

Carlos A A Salgado

List of Publications by Year in descending order

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302
papers

21,137
citations

4658

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all docs

304
docs citations

304
times ranked

8206
citing authors

#	ARTICLE	IF	CITATIONS
1	EPS09 "A new generation of NLO and LO nuclear parton distribution functions. Journal of High Energy Physics, 2009, 2009, 065-065.	4.7	715
2	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 252302.	7.8	659
3	Elliptic Flow of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 696, 30-39.	4.1	561
4	Centrality Dependence of the Charged-Particle Multiplicity Density at Midrapidity in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	7.8	507
5	Performance of the ALICE experiment at the CERN LHC. International Journal of Modern Physics A, 2014, 29, 1430044.	1.5	486
6	Higher Harmonic Anisotropic Flow Measurements of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 107, 032301.	7.8	482
7	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39.	2.9	465
8	Suppression of charged particle production at large transverse momentum in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 30-39.	4.1	433
9	A Large Hadron Electron Collider at CERN Report on the Physics and Design Concepts for Machine and Detector. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 075001.	3.6	406
10	QCD and strongly coupled gauge theories: challenges and perspectives. European Physical Journal C, 2014, 74, 2981.	3.9	397
11	EPPS16: nuclear parton distributions with LHC data. European Physical Journal C, 2017, 77, 163.	3.9	365
12	Calculating quenching weights. Physical Review D, 2003, 68, .	4.7	308
13	Multiplicity dependence of pion, kaon, proton and lambda production in p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	4.1	307
14	Centrality dependence of charged particle production at large transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 52-62.	4.1	301
15	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 032301.	7.8	296
16	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, .	7.8	270
17	Centrality determination of Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2013, 88, .	2.9	267
18	Heavy-ion collisions at the LHC "Last call for predictions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 054001.	3.6	255

#	ARTICLE	IF	CITATIONS
19	Long-range angular correlations of π K and p in pA and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 164-177.	4.1	235
20	Medium-induced gluon radiation off massive quarks fills the dead cone. Physical Review D, 2004, 69, .	4.7	235
21	AAMQS: A non-linear QCD analysis of new HERA data at small-x including heavy quarks. European Physical Journal C, 2011, 71, 1.	3.9	230
22	Suppression of high transverse momentum D mesons in central Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	228
23	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=7$ TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 345-354.	3.9	212
24	Multi-strange baryon production at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 216-227.	4.1	210
25	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ – $\sqrt{s}=2.76$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
26	The fragility of high-hadron spectra as a hard probe. Nuclear Physics A, 2005, 747, 511-529.	1.5	207
27	Charge separation relative to the reaction plane in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2013, 110, 012301.	7.8	205
28	Charmonium and $e+e^{-}$ pair photoproduction at mid-rapidity in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. European Physical Journal C, 2013, 73, 2617.	3.9	203
29	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
30	Charged-particle multiplicity measurement in proton-proton collisions at $\sqrt{s}=0.9$ and 2.36 TeV with ALICE at LHC. European Physical Journal C, 2010, 68, 89-108.	3.9	199
31	Suppression at Forward Rapidity in Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2012, 109, 072301.	7.8	194
32	Performance of the ALICE VZERO system. Journal of Instrumentation, 2013, 8, P10016-P10016.	1.2	189
33	Production of charged pions, kaons and protons at large transverse momenta in pp and Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 196-207.	4.1	188
34	Harmonic decomposition of two particle angular correlations in Pb-Pb collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 708, 249-264.	4.1	188
35	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, .	4.7	184

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37	Pion, Kaon, and Proton Production in Central Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	7.8	184
38	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	7.8	180
39	Nonlinear QCD meets data: A global analysis of lepton-proton scattering with running coupling Balitsky-Kovchegov evolution. Physical Review D, 2009, 80, .	4.7	174
40	Relating High-Energy Lepton-Hadron, Proton-Nucleus, and Nucleus-Nucleus Collisions through Geometric Scaling. Physical Review Letters, 2005, 94, 022002.	7.8	173
41	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003.	1.2	171
42	Coherent photoproduction in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	4.1	171
43	Centrality, rapidity and transverse momentum dependence of meson elliptic flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	7.8	171
44	Centrality, rapidity and transverse momentum dependence of meson elliptic flow in Noncentral Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	4.1	171
45	Dynamical Scaling Law for Jet Tomography. Physical Review Letters, 2002, 89, 092303.	7.8	161
46	Energy Dependence of the Cronin Effect from Nonlinear QCD Evolution. Physical Review Letters, 2004, 92, 082001.	7.8	157
47	Anisotropic flow of charged hadrons, pions and (anti)protons measured at high transverse momentum in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	4.1	156
48	Transverse momentum spectra of charged particles in proton-proton collisions at $\sqrt{s} = 900$ GeV with ALICE at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 53-68.	7.8	155
49	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	7.8	155
50	Centrality dependence of the pseudorapidity density distribution for charged particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 610-622.	7.8	154
51	Measuring the Collective Flow with Jets. Physical Review Letters, 2004, 93, 242301.	7.8	153
52	Technical Design Report for the Upgrade of the ALICE Inner Tracking System. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087002.	3.6	153
53	Transverse Momentum Distribution and Nuclear Modification Factor of Charged Particles in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	7.8	151
54	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

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55	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
56	An improved global analysis of nuclear parton distribution functions including RHIC data. Journal of High Energy Physics, 2008, 2008, 102-102.	4.7	137
57	Neutral pion and meson production in proton-proton collisions at $\sqrt{s} = 0.9$ and $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	133
58	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
59	Multiparticle azimuthal correlations in p-Pb and Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 90, .	2.9	130
60	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
61	Antiangular Ordering of Gluon Radiation in QCD Media. Physical Review Letters, 2011, 106, 122002.	7.8	128
62	Q-PYTHIA: a medium-modified implementation of final state radiation. European Physical Journal C, 2009, 63, 679.	3.9	125
63	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1530)^0$ in proton-proton collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2015, 75, 1.	3.9	125
64	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
65	Proton-nucleus collisions at the LHC: scientific opportunities and requirements. Journal of Physics G: Nuclear and Particle Physics, 2012, 39, 015010.	3.6	120
66	New picture of jet quenching dictated by color coherence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 725, 357-360.	4.1	120
67	Rapidity and transverse momentum dependence of inclusive π^0 production in pp collisions at $\sqrt{s} = 0.9$ and $\sqrt{s} = 7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 162-172.	4.1	115
68	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
69	Production of $K^*(892)^0$ and $\bar{K}^*(1020)$ in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	111
70	Comparison of jet quenching formalisms for a quark-gluon plasma. Physical Review C, 2012, 86, .	2.9	108
71	Medium Modification of Jet Shapes and Jet Multiplicities. Physical Review Letters, 2004, 93, 042301.	7.8	106
72	Impact-parameter dependent nuclear parton distribution functions: EPS09s and EKS98s and their applications in nuclear hard processes. Journal of High Energy Physics, 2012, 2012, 1.	4.7	104

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73	Numerical analysis of the Balitsky-Kovchegov equation with running coupling: Dependence of the saturation scale on nuclear size and rapidity. Physical Review D, 2005, 71, .	4.7	103
74	Jets in QCD media: From color coherence to decoherence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 707, 156-159.	4.1	103
75	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
76	Exclusive photoproduction off Protons in Ultraperipheral Pb Collisions at	7.8	100
77	Polarization in Pb-Pb Collisions at	7.8	99
78	Particle-Yield Modification in Jetlike Azimuthal Dihadron Correlations in Pb-Pb Collisions at	7.8	97
79	Upgrade of the ALICE Experiment: Letter Of Intent. Journal of Physics G: Nuclear and Particle Physics, 2014, 41, 087001.	3.6	97
80	Production of Muons from Heavy Flavor Decays at Forward Rapidity in	7.8	96
81	Meson Production in Pb-Pb Collisions at	7.8	94
82	Femtoscopic correlations in Pb-Pb collisions at	4.7	93
83	Production of quarkonium production as a function of charged particle multiplicity in pp collisions at	4.1	93
84	Measurement of quarkonium production at forward rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2974.	3.9	89
85	Production in pp collisions at	4.1	88
86	Measurement of the Cross Section for Electromagnetic Dissociation with Neutron Emission in Pb-Pb Collisions at	7.8	86
87	Muon production in proton-proton collisions at	7.8	86
88	Low-pT collective flow induces high-pT jet quenching. Physical Review C, 2005, 72, .	2.9	72
89	Neutral pion production at midrapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	72
90	Heavy flavour decay muon production at forward rapidity in proton-proton collisions at	4.1	72

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91	<p>Elliptic Flow in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2013, 111, 162301.</p>	7.8	69
92	<p>Next-to-eikonal corrections in the CGC: gluon production and spin asymmetries in pA collisions. <i>Journal of High Energy Physics</i>, 2014, 2014, 1.</p>	4.7	69
93	<p>Measurement of the inclusive differential jet cross section in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2013, 722, 262-272.</p>	4.7	68
94	<p>Measurement of charged jet suppression in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i>, 2014, 2014, 1.</p>	4.7	68
95	<p>Collisions at $\sqrt{s} = 0.9$ TeV and Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2010, 105, 072002.</p>	7.8	67
96	<p>Net-Charge Fluctuations in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2013, 110, 152301.</p>	7.8	67
97	<p>rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2013, 110, 152301.</p>	4.1	67
98	<p>Two-pion Bose-Einstein correlations in collisions at $\sqrt{s} = 900$ MeV. <i>Physical Review D</i>, 2010, 82, .</p>	4.7	61
99	<p>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.</p>	3.9	61
100	<p>Production of inclusive $\Upsilon(1S)$ and $\Upsilon(2S)$ in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2015, 740, 105-117.</p>	4.1	60
101	<p>Energy versus centrality dependence of the jet quenching parameter \hat{q} at RHIC and LHC: a new puzzle? <i>European Physical Journal C</i>, 2016, 76, 475.</p>	3.9	60
102	<p>meson production at central rapidity in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i>, 2013, 111, 232302.</p>	4.1	59
103	<p>Measurement of event background fluctuations for charged particle jet reconstruction in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i>, 2012, 2012, 1.</p>	4.7	58
104	<p>Directed Flow of Charged Particles at Midrapidity Relative to the Spectator Plane in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Physical Review Letters</i>, 2013, 111, 232302.</p>	7.8	58
105	<p>Transverse momentum dependence of inclusive primary charged-particle production in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>European Physical Journal C</i>, 2014, 74, 1.</p>	3.9	58
106	<p>Nonlinear corrections to the DGLAP equations in view of the HERA data. <i>Nuclear Physics B</i>, 2003, 660, 211-224.</p>	2.5	57
107	<p>Medium-evolved fragmentation functions. <i>Journal of High Energy Physics</i>, 2008, 2008, 048-048.</p>	4.7	57
108	<p>Measurement of electrons from semileptonic heavy-flavor hadron decays in collisions at $\sqrt{s} = 7$ TeV. <i>Physical Review Letters</i>, 2013, 111, 232302.</p>	4.7	57

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109	Constraints for the nuclear parton distributions from Z and W^{\pm} production at the LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	55
110	Measurement of prompt J/ψ and beauty hadron production cross sections at mid-rapidity in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	54
111	Jet shapes in opaque media. Physical Review C, 2007, 75, .	2.9	53
112	Measurement of electrons from beauty hadron decays in pp collisions at $\sqrt{s}=7$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 13-23.	4.1	51
113	Two- and three-pion quantum statistics correlations in Pb-Pb collisions at the CERN Large Hadron Collider. Physical Review C, 2014, 89, .	2.9	51
114	Medium-induced gluon radiation and colour decoherence beyond the soft approximation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	51
115	Constraint fitting of experimental data with a jet quenching model embedded in a hydrodynamical bulk medium. Journal of Physics G: Nuclear and Particle Physics, 2010, 37, 025104.	3.6	47
116	The radiation pattern of a QCD antenna in a dense medium. Journal of High Energy Physics, 2012, 2012, 1.	4.7	46
117	Charge correlations using the balance function in Pb-Pb collisions at $\sqrt{s}=2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 723, 267-279.	4.1	46
118	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
119	Freeze-out radii extracted from three-pion cumulants in pp, p-Pb 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
120	Inclusive prompt photon production in nuclear collisions at RHIC and LHC. Journal of High Energy Physics, 2011, 2011, 1.	4.7	44
121	J/ψ production and nuclear effects in p-Pb collisions at $\sqrt{s}=5.02$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	4.7	44
122	Jet quenching as a probe of the initial stages in heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135318.	4.1	44
123	Nuclear structure functions at small x from inelastic shadowing and diffraction. European Physical Journal C, 2003, 29, 531-540.	3.9	43
124	The radiation pattern of a QCD antenna in a dilute medium. Journal of High Energy Physics, 2012, 2012, 1.	4.7	42
125	Agreement of Neutrino Deep Inelastic Scattering Data with Global Fits of Parton Distributions. Physical Review Letters, 2013, 110, 212301.	7.8	42
126	Measurement of visible cross sections in proton-lead collisions at $\sqrt{s}=5.02$ TeV in van der Meer scans with the ALICE detector. Journal of Instrumentation, 2014, 9, P11003-P11003.	1.2	40

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127	Two-pion femtoscopy in p -Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review C</i> , 2015, 91, .	2.9	39
128	A global reanalysis of nuclear parton distribution functions. <i>Journal of High Energy Physics</i> , 2007, 2007, 002-002.	4.7	33
129	Multiplicity dependence of jet-like two-particle correlation structures in p -Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 741, 38-50.	4.1	33
130	EPPS21: a global QCD analysis of nuclear PDFs. <i>European Physical Journal C</i> , 2022, 82, .	3.9	33
131	Compatibility of neutrino DIS data and global analyses of parton distribution functions. <i>Journal of High Energy Physics</i> , 2010, 2010, 1.	4.7	32
132	Transverse sphericity of primary charged particles in minimum bias proton-proton collisions at $\sqrt{s} = 0.9, 2.76$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	3.9	32
133	Beauty production in pp collisions at $\sqrt{s} = 0.9, 2.76$ TeV measured via semi-electronic decays. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 97-100.	3.2	32
134	Probing the Time Structure of the Quark-Gluon Plasma with Top Quarks. <i>Physical Review Letters</i> , 2018, 120, 232301.	7.8	32
135	Underlying Event measurements in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV with the ALICE experiment at the LHC. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	31
136	Mid-rapidity anti-baryon to baryon ratios in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV measured by ALICE. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	31
137	Coherence effects and broadening in medium-induced QCD radiation off a massive quark antenna. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	30
138	A unitary model for structure functions and diffractive production at small x. <i>Nuclear Physics B</i> , 2001, 593, 336-358.	2.5	29
139	An analysis of the impact of LHC Run I proton-lead data on nuclear parton densities. <i>European Physical Journal C</i> , 2016, 76, 218.	3.9	29
140	Charged kaon femtosopic correlations in p -Pb collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	27
141	Measurement of electrons from semileptonic heavy-flavor hadron decays in pp collisions at $\sqrt{s} = 2.76$ TeV. <i>Physical Review D</i> , 2015, 91, .	4.7	25
142	BMP8 and activated brown adipose tissue in human newborns. <i>Nature Communications</i> , 2021, 12, 5274.	12.8	24
143	Nuclear size and rapidity dependence of the saturation scale from QCD evolution and experimental data. <i>European Physical Journal C</i> , 2005, 43, 353-360.	3.9	23
144	Multiplicity dependence of two-particle correlation structures in pp collisions at $\sqrt{s} = 0.9, 2.76, 7$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 717, 151-161.	4.1	23

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145	A perturbative QCD study of dijets in p+Pb collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	22
146	Jet broadening in dense inhomogeneous matter. Physical Review D, 2022, 105, .	4.7	21
147	Angular-ordered parton showers with medium-modified splitting functions. Journal of High Energy Physics, 2009, 2009, 122-122.	4.7	20
148	Interference between initial and final state radiation in a QCD medium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 717, 280-286.	4.1	20
149	Coherence phenomena between initial and final state radiation in a dense QCD medium. Journal of High Energy Physics, 2013, 2013, 1.	4.7	20
150	Medium-induced cascade in expanding media. Journal of High Energy Physics, 2020, 2020, 1.	4.7	20
151	Probabilistic versus field-theoretical description of heavy flavour production off nuclei. Nuclear Physics B, 1998, 509, 357-377.	2.5	19
152	Mapping collinear in-medium parton splittings. European Physical Journal C, 2020, 80, 1.	3.9	19
153	Multiplicity dependence of two-particle azimuthal correlations in pp collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	18
154	Jet quenching test of the QCD matter created at RHIC and the LHC needs opacity-resummed medium induced radiation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136251.	4.1	18
155	Nuclear shadowing in Glauberâ€“Gribov theory with Q ² -evolution. European Physical Journal C, 2010, 68, 447-457.	3.9	17
156	Azimuth Quadrupole Systematics in Au-Au Collisions. Journal of Physics: Conference Series, 2011, 270, 012058.	0.4	16
157	Heavy-ion physics studies for the Future Circular Collider. Nuclear Physics A, 2014, 931, 1163-1168.	1.5	16
158	Tsallis-Pareto like distributions in hadron-hadron collisions. Journal of Physics: Conference Series, 2011, 270, 012008.	0.4	15
159	Jet Quenching in Heavy Ion Collisions from AdSâ€“CFT. AIP Conference Proceedings, 2008, , .	0.4	14
160	Medium-induced emissions of hard gluons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 718, 160-168.	4.1	14
161	The physics potential of protonâ€“nucleus collisions at the TeV scale. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124036.	3.6	13
162	Bayesian reweighting of nuclear PDFs and constraints from proton-lead collisions at the LHC. Journal of High Energy Physics, 2013, 2013, 1.	4.7	13

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163	A modified in-medium evolution equation with color coherence. Journal of High Energy Physics, 2021, 2021, 1.	4.7	13
164	Counting valence quarks at RHIC and LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 138-145.	4.1	12
165	A quantum strategy to compute the jet quenching parameter \hat{q} . European Physical Journal C, 2021, 81, 1.	3.9	12
166	Implementation of a medium-modified parton shower algorithm. European Physical Journal C, 2009, 61, 775-778.	3.9	11
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