90.	3.9	34
383	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.	3.9	33
384	Search for new physics in events with same-sign dileptons and b jets in pp collisions at $\sqrt{s}=8 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	33
385	Measurement of exclusive $\rho^+\rho^-$ photoproduction in ultraperipheral pPb collisions at $\sqrt{s_{\text{smash}}}$ $\text{NN}} = 5.02, \text{ext}\{\text{TeV}\}$ TeV . European Physical Journal C, 2019, 79, 702.	3.9	33
386	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.	3.9	33
387	Search for top squark pair production using dilepton final states in pp collision data collected at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ TeV . European Physical Journal C, 2021, 81, 3.	3.9	33
388	Measurement of pp normalised multi-differential cross sections in pp collisions at $\sqrt{s}=13, \text{ext}\{\text{TeV}\}$ TeV , and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	3.9	33
389	The reaction $e^+e^- \rightarrow \tau^+\tau^- \gamma$ at Z0 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 268, 296-304.	4.1	32
390	Energy dependence of inclusive spectra in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 397-411.	4.1	32
391	Measurement of $\overline{\text{B}}\text{B}$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, \text{ext}\{\text{TeV}\}$ TeV . Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
392	Search for supersymmetry in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ in events with a single lepton, jets, and missing transverse momentum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
393	Search for pair production of first- and second-generation scalar leptoquarks in pp collisions at $\sqrt{s} = 7, \text{ext}\{\text{TeV}\}$ TeV . European Physical Journal C, 2013, 73, 2674.	4.7	32
394	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	4.7	32
395	Jet and underlying event properties as a function of charged-particle multiplicity in proton+proton collisions at $\sqrt{s} = 7, \text{ext}\{\text{TeV}\}$ TeV . European Physical Journal C, 2013, 73, 2674.	3.9	32
396	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.	4.1	32

#	ARTICLE	IF	CITATIONS
397	Alignment of the CMS tracker with LHC and cosmic ray data. <i>Journal of Instrumentation</i> , 2014, 9, P06009-P06009.	1.2	32
398	Measurements of the $Z Z$ production cross sections in the $2u$ channel in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. <i>European Physical Journal C</i> , 2015, 75, 511.	3.9	32
399	The HOLMES Experiment. <i>Journal of Low Temperature Physics</i> , 2016, 184, 922-929.	1.4	32
400	Searches for pair production of third-generation squarks in $\sqrt{s} = 13$ TeV pp collisions. <i>European Physical Journal C</i> , 2017, 77, 327.	3.9	32
401	Search for Leptoquarks and FCNC in $e+e$ annihilations at GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 446, 62-74.	4.1	31
402	Shape, transverse size, and charged-hadron multiplicity of jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	31
403	Measurement of the triple-differential cross section for photon + jets production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	31
404	Measurement of electroweak production of two jets in association with a Z boson in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 66.	3.9	31
405	Search for top squark pair production in pp collisions at $s = 13$ TeV using single lepton events. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	31
406	A multi-dimensional search for new heavy resonances decaying to boosted $W Z$ or $Z Z$ boson pairs in the dijet final state at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 237.	3.9	31
407	Study of the leptonic decays of the Z0 boson. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1990, 241, 425-434.	4.1	30
408	Measurement of the $e+e \rightarrow \tau^+ \tau^- (\tau^3)$ cross section at LEP energies. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 327, 386-396.	4.1	30
409	A measurement of the photon structure function F_2^γ at an average Q^2 of 12 GeV $^2/c^4$. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1996, 69, 223-233.	1.5	30
410	Measurement of Bose-Einstein correlations in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	30
411	Search for a heavy bottom-like quark in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 2012, 1.	4.1	30
412	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
413	Search for a Higgs boson in the decay channel $H \rightarrow ZZ^* \rightarrow q\bar{q}$. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
414	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. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	4.7	30

#	ARTICLE	IF	CITATIONS
415	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.	3.9	30
416	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.	3.9	30
417	A search for two neutrino and neutrinoless double beta decay of ^{136}Xe in the Gran Sasso underground laboratory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 266, 193-200.	4.1	29
418	Limits on the production of scalar leptoquarks from Z0 decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 316, 620-630.	4.1	29
419	Measurement of inclusive production of light meson resonances in hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 236-246.	4.1	29
420	Measurement of trilinear gauge couplings in e^+e^- collisions at 161 GeV and 172 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 423, 194-206.	4.1	29
421	The CMS barrel calorimeter response to particle beams from $\sqrt{s} = 350$ GeV/c. European Physical Journal C, 2009, 60, 359-373.	3.9	29
422	Search for supersymmetry in events with b jets and missing transverse momentum at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	29
423	Search for high-mass resonances decaying into $b\bar{b}$ pairs in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 237.	7.8	29
424	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.	4.1	29
425	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 T variable. European Physical Journal C, 2017, 77, 294.	3.9	29
426	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.	4.7	29
427	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.	3.9	29
428	J/ψ production in the hadronic decays of the Z. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 341, 109-122.	4.1	28
429	Search for the standard model Higgs boson in Z0 decays. Nuclear Physics B, 1994, 421, 3-37.	2.5	28
430	Observation of short range three-particle correlations in e^+e^- annihilations at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 355, 415-424.	4.1	28
431	Charged particle multiplicity in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 372, 172-180.	4.1	28
432			

#	ARTICLE	IF	CITATIONS
433	Search for the Bc meson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 207-222.	4.1	28
434	A study of the hadronic resonance structure in the decay $\tilde{\chi}_1^0 \rightarrow 3\pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 411-427.	4.1	28
435	Search for physics beyond the standard model using γ and μ signatures in $\sqrt{s} = 13$ TeV collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 722, 273-294.	4.1	28
436	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.	4.1	28
437	Search for $\tilde{\chi}_1^0 \rightarrow \tilde{\chi}_2^0 \gamma$ production in the $\tilde{\chi}_1^0 \rightarrow b\bar{b}$ decay channel with leptonic $\tilde{\chi}_1^0 \rightarrow \tilde{\chi}_2^0 \gamma$ decays in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	28
438	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.	4.7	28
439	Experimental study of the reaction $\tilde{\chi}_1^0 \rightarrow \tilde{\chi}_2^0 \gamma + e^+ e^- \rightarrow \tilde{\chi}_1^0 \gamma + e^+ e^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 84, 137-142.	4.1	27
440	A measurement of $\sin^2 \theta_W$ from the charge asymmetry of hadronic events at the Z0 peak. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 277, 371-382.	4.1	27
441	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.	4.1	27
442	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.	4.7	27
443	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.	3.9	27
444	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.	1.2	27
445	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.	4.7	27
446	Search for composite and exotic fermions at LEP 2. European Physical Journal C, 1999, 8, 41.	3.9	27
447	Study of neutrino-induced dimuon events in gargamelle at CERN SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1979, 86, 115-120.	4.1	26
448	Measurement of $\tilde{\chi}_1^0 \rightarrow b\bar{b}$ production and lifetime in Z0 hadronic decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 379-390.	4.1	26
449	Study of rare b decays with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 207-220.	1.5	26
450	Intercalibration of the barrel electromagnetic calorimeter of the CMS experiment at start-up. Journal of Instrumentation, 2008, 3, P10007-P10007.	1.2	26

#	ARTICLE	IF	CITATIONS
451	Search for physics beyond the standard model in opposite-sign dilepton events in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1. Search for a heavy gauge boson $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x.$	4.7	26
452	Search for a heavy gauge boson $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x.$	4.1	26
453	Combined search for the quarks of a sequential fourth generation. Physical Review D, 2012, 86, .	4.7	26
454	Search for resonant $\overline{\text{t}}\text{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
455	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, 2012, 1.	3.9	26
456	Search for three-jet resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x.$	4.1	26
457	Search for the standard model Higgs boson in the $H \rightarrow \tau\tau$ channel in pp collisions at $\sqrt{s} = 7, \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
458	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.	4.7	26
459	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.	4.7	26
460	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.	4.7	26
461	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 2.76, \sqrt{s} = 2.76$ TeV. European Physical Journal C, 2016, 76, 1.	3.9	26
462	Search for neutrino oscillations in $\nu\tau$ at SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1981, 100, 182-184.	4.1	25
463	Search for scalar quarks in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 247, 148-156.	4.1	25
464	A search for heavy stable and long-lived squarks and sleptons in e^+e^- collisions at energies from 130 to 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 444, 491-502.	4.1	25
465	Performance study of the CMS barrel resistive plate chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03017-T03017.	1.2	25
466	Measurement of the muon stopping power in lead tungstate. Journal of Instrumentation, 2010, 5, P03007-P03007.	1.2	25
467	Commissioning and performance of the CMS silicon strip tracker with cosmic ray muons. Journal of Instrumentation, 2010, 5, T03008-T03008.	1.2	25
468	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9, \sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25

#	ARTICLE	IF	CITATIONS
469	Search for physics beyond the standard model in events with a Z boson, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 718, 1-10.	4.1	25
470	Forward-backward asymmetry of Drell-Yan lepton pairs in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2016, 76, 325.	3.9	25
471	Search for high-mass resonances in final states with a lepton and missing transverse momentum at $\sqrt{s} = 13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	25
472	Measurements of the lineshape of the Z0 and determination of electroweak parameters from its hadronic and leptonic decays. <i>Nuclear Physics B</i> , 1994, 417, 3-57.	2.5	24
473	Measurement of correlations between pions from different W's in $e^+e^- \rightarrow W^+W^-$ events. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 401, 181-191.	4.1	24
474	Performance of the CMS drift tube chambers with cosmic rays. <i>Journal of Instrumentation</i> , 2010, 5, T03015-T03015.	1.2	24
475	Performance of the CMS Level-1 trigger during commissioning with cosmic ray muons and LHC beams. <i>Journal of Instrumentation</i> , 2010, 5, T03002-T03002.	1.2	24
476	Observation of a diffractive contribution to dijet production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2013, 87, .	4.7	24
477	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. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	24
478	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. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	24
479	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.	4.7	24
480	Search for quark contact interactions and extra spatial dimensions using dijet angular distributions in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 746, 79-99.	4.1	24
481	Measurements of $Z\gamma$ production cross sections and constraints on anomalous triple gauge couplings at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2021, 81, 200.	3.9	24
482	Measurement of the quark and gluon fragmentation functions in Z. <i>European Physical Journal C</i> , 1999, 6, 19.	3.9	24
483	Multiplicity fluctuations in hadronic final states from the decay of the Z0. <i>Nuclear Physics B</i> , 1992, 386, 471-492.	2.5	23
484	Alignment of the CMS muon system with cosmic-ray and beam-halo muons. <i>Journal of Instrumentation</i> , 2010, 5, T03020-T03020.	1.2	23
485	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.	4.7	23
486	Search for excited quarks in the $t\bar{t} + \text{jets}$ final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 738, 274-293.	4.1	23

#	ARTICLE	IF	CITATIONS
487	Measurement of WZ and ZZ production in pp collisions at $\sqrt{s} = 8$ TeV in final states with b-tagged jets. European Physical Journal C, 2014, 74, 2973.	3.9	23
488	Measurement of the jet mass in highly boosted $\overline{t}t$ events from pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 467.	3.9	23
489	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.	3.9	23
490	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.	3.9	23
491	Searches for heavy neutrinos from Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 230-238.	4.1	22
492	Search for scalar leptoquarks from Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 275, 222-230.	4.1	22
493	Pion yield from 450 GeV/c protons on beryllium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 208-214.	4.1	22
494	Measurement of $ V_{cs} $ using W decays at LEP2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 439, 209-224.	4.1	22
495	Measurement of inclusive $\bar{D}, f_0(980), f_2(1270), K$ and $\bar{K}^{*2}(1525)$ production in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 449, 364-382.	4.1	22
496	Measurements of the trilinear gauge boson couplings WWV ($V = \gamma, Z$) in e^+e^- collisions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 382-396.	4.1	22
497	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
498	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.	4.1	22
499	Search for physics beyond the standard model in events with \tilde{l} , leptons, jets, and large transverse momentum imbalance in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2493.	3.9	22
500	Search for new physics in events with opposite-sign leptons, jets, and missing transverse energy in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 815-840.	4.1	22
501	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.	4.7	22
502	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.	3.9	22
503	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.	3.9	22
504	Primary cosmic-ray spectrum at energies $\sim 10^{13}$ - 10^{16} eV from multiple muon events in NUSEX experiment. Il Nuovo Cimento Della Societ� Italiana Di Fisica C, 1985, 8, 76-92.	0.2	21

#	ARTICLE	IF	CITATIONS
505	A measurement of the b forward-backward asymmetry using the semileptonic decay into muons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 276, 536-546.	4.1	21
506	Measurement of inclusive π^0 production in hadronic Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 561-573.	1.5	21
507	Kaon interference in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 330-340.	4.1	21
508	Measurement of the multiplicity of gluons splitting to bottom quark pairs in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 405, 202-214.	4.1	21
509	Search for Pair Production of First-Generation Scalar Leptoquarks in $\text{Collisions at } \sqrt{s} < 7 \text{ TeV}$ Physical Review Letters, 2011, 106, 201802.	7.8	21
510	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.	4.1	21
511	A Deep Neural Network for Simultaneous Estimation of b Jet Energy and Resolution. Computing and Software for Big Science, 2020, 4, 10.	2.9	21
512	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.	4.7	21
513	Measurement of the partial width of the decay of the Z0 into charm quark pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 252, 140-148.	4.1	20
514	Study of prompt photon production in hadronic Z^0 decays. Zeitschrift für Physik C-Particles and Fields, 1995, 69, 1-13.	1.5	20
515	Performance of CMS hadron calorimeter timing and synchronization using test beam, cosmic ray, and LHC beam data. Journal of Instrumentation, 2010, 5, T03013-T03013.	1.2	20
516	Performance of the CMS cathode strip chambers with cosmic rays. Journal of Instrumentation, 2010, 5, T03018-T03018.	1.2	20
517	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.	4.7	20
518	Search for exotic resonances decaying into WZ/ZZ in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
519	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.	3.9	20
520	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.	4.1	20
521	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. $\sqrt{s} = 7 \text{ TeV}$	4.1	20
522	Measurements of the $\overline{\text{t}}\text{t}$ charge asymmetry using the dilepton decay channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	20

#	ARTICLE	IF	CITATIONS
523	Search for $\overline{t}t\mathrm{H}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
524	Search for dark matter in events with energetic, hadronically decaying top quarks and missing transverse momentum at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
525	Search for rare decays of Z and Higgs bosons to J/ψ and a photon in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 94.	3.9	20
526	Measurement of top quark pair production in association with a Z boson in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
527	A search for lepton number non-conservation in double beta decay of $^{136}\mathrm{Xe}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 221, 209-215.	4.1	19
528	Determination of $\hat{\Gamma}_S$ for b quarks at the Z0 resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 307, 221-236.	4.1	19
529	Measurement of inclusive K^0 (892), ϕ (1020) and K_{S2}^0 (1430) production in hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 73, 61-72.	1.5	19
530	Measurement of the rate of events in hadronic Z decays and the extraction of the gluon splitting into. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 425-439.	4.1	19
531	Aligning the CMS muon chambers with the muon alignment system during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03019-T03019.	1.2	19
532	Performance of the CMS drift-tube chamber local trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03003-T03003.	1.2	19
533	CMS data processing workflows during an extended cosmic ray run. Journal of Instrumentation, 2010, 5, T03006-T03006.	1.2	19
534	Radiation hardness qualification of PbWO_4 scintillation crystals for the CMS Electromagnetic Calorimeter. Journal of Instrumentation, 2010, 5, P03010-P03010.	1.2	19
535	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. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
536	Search for a very light NMSSM Higgs boson produced in decays of the 125 GeV scalar boson and decaying into $\tilde{l}, \tilde{\nu}$ leptons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	19
537	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.	3.9	19
538	Search for the t and b' quarks in hadronic decays of the Z0 boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 242, 536-546.	4.1	18
539	Search for anomalous production of single photons at and 136 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 471-479.	4.1	18
540	Study of radiative leptonic events with hard photons and search for excited charged leptons at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 480-490.	4.1	18

#	ARTICLE	IF	CITATIONS
541	A precise measurement of the B^0_{d} meson lifetime using a new technique. Zeitschrift für Physik C-Particles and Fields, 1997, 74, 19-32.	1.5	18
542	Measurement of B^0_{d} - $\overline{B^0_{\text{d}}}$ oscillations. Zeitschrift für Physik C-Particles and Fields, 1997, 76, 579-598.	1.5	18
543	A measurement of $\hat{\Gamma}$ from the scaling violation in e^+e^- annihilation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 398, 194-206.	4.1	18
544	K^0_S production ratios from 450 GeV/c protons on beryllium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 225-232.	4.1	18
545	A search for $\hat{\Gamma}^2 c$ production in photon-photon fusion at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 441, 479-490.	4.1	18
546	Measurement of the mass of the W boson using direct reconstruction at $\sqrt{s} = 183$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 462, 410-424.	4.1	18
547	Fine synchronization of the CMS muon drift-tube local trigger using cosmic rays. Journal of Instrumentation, 2010, 5, T03004-T03004.	1.2	18
548	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, .	4.7	18
549	Search for quark compositeness in dijet angular distributions from pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.7	18
550	Searches for Higgs bosons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1	4.1	18
551	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.	4.1	18
552	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.	4.1	18
553	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.	3.9	18
554	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.	3.9	18
555	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.	4.7	18
556	MUSIC: a model-unspecific search for new physics in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 629.	3.9	18
557	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.	3.9	18
558	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.	3.9	18

#	ARTICLE	IF	CITATIONS
559	An experimental study of the neutrino background in underground experiments on nucleon decay. Nuclear Instruments & Methods in Physics Research, 1984, 219, 300-310.	0.9	17
560	A measurement of the tau lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 356-368.	4.1	17
561	Calibration of the CMS drift tube chambers and measurement of the drift velocity with cosmic rays. Journal of Instrumentation, 2010, 5, T03016-T03016.	1.2	17
562	Search for Pair Production of Second-Generation Scalar Leptoquarks in Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 201803.	7.8	17
563	Search for stopped long-lived particles produced in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	17
564	Search for large extra dimensions in dimuon and dielectron events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	17
565	Measurement of the Λ_{b}^0 lifetime in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	17
566	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.	4.7	17
567	Probing color coherence effects in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2901.	3.9	17
568	Search for $Z\bar{1}^3$ resonances using leptonic and hadronic final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	17
569	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.	3.9	17
570	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.	3.9	17
571	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.	4.7	17
572	A study of $B_0^{\sim 0}$ mixing using semileptonic decays of B hadrons produced from Z^0 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 301, 145-154.	4.1	16
573	A precise measurement of the tau lepton lifetime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 365, 448-460.	4.1	16
574	Search for the lightest chargino at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 382, 323-336.	4.1	16
575	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.	4.7	16
576	Measurement of the $\overline{t}t$ 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.	4.7	16

#	ARTICLE	IF	CITATIONS
577	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.	4.7	16
578	Measurement of jet multiplicity distributions in $\overline{t}t$ production in pp collisions at $\sqrt{s} = 7, \text{ext } \{ \text{TeV} \}$ $s = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	3.9	16
579	Measurement of the production cross section ratio $\sigma(\overline{t}t(1P))/\sigma(\overline{t}t(1P))$ in pp collisions at $\sqrt{s} = 7, \text{ext } \{ \text{TeV} \}$ $s = 7$ TeV. European Physical Journal C, 2014, 74, 3014.	4.1	16
580	Search for lepton flavour violating decays of heavy resonances and quantum black holes to an μe pair in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 317.	3.9	16
581	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	3.9	16
582	Measurement of the production cross section of a W boson in association with two b jets in pp collisions at $\sqrt{s} = 8, \text{ext } \{ \text{TeV} \}$ $s = 8$ TeV. European Physical Journal C, 2017, 77, 92.	3.9	16
583	Measurement of associated Z + charm production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 287.	3.9	16
584	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s} = 13, \text{ext } \{ \text{TeV} \}$. European Physical Journal C, 2019, 79, 886.	3.9	16
585	A measurement of the mean lifetimes of charged and neutral B-hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 312, 253-266.	4.1	15
586	Charged kaon production in tau decays at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 334, 435-449.	4.1	15
587	Search for the Higgs boson in events with isolated photons at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 431-446.	4.1	15
588	Study of the Dijet Mass Spectrum in pp collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2012, 109, 251801.	4.1	15
589	Search for a fermiophobic Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
590	Search for charge-asymmetric production of a Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	15
591	Measurement of the mass difference between top and antitop quarks. Journal of High Energy Physics, 2012, 2012, 1.	4.7	15
592	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.	4.7	15
593	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.	4.1	15
594	Search for supersymmetry with razor variables in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15

#	ARTICLE	IF	CITATIONS
595	Measurement of the cross section ratio $\frac{\sigma(\text{tt})}{\sigma(\text{tt} + \text{bb})}$ in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.1	15
596	Measurement of the $\text{t} \overline{\text{t}}$ production cross section using events with one lepton and at least one jet in pp collisions at $s = 13 \sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	15
597	A measurement of the B_s^0 meson mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 324, 500-508.	4.1	14
598	Production of Σ^0 and Ω^- in Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 371-381.	1.5	14
599	Measurement of the partial decay width $\Gamma_{b^0} = \Gamma_{\bar{b}}/\Gamma_{\text{had}}$ of the Z with the DELPHI detector at LEP. Zeitschrift für Physik C-Particles and Fields, 1996, 70, 531-547.	1.5	14
600	Search for neutralinos, scalar leptons and scalar quarks in e^+e^- interactions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 387, 651-666.	4.1	14
601	Observation of charge-ordering in particle production in hadronic Z^0 decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 407, 174-184.	4.1	14
602	Search for charginos, neutralinos and gravitinos at LEP. European Physical Journal C, 1998, 1, 1.	3.9	14
603	Charged particle multiplicity in events at 161 and 172 GeV and from the decay of the W boson. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 233-246.	4.1	14
604	Search for charginos, neutralinos and gravitinos in e^+e^- interactions at GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 446, 75-91.	4.1	14
605	Measurement of the ratio of the single to double jet production cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.1	14
606	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.	4.7	14
607	Measurement of the production cross section for $Z \gamma \rightarrow u \overline{u} \gamma$ in pp collisions at $\sqrt{s} = 7$ TeV and limits on $ZZ\gamma^3$ and $Z\gamma^3\gamma^3$ triple gauge boson couplings. Journal of High Energy Physics, 2013, 2013, 1.	4.7	14
608	Measuring the electron neutrino mass with improved sensitivity: the HOLMES experiment. Journal of Instrumentation, 2017, 12, C02046-C02046.	1.2	14
609	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.	4.7	14
610	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
613	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.	4.7	14
614	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.	3.9	14
615	Study of orientation of three-jet events in Z0 hadronic decays using the DELPHI detector. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 498-506.	4.1	13
616	Interference of neutral kaons in the hadronic decays of the Z0. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 242-252.	4.1	13
617	Measurement of time dependent mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 409-420.	4.1	13
618	Measurement of $\hat{\Gamma}^{++}(1232)$ production in hadronic Z decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 207-220.	4.1	13
619	Search for light resonances decaying into pairs of muons as a signal of new physics. Journal of High Energy Physics, 2011, 2011, 1.	4.7	13
620	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.	4.7	13
621	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.	4.7	13
622	Search for supersymmetry in events with opposite-sign dileptons and missing transverse energy using an artificial neural network. Physical Review D, 2013, 87, .	4.7	13
623	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.	4.7	13
624	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.	4.7	13
625	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.	4.7	13
626	Investigation of the splitting of quark and gluon jets. European Physical Journal C, 1998, 4, 001.	3.9	13
627	Measurement of the lifetime of b-baryons. European Physical Journal C, 1999, 10, 185.	3.9	13
628	Measurements of the leptonic branching fractions of the tau. European Physical Journal C, 1999, 10, 201.	3.9	13
629	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.	4.7	13
630	First evidence of hard scattering processes in single tagged $\hat{\beta}^3$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 342, 402-416.	4.1	12

#	ARTICLE	IF	CITATIONS
631	Measurement of the $e^+e^- \rightarrow \hat{\tau}^+ \hat{\tau}^3 (\hat{\tau}^3)$ cross section at the LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 433, 429-440.	4.1	12
632	Search for first generation scalar leptoquarks in the $e^+e^- \rightarrow jjZ$ channel in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.1	12
633	Search for contact interactions using the inclusive jet $\tau^+ \tau^-$ events in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
634	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.	4.7	12
635	Search for baryon number violation in top-quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 731, 173-196.	4.1	12
636	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.	4.7	12
637	Search for dark matter produced in association with a Higgs boson decaying to $\hat{\tau}^3 \hat{\tau}^3$ or $\hat{\tau}^+, \hat{\tau}^-$ at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	12
638	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.	3.9	12
639	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.	4.7	12
640	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.	3.9	12
641	Development and validation of HERWIG++7 tunes from CMS underlying-event measurements. European Physical Journal C, 2021, 81, 312.	3.9	12
642	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.	4.7	12
643	Measurement of the triple gluon vertex from double quark tagged 4-jet events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 401-418.	4.1	11
644	Rapidity correlations in $\hat{\tau}$ baryon and proton production in hadronic Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 416, 247-256.	4.1	11
645	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.	4.7	11
646	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.	3.9	11
647	Search for the standard model Higgs boson in the $H \rightarrow ZZ \rightarrow \hat{a}, \hat{a}^+, \hat{a}^-, \hat{a}^+ \hat{a}^-, \hat{a}^+ \hat{a}^+, \hat{a}^- \hat{a}^-$ decay channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	11
648	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, .	4.7	11

#	ARTICLE	IF	CITATIONS
649	Measurement of the $Z\bar{\nu}\nu$ 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.	4.7	11
650	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.	4.7	11
651	Production and separation of ^{163}Ho for nuclear physics experiments. PLoS ONE, 2018, 13, e0200910.	2.5	11
652	Status of the HOLMES Experiment to Directly Measure the Neutrino Mass. Journal of Low Temperature Physics, 2018, 193, 1137-1145.	1.4	11
653	Study of the underlying event in top quark pair production in $p\bar{p}$ collisions at 13 TeV. European Physical Journal C, 2019, 79, 123.	3.9	11
654	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.	3.9	11
655	Measurement of the forward backward asymmetry of. European Physical Journal C, 1999, 10, 219.	3.9	11
656	Status of the High density Projection Chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1985, 235, 310-313.	1.6	10
657	Underground laboratory and milano double beta decay experiment. Nuclear Instruments & Methods in Physics Research B, 1986, 17, 411-417.	1.4	10
658	The Milano experiment on double beta decay of ^{136}Xe . Journal of Physics G: Nuclear and Particle Physics, 1991, 17, S231-S241.	3.6	10
659	Measurement of the mixing parameter in DELPHI. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 332, 488-500.	4.1	10
660	A measurement of the $\bar{\nu}_\mu$ leptonic branching fractions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 357, 715-724.	4.1	10
661	Performance of the HPC calorimeter in DELPHI. IEEE Transactions on Nuclear Science, 1995, 42, 491-498.	2.0	10
662	Search for excited leptons in e^+e^- collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 245-260.	4.1	10
663	Search for charged Higgs bosons in e^+e^- collisions at $\sqrt{s}=172$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 420, 140-156.	4.1	10
664	Multiplicity fluctuations in one- and two-dimensional angular intervals compared with analytic QCD calculations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 457, 368-382.	4.1	10
665	Search for charged Higgs bosons at LEP 2. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 460, 484-497.	4.1	10
666	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.	4.7	10

#	ARTICLE	IF	CITATIONS
667	Search for excited leptons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 300-320.		
668	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.	3.9	10
669	Measurement of the $\sigma(\text{pp} \rightarrow \text{Z} \gamma \text{pp})$ cross section in pp collisions at $\sqrt{s} = 13$ TeV and validation of $\sigma(\text{pp} \rightarrow \text{Z} \gamma \text{pp})$. European Physical Journal C, 2018, 78, 708.	3.9	10
670	Search for a heavy resonance decaying into a Z boson and a vector boson in the $\text{pp} \rightarrow \text{Z} \gamma \text{pp}$ final state. Journal of High Energy Physics, 2018, 2018, 1.	4.7	10
671	Evidence for $\text{W} \rightarrow \text{W} \gamma$ production from double-parton interactions in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
672	Measurement of the Z0 branching fraction to b quark pairs using the boosted sphericity product. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 281, 383-393.	4.1	9
673	A search for lepton flavour violation in Z0 decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 298, 247-256.	4.1	9
674	Upper limits on the branching ratios $\text{B}(\text{Z} \rightarrow \text{W} \gamma)$ and $\text{B}(\text{Z} \rightarrow \text{W} \gamma)$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 359, 411-421.	4.1	9
675	Search for promptly produced heavy quarkonium states in hadronic Z decays. Zeitschrift für Physik C-Particles and Fields, 1996, 69, 575-583.	1.5	9
676	Test of large area glass RPCs at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 575, 583-583.	1.6	9
677	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV pp Collisions at CMS [Phys. Rev. Lett. 105, 211801 (2010)]. Physical Review Letters, 2011, 106, .	7.8	9
678	Search for a narrow, spin-2 resonance decaying to a pair of Z bosons in the $\text{pp} \rightarrow \text{Z} \gamma \text{pp}$ final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 1208-1228.	4.1	9
679	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, .	4.7	9
680	Search for a heavy vector resonance decaying to a $\text{Z} \gamma$ boson and a Higgs boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 688.	3.9	9
681	Cosmic-muon results from the NUSEX experiment. Il Nuovo Cimento Della Società Italiana Di Fisica C, 1986, 9, 196-209.	0.2	8
682	A multi-element proportional chamber used in an experiment on β -decay of ^{136}Xe . Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 315, 252-256.	1.6	8
683	W pair production cross-section and W branching fractions in e^+e^- interactions at 183 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 310-321.	4.1	8
684	Search for a heavy resonance decaying into a Z boson and a Z or W boson in $\text{pp} \rightarrow \text{Z} \gamma \text{pp}$ final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
685	Measurement of the inclusive charmless and double-charm B branching ratios. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 426, 193-206.	4.1	7
686	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.	4.7	7
687	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.	4.7	7
688	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.	4.7	7
689	Study of central exclusive "Equation missing" production in proton-proton collisions at $\sqrt{s}=5.02$ and 13 TeV. European Physical Journal C, 2020, 80, 718.	3.9	7
690	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. European Physical Journal C, 1999, 6, 385.	3.9	7
691	Multielement Proportional Chamber for ^{136}Xe $\beta\beta$ decay. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1986, 252, 227-233.	1.6	6
692	Multielement proportional chamber a study of background in the Gran Sasso underground laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 323, 125-134.	1.6	6
693	A search for invisible Higgs bosons produced in e^+e^- interactions at LEP 2 energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 459, 367-381.	4.1	6
694	Measurement of the cross section for production of b decaying to muons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	6
695	Search for anomalous production of highly boosted bosons decaying to $\mu\mu$. Physical Review D, 2014, 90, 1.	4.1	6
696	Search for jet extinction in the inclusive jet+jet production from proton-proton collisions at $\sqrt{s}=8$ TeV. Physical Review D, 2014, 90, 1.	4.7	6
697	Measurements of triple-differential cross sections for inclusive isolated-photon+jet events in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2019, 79, 969.	3.9	6
698	Search for the associated production of the Higgs boson with a top-quark pair. , 2014, 2014, 1.		6
699	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.	4.7	6
700	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.	4.7	6
701	Milano experiment on double beta decay of ^{136}Xe and other nuclides: Status report. Nuclear Physics A, 1988, 478, 453-458.	1.5	5
702	Separation of rare gases from radioactive contaminants by means of an ultracentrifuge. Nuclear Instruments & Methods in Physics Research B, 1992, 62, 529-534.	1.4	5

#	ARTICLE	IF	CITATIONS
703	Search for Bs0- oscillations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 414, 382-400.	4.1	5
704	Search for scalar fermions and long-lived scalar leptons at centre-of-mass energies of 130 GeV to 172 GeV. European Physical Journal C, 1999, 6, 385-401.	3.9	5
705	Commissioning of the CMS High-Level Trigger with cosmic rays. Journal of Instrumentation, 2010, 5, T03005-T03005.	1.2	5
706	Search for contact interactions in $pp \rightarrow \mu^+ \mu^- \mu^+ \mu^-$ collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, 014017.	4.7	5
707	Study of final-state radiation in decays of Z bosons produced in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review D, 2015, 91, .	4.7	5
708	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. Journal of High Energy Physics, 2018, 2018, 1.	4.7	5
709	Search for the pair production of light top squarks in the $e^+e^- \rightarrow \mu^+\mu^- \tilde{t}\tilde{t}^*$ final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
710	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.		5
711	Search for pair-produced neutralinos in events with photons and missing energy from. European Physical Journal C, 1999, 6, 371.	3.9	5
712	Measurement of single-diffractive dijet production in proton-proton collisions at $\sqrt{s} = 8$ TeV with the CMS and TOTEM experiments. European Physical Journal C, 2020, 80, 1164.	3.9	5
713	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.	4.7	5
714	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, .	4.7	5
715	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.	4.7	5
716	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.	4.7	5
717	The High Density Projection Chamber for the Delphi Experiment at LEP. IEEE Transactions on Nuclear Science, 1985, 32, 705-710.	2.0	4
718	Search for cold fusion induced by electrolysis in palladium. Il Nuovo Cimento A, 1990, 103, 1617-1638.	0.2	4
719	Search for pair-produced neutralinos in events with photons and missing energy from e^+e^- collisions at $\sqrt{s} = 130 - 183$ GeV. European Physical Journal C, 1999, 6, 371-384.	3.9	4
720	Search for pair production of excited top quarks in the lepton + jets final state. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4

#	ARTICLE	IF	CITATIONS
721	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.	3.9	4
722	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, .	4.7	4
723	Study of aging effects in the HPC readout chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 367, 302-305.	1.6	3
724	Empirical formula for thin-rod neutrino target particle production. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 349-352.	1.6	3
725	Design and performance of the cooling system for the electromagnetic calorimeter of CMS. , 0, , .		3
726	PERFORMANCE OF THE COOLING SYSTEM OF ECAL CMS. , 2004, , .		3
727	Study of hadronic event-shape variables in multijet final states in pp collisions at $s = 7 \sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	3
728	Inside HOLMES experiment: ^{163}Ho metallic target production for the micro-calorimeter absorber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 223-225.	1.6	3
729	Calibration of the CMS hadron calorimeters using proton-proton collision data at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P05002-P05002.	1.2	3
730	Measurement of the B^0_d oscillation frequency using kaons, leptons and jet charge. Zeitschrift für Physik C-Particles and Fields, 1996, 72, 17-30.	1.5	3
731	Measurements of the $(p \rightarrow Z) \rightarrow \ell \ell$ production cross section and the $(Z \rightarrow \ell \ell)$ branching fraction, and constraints on anomalous triple gauge couplings at $(\sqrt{s} = 13 \text{ TeV})$. , 2018, 78, 1.		3
732	Contained events in the Mont-Blanc nucleon stability experiment. Il Nuovo Cimento Della Società Italiana Di Fisica C, 1986, 9, 182-184.	0.2	2
733	New large area glass RPC: development, production and performances. IEEE Transactions on Nuclear Science, 2006, 53, 341-345.	2.0	2
734	Search for new phenomena with multiple charged leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	2
735	Measurements of angular distance and momentum ratio distributions in three-jet and $Z + \text{two-jet}$ final states in pp collisions. European Physical Journal C, 2021, 81, 852.	3.9	2
736	Mean lifetime of the B_s^0 meson. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 11-30.	1.5	2
737	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.	4.7	2
738	Search for lightest neutralino and stau pair production in light gravitino scenarios with stau NLSP. European Physical Journal C, 1999, 7, 595.	3.9	2

#	ARTICLE	IF	CITATIONS
739	Measurement of the inclusive $\sigma(\text{t}\bar{\text{t}})$ production cross section in proton-proton collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	2
740	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, .	4.7	2
741	Limit on monopole flux in the Mont Blanc NUSEX experiment. Il Nuovo Cimento Della SocietÀ Italiana Di Fisica C, 1986, 9, 551-558.	0.2	1
742	Performance of an artificially aged module of the DELPHI HPC calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 378, 499-505.	1.6	1
743	Status of the HOLMES detector development. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 824, 182-183.	1.6	1
744	Direct neutrino mass measurement by the HOLMES experiment. Journal of Physics: Conference Series, 2018, 1056, 012039.	0.4	1
745	Probing the absolute neutrino mass scale with ^{163}Ho : The HOLMES project. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 252-253.	1.6	1
746	Probing the absolute neutrino mass scale with the ^{163}Ho : the HOLMES project. Journal of Physics: Conference Series, 2020, 1342, 012092.	0.4	1
747	Status of the HOLMES Experiment. Journal of Low Temperature Physics, 2020, 199, 1098-1106.	1.4	1
748	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.	4.7	1
749	Observation of $B^0 \rightarrow \psi(2S)K^0_{\text{S}} \mu^+ \mu^-$ and $B^0_{\text{S}} \rightarrow \psi(2S)K^0_{\text{S}} \mu^+ \mu^-$ decays. European Physical Journal C, 2022, 82, .	3.9	1
750	Measurement of inclusive Z^0 production in hadronic Z^0 decays. Zeitschrift Für Physik C-Particles and Fields, 1995, 69, 561-573.	1.5	0
751	Study of ageing side effects in the Delphi HPC calorimeter. Nuclear Physics, Section B, Proceedings Supplements, 1997, 54, 204-209.	0.4	0
752	Calibration of the DELPHI HPC calorimeter during the LEP2 programme. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 421, 69-74.	1.6	0
753	A new high-density detector for atmospheric neutrinos. Towards neutrino stoichiometry. Nuclear Physics, Section B, Proceedings Supplements, 2000, 85, 58-63.	0.4	0
754	Baseline concept for a precise measurement of atmospheric neutrino oscillation. AIP Conference Proceedings, 2000, , .	0.4	0
755	New large area glass RPC: development, production and performances.. , 0, , .		0
756	High energy resolution thermal microcalorimeters for the HOLMES experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 936, 180-181.	1.6	0

#	ARTICLE	IF	CITATIONS
757	Commissioning of the Ion Implanter for the HOLMES Experiment. Journal of Low Temperature Physics, 0, , .	1.4	0