

Ivica Puljak

List of Publications by Year in descending order

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Version: 2024-02-01

1,104
papers

59,027
citations

2093

100
h-index

3094

187
g-index

1127
all docs

1127
docs citations

1127
times ranked

15668
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new boson at a mass of 125 GeV with the CMS experiment at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 30-61.	1.5	6,177
2	The CMS experiment at the CERN LHC. Journal of Instrumentation, 2008, 3, S08004-S08004.	0.5	2,192
3	Multimessenger observations of a flaring blazar coincident with high-energy neutrino IceCube-170922A. Science, 2018, 361, .	6.0	654
4	Precise determination of the mass of the Higgs boson and tests of compatibility of its couplings with the standard model predictions using proton collisions at 7 and 8 TeV. European Physical Journal C, 2015, 75, 212.	1.4	541
5	Observation of long-range, near-side angular correlations in pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 795-814.	1.5	520
6	Event generator tunes obtained from underlying event and multiparton scattering measurements. European Physical Journal C, 2016, 76, 155.	1.4	499
7	Observation of long-range, near-side angular correlations in proton-proton collisions at the LHC. Journal of High Energy Physics, 2010, 2010, 1.	1.6	497
8	Combined results of searches for the standard model Higgs boson in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 26-48.	1.5	470
9	Observation and studies of jet quenching in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Transverse Momentum and Pseudorapidity Distributions of Charged Hadrons in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2011, 71, 1555-1570.	1.1	455
10	Observation of long-range, near-side angular correlations in proton-proton collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2010, 2010, 1.	2.9	400
11	Study of high- p_T charged particle suppression in PbPb compared to pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	369
12	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
13	Multiplicity and transverse momentum dependence of two- and four-particle correlations in pPb and PbPb collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 724, 213-240.	1.5	354
14	Particle-flow reconstruction and global event description with the CMS detector. Journal of Instrumentation, 2017, 12, P10003-P10003.	0.5	348
15	Observation of the diphoton decay of the Higgs boson and measurement of its properties. European Physical Journal C, 2014, 74, 3076.	1.4	342
16	Observation of a new boson with mass near 125 GeV in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	320
17	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	1.4	320
18	The CMS trigger system. Journal of Instrumentation, 2017, 12, P01020-P01020.	0.5	307

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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, .	1.6	185
38	Performance of the MAGIC stereo system obtained with Crab Nebula data. Astroparticle Physics, 2012, 35, 435-448.	1.9	183
39	Centrality dependence of dihadron correlations and azimuthal anisotropy harmonics in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ mTeV. European Physical Journal C, 2012, 72, 1.	1.4	181
40	Performance of the CMS muon detector and muon reconstruction with proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2018, 13, P06015-P06015.	0.5	180
41	Standard model Higgs-boson branching ratios with uncertainties. European Physical Journal C, 2011, 71, 1.	1.4	179
42	Search for heavy neutrinos and W bosons with right-handed couplings in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3149.	1.4	179
43	Evidence for Collective Multiparticle Correlations in p -Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 012301.	2.9	177
44			

#	ARTICLE	IF	CITATIONS
55	Indications of Suppression of Excited Υ States in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 052302.	2.9	153
56	The major upgrade of the MAGIC telescopes, Part I: The hardware improvements and the commissioning of the system. Astroparticle Physics, 2016, 72, 61-75.	1.9	150
57	Search for the standard model Higgs boson decaying into two photons in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 403-425.	1.5	148
58	Search for supersymmetry in hadronic final states with missing transverse energy using the variables $\hat{\mu}_T$ and b-quark multiplicity in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2013, 73, 2568.	1.4	147
59	Search for invisible decays of a Higgs boson produced through vector boson fusion in proton-proton collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	1.4	146
60	Modification of jet shapes in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 730, 243-263.	1.5	144
61	The Blazar TXS 0506+056 Associated with a High-energy Neutrino: Insights into Extragalactic Jets and Cosmic-Ray Acceleration. Astrophysical Journal Letters, 2018, 863, L10.	3.0	141
62	Evidence for transverse-momentum- and pseudorapidity-dependent event-plane fluctuations in PbPb and pPb collisions. Physical Review C, 2015, 92, .	1.1	140
63	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	139
64	Measurement of Long-Range Near-Side Two-Particle Angular Correlations in pPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 172302.	2.9	139
65	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	1.4	135
66	Measurement of higher-order harmonic azimuthal anisotropy in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	1.4	133
67	Studies of jet quenching using isolated-photon + jet correlations in PbPb and pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 718, 773-794.	1.5	130
68	A search for a doubly-charged Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	1.4	129
69	Constraints on the Higgs boson width from off-shell production and decay to Z-boson pairs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 64-85.	1.5	129
70	Black hole lightning due to particle acceleration at subhorizon scales. Science, 2014, 346, 1080-1084.	6.0	128
71	Search for Dijet Resonances in $\sqrt{s} = 7$ TeV pp Collisions at CMS. Physical Review Letters, 2010, 105, 211801.	2.9	126
72	Search for Dark Matter and Large Extra Dimensions in pp Collisions Yielding a Photon and Missing Transverse Energy. Physical Review Letters, 2012, 108, 261803.	2.9	126

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73	Measurement of the inclusive jet cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 132001.	2.9	125
74	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	125
75	Observation of the Higgs boson decay to a pair of τ , leptons with the CMS detector. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018, 779, 283-316.	1.5	125
76	Evidence for the 125 GeV Higgs boson decaying to a pair of τ , leptons. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	123
77	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 14$ TeV in 2015 and 2016 at CMS. <i>European Physical Journal C</i> , 2021, 81, 800.	1.4	123
78	Measurements of inclusive W and Z cross sections in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	1.6	122
79	Measurement of isolated photon production in pp and PbPb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2011, 107, 132001.	1.5	122
80	Search for diphoton resonances in the mass range from 150 to 850 GeV in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 494-519.	1.5	120
81	CMS tracking performance results from early LHC operation. <i>European Physical Journal C</i> , 2010, 70, 1165-1192.	1.4	120
82	Search for neutral Higgs bosons decaying to tau pairs in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 713, 68-90.	1.5	120
83	Search for resonances in the dijet mass spectrum from 7 TeV pp collisions at CMS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 704, 123-142.	1.5	118
84	Search for New Physics in the Multijet and Missing Transverse Momentum Final State in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2012, 109, 171803.	2.9	118
85	Searches for long-lived charged particles in pp collisions at $\sqrt{s} = 7$ and 8 TeV. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	118
86	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	117
87	Measurements of differential jet cross sections in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2011, 107, 132001.	1.6	115
88	Search for Narrow Resonances Decaying to Dijets in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2016, 116, 071801.	2.9	114
89	Observation of a peaking structure in the $B \rightarrow \tau \nu$ mass spectrum from pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2016, 116, 071801.	1.1	113
90	Search for a light charged Higgs boson in top quark decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.5	112

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91	MAGIC GAMMA-RAY TELESCOPE OBSERVATION OF THE PERSEUS CLUSTER OF GALAXIES: IMPLICATIONS FOR COSMIC RAYS, DARK MATTER, AND NGC 1275. Astrophysical Journal, 2010, 710, 634-647.	1.6	110
92	Inclusive search for a vector-like T quark with charge $\frac{2}{3}$ in pp collisions at $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 729, 149-171.	1.5	110
93	Observation of the Associated Production of a Single Top Quark and a Higgs Boson in $pp \rightarrow tH$ Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231801.	1.6	108
94	Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 231801.	2.9	108
95	Azimuthal Anisotropy of Charged Particles at High Transverse Momenta in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 231801.	1.6	106
96	Observation of Charge-Dependent Azimuthal Correlations in pp Collisions and Its Implication for the Search for the Chiral Magnetic Effect. Physical Review Letters, 2017, 118, 122301.	1.6	106
97	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9, 2.36, \text{ and } 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.9	105
98	Optimized dark matter searches in deep observations of Segue 1 with MAGIC. Journal of Cosmology and Astroparticle Physics, 2014, 2014, 008-008.	1.6	103
99	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.	2.9	102
100	Combination of Searches for Higgs Boson Pair Production in Proton-Proton Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2019, 122, 121803.	1.6	101
101	Measurements of properties of the Higgs boson decaying into the four-lepton final state in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	100
102	Nuclear modification factor of D0 mesons in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	1.6	100
103	Search for new physics in the multijet and missing transverse momentum final state in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	99
104	Dependence on pseudorapidity and on centrality of charged hadron production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	99
105	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.		

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109	Measurement of the Electron Charge Asymmetry in Inclusive W Production in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	2.9	95
110	Search for supersymmetry in hadronic final states using M_{T2} in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	95
111	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	1.6	95
112	Measurement of $W+W\bar{a}$ production and search for the Higgs boson in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 689, 424-443.	1.5	90
113	Boson Production Cross Sections in pp Collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	2.9	94
114	Measurement of the top quark mass using proton-proton data at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2016, 93, .	1.6	92
115	Search for a Higgs boson in the mass range from 145 to 1000 GeV decaying to a pair of W or Z bosons. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	92
116	First measurement of the cross section for top-quark pair production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 424-443.	1.5	90
117	Searches for new physics using the ΔE invariant mass distribution in pp collisions at $\sqrt{s} = 8$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	2.9	90
118	Search for long-lived neutral particles decaying to quark-antiquark pairs in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review D</i> , 2015, 91, .	1.6	90
119	MULTIWAVELENGTH STUDY OF QUIESCENT STATES OF Mrk 421 WITH UNPRECEDENTED HARD X-RAY COVERAGE PROVIDED BY NuSTAR IN 2013. <i>Astrophysical Journal</i> , 2016, 819, 156.	1.6	90
120	Search for dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter and other models. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, .	1.5	90
121	and W production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	1.5	89
122	Upsilon production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	1.6	88
123	Measurement of the W production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	1.6	88
124	Measurement of the W production cross section in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , 2013, 111, 211804.	1.6	88
125	Measurement of the inelastic proton-proton cross section at $\sqrt{s} = 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 722, 5-27.	1.5	88
126	Measurements of differential and double-differential Drell-Yan cross sections in proton-proton collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 147.	1.4	88

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127	Angular analysis of the decay $B_0 \rightarrow \pi^+ \pi^- \pi^0$ from pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.5	87
128	Observation of Electroweak Production of Same-Sign $W^\pm Z$ Boson Pairs in the Two Jet and Two Same-Sign Lepton Final State in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	2.9	86
129	Search for high-mass resonances in dilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	86
130	Measurement of jet fragmentation into charged particles in pp and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	85
131	Evidence of b -jet Quenching in PbPb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2014, 113, 132301.	2.9	85
132	Study of double parton scattering using $W + 2$ -jet events in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
133	Search for massive resonances in dijet systems containing jets tagged as W or Z boson decays in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	85
134	Study of the production of charged pions, kaons, and protons in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 2847.	1.4	85
135	Phase-resolved energy spectra of the Crab pulsar in the range of 50–400 GeV measured with the MAGIC telescopes. Astronomy and Astrophysics, 2012, 540, A69.	2.1	84
136	Performance of the CMS Level-1 trigger in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of Instrumentation, 2020, 15, P10017-P10017.	0.5	84
137	Measurement of the single-top-quark t -channel cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	83
138	Study of 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, 2014, 347, 299.	1.5	83
139	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu \nu$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.6	83
140	Measurement of the differential cross section and charge asymmetry for inclusive $W \rightarrow \mu \nu$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	1.4	83
141	Measurement of prompt and nonprompt charmonium suppression in PbPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 509.	1.4	83
142	Performance of missing transverse momentum reconstruction in proton-proton collisions at $\sqrt{s} = 13$ TeV using the CMS detector. Journal of Instrumentation, 2019, 14, P07004-P07004.	0.5	83
143	Measurement of the W boson production cross section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	2.9	82
144	Teraelectronvolt pulsed emission from the Crab Pulsar detected by MAGIC. Astronomy and Astrophysics, 2016, 585, A133.	2.1	82

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145	Suppression and azimuthal anisotropy of prompt and nonprompt ψ/ψ' production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 252.	1.4	82
146	Search for narrow and broad dijet resonances in proton-proton collisions at $\sqrt{s} = 13$ TeV and constraints on dark matter mediators and other new particles. Journal of High Energy Physics, 2018, 2018, 1.	1.6	82
147	J/ψ and $\psi(2S)$ production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	81
148	Search for heavy narrow dilepton resonances in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.5	81
149	Search for neutral MSSM Higgs bosons decaying to a pair of tau leptons in pp collisions. Journal of High Energy Physics, 2014, 2014, 1.	1.6	81
150	Search for a charged Higgs boson in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	81
151	Measurement of the $B \rightarrow p$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80
152	Study of Z boson production in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 212301.	2.9	80
153	Study of Vector Boson Scattering and Search for New Physics in Events with Two Same-Sign Leptons and Two Jets. Physical Review Letters, 2015, 114, 051801.	2.9	80
154	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.	1.5	79
155	DETECTION OF VERY HIGH ENERGY γ -RAY EMISSION FROM THE PERSEUS CLUSTER HEAD-TAIL GALAXY IC 310 BY THE MAGIC TELESCOPES. Astrophysical Journal Letters, 2010, 723, L207-L212.	3.0	78
156	VERY HIGH ENERGY γ -RAYS FROM THE UNIVERSE'S MIDDLE AGE: DETECTION OF THE $z = 0.940$ BLAZAR PKS 1441+25 WITH MAGIC. Astrophysical Journal Letters, 2015, 815, L23.	3.0	78
157	Search for physics beyond the standard model in dilepton mass spectra in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	78
158	Search for new physics in final states with an energetic jet or a hadronically decaying W boson and transverse momentum imbalance at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 212301.	1.6	78
159	Search for production of four top quarks in final states with same-sign or multiple leptons in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 75.	1.4	78
160	Detection of very-high energy γ -ray emission from NGC 1275 by the MAGIC telescopes. Astronomy and Astrophysics, 2012, 539, L2.	2.1	77
161	Determination of the top quark pole mass and strong coupling constant from the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 212301.	1.5	77
162	Studies of azimuthal dihadron correlations in ultra-central PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	77

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163	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, 345, 271-274.	1.5	77
164	Inclusive and differential measurements of the $t\bar{t}$ charge asymmetry in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2014, 112, 171801.	1.5	76
165	Search for Top-Quark Partners with Charge Asymmetry in the Same-Sign Dilepton Final State. Physical Review Letters, 2014, 112, 171801.	2.9	76
166	Study of exclusive two-photon production of $W+W\hat{a}^{\prime}$ in pp collisions at $\sqrt{s}=7$ TeV and constraints on anomalous quartic gauge couplings. Journal of High Energy Physics, 2013, 2013, 1.	1.6	75
167	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}}=5.02$ TeV. European Physical Journal C, 2014, 74, 1.	1.4	75
168	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs in pp Collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2011, 106, 231801.	2.9	74
169	Measurement of the W^+W^- cross section in pp collisions at $\sqrt{s}=8$ TeV and limits on anomalous gauge couplings. European Physical Journal C, 2016, 76, 401.	1.4	74
170	Search for Narrow Resonances in Dijet Final States at $\sqrt{s}=7$ TeV. Physical Review Letters, 2016, 117, 031802.	2.9	74
171	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	73
172	Search for physics beyond the standard model in final states with a lepton and missing transverse energy in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2015, 91, 112004.	1.6	73
173	Search for a standard model Higgs boson produced in association with a top-quark pair and decaying to bottom quarks using a matrix element method. European Physical Journal C, 2015, 75, 251.	1.4	73
174	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s}=7$ TeV. Physical Review D, 2016, 94, 112004.	1.6	73
175	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s}=13$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
176	Search for additional neutral MSSM Higgs bosons in the $\bar{t}t$, final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73
177	Search for additional neutral MSSM Higgs bosons in the $t\bar{t}$, final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	73

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181	Measurement of the t-channel single-top-quark production cross section and of the $ V_{tb} $ CKM matrix element in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
182	MAGIC gamma-ray and multi-frequency observations of flat spectrum radio quasar PKS 1510+089 in early 2012. Astronomy and Astrophysics, 2014, 569, A46.	2.1	70
183	Search for long-lived particles that decay into final states containing two electrons or two muons in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	70
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367	Search for pair production of first and second generation leptoquarks in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 93, .	1.6	43
368	Search for new phenomena in monophoton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 102-124.	1.5	43
369	Search for natural and split supersymmetry in proton-proton collisions at $\sqrt{s} = 13$ TeV in final states with jets and missing transverse momentum. Journal of High Energy Physics, 2018, 2018, 1.	1.6	43
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381	Search for pair-produced vectorlike quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 128.	1.6	41
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383	Measurement of the $t\bar{t}$ production cross section in the all-jets final state in pp collisions at $\sqrt{s}=8$ and 13 TeV. European Physical Journal C, 2016, 76, 128.	1.4	41
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400	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.	1.5	40
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406	Search for the standard model Higgs boson produced in association with a top-quark pair in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	1.6	39
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408	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.	1.6	39
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457	Search for pair production of vectorlike quarks in the fully hadronic final state. Physical Review D, 2019, 100, .	1.6	35
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466	Searches for supersymmetry using the M_{T2} variable in hadronic events produced in pp collisions at 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	34
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474	Search for single production of vector-like quarks decaying to a top quark and a W boson in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2019, 79, 90.	1.4	34
475	Search for vectorlike leptons in multilepton final states in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 100, 115011.	1.6	34
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481	Search for heavy resonances decaying to two Higgs bosons in final states containing four b quarks. European Physical Journal C, 2016, 76, 371.	1.4	33
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489	Measurement of $\sigma(\text{H} \rightarrow \text{B}\bar{\text{B}})$ normalised multi-differential cross sections in \sqrt{s} collisions at $\sqrt{s}=13$, \sqrt{s} TeV, and simultaneous determination of the strong coupling strength, top quark pole mass, and parton distribution functions. European Physical Journal C, 2020, 80, 1.	1.4	33
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493	Search in leptonic channels for heavy resonances decaying to long-lived neutral particles. Journal of High Energy Physics, 2013, 2013, 1.	1.6	32
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496	Measurements of the $\sigma(\text{Z}\text{Z})$ production cross sections in the $2\ell 2\ell$ channel in proton-proton collisions at $\sqrt{s}=7$ and $\sqrt{s}=8$ TeV. European Physical Journal C, 2015, 75, 511.	1.4	32
497	Correlations in Pb-Pb and \sqrt{s} collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2018, 121, 242301.	2.9	32
498	Searches for pair production of third-generation squarks in $\sqrt{s}=13$ TeV pp collisions. European Physical Journal C, 2017, 77, 327.	1.4	32
499	Observation of Medium-Induced Modifications of Jet Fragmentation in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Using Isolated Photon-Tagged Jets. Physical Review Letters, 2018, 121, 242301.	2.9	32
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518	Measurement of the CP-violating weak phase $\arg(V_{cb} V_{ub}^*)$ and the decay width difference $\Delta\Gamma_b$ using the $B \rightarrow D^* \tau \nu$ system. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 77, 751.	1.5	30
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520	Measurements of the associated production of a Z boson and b jets in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2017, 77, 751.	1.4	30
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522	Study of jet quenching with isolated-photon+jet correlations in PbPb and pp collisions at $\sqrt{s_{NN}} = 2.76$ and 2.76 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 14-39.	1.6	30

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554	Search for single production of scalar leptoquarks in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2016, 93, .	1.6	27
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638	Search for physics beyond the standard model in events with jets and two same-sign or at least three charged leptons in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2020, 80, 752.	1.4	23
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717	Measurement of differential cross sections for inclusive isolated-photon and photon+jet production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2019, 79, 20.	1.4	18
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741	Measurement of the production cross section for single top quarks in association with W bosons in proton-proton collisions at $\sqrt{s}=13$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	1.6	17
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#	ARTICLE	IF	CITATIONS
1099	Observation of $B \rightarrow S \psi(2S) K^0_{\text{charm}}$ and $B \rightarrow S \psi(2S) K^0_{\text{charm}}$ decays. European Physical Journal C, 2022, 82, .	1.4	1
1100	Higgs boson search in the $H \rightarrow ZZ$ decay channels with the CMS detector. , 2010, , .		0
1101	Search for natural supersymmetry in events with top quark pairs and photons in pp collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	0
1102	Combined search for supersymmetry with photons in proton-proton collisions at $\sqrt{s}=13$ TeV. https://arxiv.org/abs/1908.09811 and High-Energy Physics, 2020, 801, 135183.	1.5	0
1103	Search for high-mass resonances decaying to a jet and a Lorentz-boosted resonance in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 832, 137263.	1.5	0