

Andrea Dainese

List of Publications by Year in descending order

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332
papers

22,990
citations

4960

84
h-index

10158

140
g-index

334
all docs

334
docs citations

334
times ranked

8024
citing authors

#	ARTICLE	IF	CITATIONS
1	The ALICE experiment at the CERN LHC. <i>Journal of Instrumentation</i> , 2008, 3, S08002-S08002.	1.2	811
2	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2010, 105, 252302.	7.8	659
3	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2010, 105, 252302.	7.8	659
4	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 106, 032301.	7.8	507
5	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	7.8	482
6	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	2.9	465
7	ALICE: Physics Performance Report, Volume II. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 1295-2040.	3.6	441
8	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 30-39.	4.1	433
9	Heavy-flavour and quarkonium production in the LHC era: from proton to heavy-ion collisions. <i>European Physical Journal C</i> , 2016, 76, 107.	3.9	400
10	FCC Physics Opportunities. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	346
11	Multiplicity dependence of pion, kaon, proton and lambda production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 720, 52-62.	4.1	307
12	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 720, 52-62.	4.1	301
13	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	7.8	296
14	Production of Λ and $\bar{\Lambda}$ in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	7.8	270
15	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ with ALICE. <i>Physical Review C</i> , 2013, 88, .	2.9	267
16	Heavy-ion collisions at the LHC – Last call for predictions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 054001.	3.6	255
17	Two-pion Bose-Einstein correlations in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	4.1	235
18	Long-range angular correlations of Λ and $\bar{\Lambda}$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ <i>Physical Review Letters</i> , 2011, 107, 032301.	4.1	235

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19	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
20	Leading-particle suppression in high energy nucleus-nucleus collisions. European Physical Journal C, 2005, 38, 461-474.	3.9	223
21	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7\mathrm{TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
22	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	4.1	210
23	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900\mathrm{GeV}$ with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
24	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2013, 110, 012301.	3.9	205
25	Charmonium and $e+e^{-}$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. European Physical Journal C, 2013, 73, 2617.	3.9	203
26	Measurement of inelastic, single- and double-diffraction cross sections in proton-proton collisions at the LHC with ALICE. European Physical Journal C, 2013, 73, 2456.	3.9	202
27	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and $2.36\mathrm{TeV}$ with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
28	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2012, 109, 252301.	7.8	194
29	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 249-264.	4.1	189
30	Testing the color charge and mass dependence of parton energy loss with heavy-to-light ratios at BNL RHIC and CERN LHC. Physical Review D, 2005, 71, .	4.1	188
31	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2012, 109, 252301.	4.7	184
32	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2016, 116, 222302.	7.8	182
33	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review C, 2015, 91, 014907.	4.1	180
34	Photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2012, 109, 252301.	4.1	171
35	Meson Elliptic Flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76\mathrm{TeV}$. Physical Review Letters, 2013, 111, 102301.	7.8	171

#	ARTICLE	IF	CITATIONS
37	Centrality, rapidity and transverse momentum dependence of π production in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	171
38	Direct photon production in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	163
39	Transverse momentum spectra of charged particles in proton-proton collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	156
40	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 235-248.	4.1	154
41	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	7.8	155
42	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	7.8	151
43	Measurement of pion, kaon and proton production in proton-proton collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2015, 75, 226.	3.9	149
44	Anisotropic Flow of Charged Particles in Pb-Pb Collisions at the LHC. Physical Review Letters, 2016, 116, 132302.	7.8	148
45	Strange particle production in proton-proton collisions at $\sqrt{s} = 0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	140
46	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	139
47	Correlated Event-by-Event Fluctuations of Flow Harmonics in Pb-Pb Collisions at the LHC. Physical Review Letters, 2016, 117, 182301.	7.8	138
48	Extraction of heavy-flavor transport coefficients in QCD matter. Nuclear Physics A, 2018, 979, 21-86.	1.5	137
49	Centrality dependence of particle production in Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 717, 162-172.	2.9	135
50	Centrality dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	133
51	Multiplicity dependence of the average transverse momentum in pp, p-Pb, and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 727, 371-380.	4.1	130
52	Multiparticle azimuthal correlations in Pb-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130

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55	Production of light nuclei and anti-nuclei in pp and Pb-Pb collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2016, 93, .	2.9	129
56	How sensitive are high- electron spectra at RHIC to heavy quark energy loss?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 637, 362-366.	4.1	128
57	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
58	First proton-proton collisions at the LHC as observed with the ALICE detector: measurement of the charged-particle pseudorapidity density at $\sqrt{s}=900$ GeV. European Physical Journal C, 2010, 65, 111-125.	3.9	124
59	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in pp collisions at $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2015, 75, 1.	4.1	115
60	Measurement of charm production at central rapidity in proton-proton collisions at $\sqrt{s}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	115
61	Production of $\Lambda(1520)$ and $\bar{\Lambda}(1520)$ in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
62	Multi-strange baryon production in p-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 107, 172301.	4.1	111
63	Production of charged pions, kaons, Lambda baryons and hyperons in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2011, 83, 054907.	2.9	110
64	Measurement of jet suppression in central Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 746, 1-14.	4.1	105
65	Energy dependence of the transverse momentum distributions of charged particles in pp collisions measured by ALICE. European Physical Journal C, 2013, 73, 2662.	3.9	101
66	Azimuthal anisotropy of meson production in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2011, 83, 054907.	2.9	101
67	Photoproduction off Protons in Ultraperipheral Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	100
68	Polarization in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2011, 83, 054907.	7.8	99
69	Enhancement of hyperon production at central rapidity in 158A GeV/c Pb-Pb collisions. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, 427-441.	3.6	98
70	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2012, 108, 092301.	7.8	97
71	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in pp and Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. European Physical Journal C, 2015, 75, 1.	7.8	96
72	Measurement of Prompt Meson Production in Pb-Pb Collisions at $\sqrt{s}=2.76$ TeV. Physical Review C, 2011, 83, 054907.	7.8	94

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73	Femtoscopic view of $\langle m \rangle$ collisions at $\sqrt{s_{NN}} = 0.9$ TeV and $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.7	93
74	Production as a function of charged particle multiplicity in pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	93
75	$\langle m \rangle$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	93
76	$\langle m \rangle$ suppression at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	92
77	Measurement of quarkonium production at forward rapidity in $\sqrt{s_{NN}} = 7$ TeV. <i>European Physical Journal C</i> , 2014, 74, 2974.	3.9	89
78	Production of K^0_S and ϕ (1020) in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i> , 2016, 76, 245.	3.9	89
79	Multiplicity dependence of light-flavor hadron production in $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	2.9	89
80	Inclusive $\langle m \rangle$ production in pp collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	88
81	Transverse momentum dependence of D-meson production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	88
82	Centrality dependence of the nuclear modification factor of charged pions, kaons, and protons in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	87
83	Measurement of $\langle m \rangle$ production in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	4.1	86
84	Multi-strange baryon production in pp collisions at $\sqrt{s_{NN}} = 7$ TeV with ALICE. <i>Physical Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 712, 309-318.	4.1	86
85	and meson production at high transverse momentum in $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	2.9	86
86	Pseudorapidity and transverse-momentum distributions of charged particles in proton-proton collisions at $\sqrt{s_{NN}} = 13$ TeV. <i>Physical Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 753, 319-329.	4.1	82
87	Meson Azimuthal Anisotropy in Midcentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	7.8	80
88	Measurement of an Excess in the Yield of $\langle m \rangle$ Production at Very Low $\langle m \rangle$. <i>Physical Review C</i> , 2016, 93, 044904.	7.8	77
89	Production of ^4He and ^4He in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2016, 93, 044904.	7.8	77
90	Production of ^4He and ^4He in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Nuclear Physics A</i> , 2018, 971, 1-20.	1.5	74

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91	Neutral pion production at midrapidity in pp and Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76, \sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72
92	Evidence of Spin-Orbital Angular Momentum Interactions in Relativistic Heavy-Ion Collisions. Physical Review Letters, 2020, 125, 012301.	7.8	72
93	Energy dependence of hyperon production in nucleus–nucleus collisions at SPS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 68-74.	4.1	71
94	Production of deuterons, tritons, ^3He and ^4He nuclei, and their antinuclei in heavy-ion collisions at forward rapidity in proton–proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	2.9	71
95	Heavy-flavour decay muon production at forward rapidity in proton–proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	4.1	67
96	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2013, 111, 162301.	7.8	69
97	Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	68
98	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb–Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 772, 567-577.	7.8	67
99	Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 072002.	4.1	67
100	Transverse momentum spectra and nuclear modification factors of charged particles in Xe–Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 166-179.	7.8	66
101	First Observation of an Attractive Interaction between a Proton and a Cascade Baryon. Physical Review Letters, 2019, 123, 112002.	4.1	64
102	Study of the Λ – $\bar{\Lambda}$ interaction with femtoscopy correlations in ^3He – ^3He collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	2.9	64
103	Charged-particle multiplicities in proton–proton collisions at $\sqrt{s} = 0.9$ to 8 TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
104	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	62
105	Centrality and pseudorapidity dependence of the charged-particle multiplicity density in Xe–Xe collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 35-48.	4.1	62

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109	Two-pion Bose-Einstein correlations in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2010, 82, 014004.	4.7	61
110	Event-by-event mean $\langle p_T \rangle$ fluctuations in pp and $Pb-Pb$ collisions at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	61
111	Production of inclusive π^0 and K^0_S in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 111, 232302.	4.7	60
112	Measurement of event background fluctuations for charged particle jet reconstruction in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	58
114	Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in $Pb-Pb$ Collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , 2013, 111, 232302.	7.8	58
115	Transverse momentum dependence of inclusive primary charged-particle production in $Pb-Pb$ collisions at $\sqrt{s} = 5.02$ TeV. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	58
116	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	57
117	Constraining the magnitude of the Chiral Magnetic Effect with Event Shape Engineering in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 77, 131102.	4.7	56
118	Global polarization of Λ and $\bar{\Lambda}$ hyperons in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 77, 131102.	2.9	55
119	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	54
120	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.1	51
121	Two- and three-pion quantum statistics correlations in $Pb-Pb$ collisions at the LHC. <i>Physical Review C</i> , 2014, 89, 014907.	2.9	51
122	Measurement of charm and beauty production at central rapidity versus charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	50
123	Linear and non-linear flow mode in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 77, 68-88.	4.1	50
124	Energy dependence of forward-rapidity $\langle p_T \rangle$ and $\langle p_T^2 \rangle$ production in pp collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 392.	3.9	50
125	Measurement of charged jet production cross sections and nuclear modification in $Pb-Pb$ collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 68-81.	4.1	49
126	Probing the Effects of Strong Electromagnetic Fields with Charge-Dependent Directed Flow in $Pb-Pb$ Collisions at the LHC. <i>Physical Review Letters</i> , 2020, 125, 022301.	7.8	49

#	ARTICLE	IF	CITATIONS
127	Perspectives for the study of charm in-medium quenching at the LHC with ALICE. European Physical Journal C, 2004, 33, 495-503.	3.9	48
128	Measurement of jet quenching with semi-inclusive hadron-jet distributions in central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	48
129	Production of mesons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	2.9	47
130	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
131	One-dimensional pion, kaon, and proton femtoscopy in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2015, 92, .	2.9	46
132	Light vector meson production in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 557-568.	4.1	45
133	Freeze-out radii extracted from three-pion cumulants in pp, pPb and Pb-Pb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 139-151.	4.1	45
134	Forward-central two-particle correlations in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 126-139.	4.1	45
135	Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review Letters, 2017, 119, 242301.	7.8	45
136	J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
137	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
138	Charge-dependent flow and the search for the chiral magnetic wave in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2016, 93, .	2.9	43
139	$\hat{b}+c$ production in pp collisions at $\sqrt{s}=7$ TeV and in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
140	Higher harmonic flow coefficients of identified hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	4.7	40
141	Centrality evolution of the charged-particle pseudorapidity density over a broad pseudorapidity range in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2016, 754, 273-285.	4.1	40
142	Two-pion femtoscopy in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}}=2.76$ TeV. Physical Review C, 2015, 91, .	2.9	39
143	Inclusive quarkonium production at forward rapidity in pp collisions at $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 184.	3.9	39
144	First measurement of jet mass in Pb-Pb and pPb collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 249-264.	4.1	39

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145	Coherent $\rho(2S)$ photo-production in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 358-370.	4.7	38
146	Rapidity and transverse-momentum dependence of the inclusive J/ψ nuclear modification factor in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	38
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182	Strangeness enhancements at central rapidity in 40 A GeV/c Pb-Pb collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2010, 37, 045105.	3.6	28
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189	Event-shape engineering for inclusive spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 152301.	4.1	27
190	Search for weakly decaying $\Lambda(1520)$ in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 152301.	4.1	27
191	Exotic bound states in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i> , 2017, 118, 152301.	4.1	27
192	Multiplicity dependence of light (anti) nucleon production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 800, 135043.	4.1	27
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194	Systematic studies of correlations between different order flow harmonics in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review C</i> , 2018, 97, .	4.7	25
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223	Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135377.	4.1	18
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241	Measurement of strange baryon-antibaryon interactions with femtosopic correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135223.	4.1	14
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