

Robert Newby

List of Publications by Year in descending order

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186
papers

19,440
citations

9786

73
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10734

138
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189
all docs

189
docs citations

189
times ranked

8451
citing authors

#	ARTICLE	IF	CITATIONS
1	Formation of dense partonic matter in relativistic nucleus-nucleus collisions at RHIC: Experimental evaluation by the PHENIX Collaboration. Nuclear Physics A, 2005, 757, 184-283.	1.5	2,520
2	Identified charged particle spectra and yields in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	665
3	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
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	Observation of coherent elastic neutrino-nucleus scattering. Science, 2017, 357, 1123-1126.	12.6	500
6	Energy Loss and Flow of Heavy Quarks in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, .	7.8	489
7	PHENIX detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 469-479.	1.6	443
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, 100, 132301.	4.1	433
9	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 104, 132301.	7.8	319
10	Scaling Properties of Azimuthal Anisotropy in Au+Au and Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 162301.	7.8	307
11	Charged-Particle Multiplicity Density at Midrapidity in Central Pb-Pb Collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review Letters, 2010, 105, 252301.	7.8	296
12	Dense-Medium Modifications to Jet-Induced Hadron Pair Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 052301.	7.8	264
13	Nuclear Modification of Electron Spectra and Implications for Heavy Quark Energy Loss in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032301.	7.8	264
14	Dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2008, 78, .	2.9	256
15	Detailed measurement of the charged-particle multiplicity density in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2010, 81, .	7.8	255
16	Continuum in dihadron azimuthal correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2010, 81, .	2.9	254
17	Quadrupole Anisotropy in Dihadron Azimuthal Correlations in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2010, 104, 132301.	7.8	249
18	Quadrupole Anisotropy in Dihadron Azimuthal Correlations in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2010, 104, 132301.	7.8	246

#	ARTICLE	IF	CITATIONS
19	Centrality Dependence of Charged Particle Multiplicity in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 86, 3500-3505.	7.8	238
20	Two-pion Bose-Einstein correlations 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, 328-337.	4.1	235
21	High- p_T charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 69, .	2.9	233
22	Systematic studies of the centrality and $\sqrt{s_{NN}}$ dependence of the $dN_{ch}/d\eta$ in heavy ion collisions at midrapidity. Physical Review C, 2005, 71, .	2.9	214
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	Production of pions, kaons and protons in pp collisions at $\sqrt{s}=900$ GeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1.	3.9	209
25	Measurement of High- p_T Single Electrons from Heavy-Flavor Decays in $p+p$ Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 97, 252002.	7.8	200
26	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
27	Measurement of neutral mesons in Au + Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 106, 122302.	2.9	196
28	Measurement of neutral mesons in Au + Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review D, 2011, 83, .	4.7	189
29	Scaling properties of hadron production in Au + Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2012, 109, 122302.	7.8	184
30	Alignment of the ALICE Inner Tracking System with cosmic-ray tracks. Journal of Instrumentation, 2010, 5, P03003-P03003.	1.2	171
31	Inclusive cross section and double helicity asymmetry for p production in Au + Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 106, 122302.	2.9	170
32	Production versus Transverse Momentum and Rapidity in $p+p$ Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 232002.	4.7	163
33	Bose-Einstein Correlations of Charged Pion Pairs in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 152302.	7.8	161
34	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, 2011, 696, 328-337.	4.1	158
35	Suppression of charged-particle multiplicity at forward rapidity in Au + Au collisions at $\sqrt{s}=2.76$ TeV. Physical Review Letters, 2011, 106, 122302.	2.9	149

#	ARTICLE	IF	CITATIONS
37	Measurement of Long Range Angular Correlation and Quadrupole Anisotropy of Pions and (Anti)Protons in Central Au+Au Collisions at $\sqrt{s}=0.9$ TeV with ALICE at the LHC. European Physical Journal C, 2011, 71, 1. Physical Review Letters, 2015, 114, 192301.	7.8	143
38	Centrality Dependence of ϕ and ω Production at Large Transverse Momentum in $\sqrt{s}=200$ GeV Au+Au Collisions. Physical Review Letters, 2007, 98, .	7.8	140
39	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. Measurements of Elliptic and Triangular Flow in High-Multiplicity Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 114, 192301.	3.9	140
40	Measurements of Elliptic and Triangular Flow in High-Multiplicity Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 114, 192301.	7.8	140
41	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
42	Measurement of Direct Photon Production in p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 012002.	7.8	123
43	ϕ Production and Nuclear Effects for Au+Au and p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 96, 012304.	7.8	121
44	First Measurement of Coherent Elastic Neutrino-Nucleus Scattering on Argon. Physical Review Letters, 2021, 126, 012002.	7.8	117
45	Sensitivity and discovery potential of the proposed nEXO experiment to neutrinoless double-decay. Physical Review C, 2018, 97, 035501.	2.9	115
46	Centrality dependence of low-momentum direct-photon production in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	2.9	112
47	Production in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	7.8	109
48	Elliptic Flow for Mesons and (Anti)deuterons in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	7.8	108
49	Spectra and ratios of identified particles in Au+Au and d+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2013, 88, 034907.	2.9	106
50	Cold Nuclear Matter Effects on ϕ and ω Yields as a Function of Rapidity and Nuclear Geometry in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	7.8	104
51	Neutral pion production with respect to centrality and production plane in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	2.9	104
52	Photoproduction of ϕ and ω mesons in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	4.1	100
53	Production in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	7.8	98
54	Cold nuclear matter effects on ϕ and ω production as constrained by deuteron-gold measurements at $\sqrt{s}=200$ GeV. Physical Review Letters, 2015, 91, 192301.	2.9	97

#	ARTICLE	IF	CITATIONS
55	Suppression of Back-to-Back Hadron Pairs at Forward Rapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 172301.	7.8	96
56	Production of mesons at midrapidity in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions at relativistic energies. Physical Review C, 2005, 72, .	2.9	95
57	Quantitative constraints on the transport properties of hot partonic matter from semi-inclusive single high transverse momentum pion suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 172301.	2.9	93
58	Femtoscopy of pions in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2011, 107, 172301.	4.7	93
59	Nuclear Modification of ϕ , η , and J/ψ Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2013, 111, 202301.	7.8	92
60	Nuclear effects on hadron production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV revealed by comparison with p+Au data. Physical Review C, 2006, 74, .	2.9	90
61	Detailed study of high- p_T pion suppression and azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	87
62	New Organic Crystals for Pulse Shape Discrimination. IEEE Transactions on Nuclear Science, 2009, 56, 899-903.	2.0	87
63	Elliptic and Hexadecapole Flow of Charged Hadrons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	7.8	87
64	Measurement of Direct Photons in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	7.8	87
65	Measurement of ϕ meson production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	85
66	High transverse momentum ϕ -meson production in p+Au, d+Au, and Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	82
67	Inclusive cross section and double helicity asymmetry for ϕ production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	4.7	81
68	Gold Nuclear Matter Effects on Heavy-Quark Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	7.8	81
69	Measurement of Nonrandom Event-by-Event Fluctuations of Average Transverse Momentum in $\sqrt{s_{NN}}=200$ GeV Au+Au and p+Au Collisions. Physical Review Letters, 2004, 93, 092301.	7.8	80
70	Application of solution techniques for rapid growth of organic crystals. Journal of Crystal Growth, 2011, 314, 163-170.	1.5	80
71	Jet properties from dihadron correlations in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2006, 74, .	4.7	78
72	Centrality dependence of the high p_T charged hadron suppression in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 82-92.	4.1	75

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73	<p>altimg="si1.gif" overflow="scroll"><math>p</math><math>+</math><math>p</math> collisions at <math>\sqrt{s}=200</math> GeV. Nuclear modification factors of mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2009, 103, 012003.</p>	4.1	75
74	<p>altimg="si2.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2009, 103, 012003.</p>	2.9	75
75	<p>altimg="si3.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2009, 103, 012003.</p>	2.9	72
76	<p>altimg="si4.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2009, 103, 012003.</p>	7.8	72
77	<p>altimg="si5.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2008, 101, 162301.</p>	7.8	70
78	<p>altimg="si6.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2008, 101, 162301.</p>	7.8	70
79	<p>altimg="si7.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2008, 101, 162301.</p>	4.7	70
80	<p>altimg="si8.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2008, 101, 162301.</p>	7.8	67
81	<p>altimg="si9.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2008, 101, 162301.</p>	2.9	67
82	<p>altimg="si10.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	3.0	66
83	<p>altimg="si11.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	2.9	65
84	<p>altimg="si12.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	2.9	64
85	<p>altimg="si13.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	2.9	63
86	<p>altimg="si14.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	4.7	63
87	<p>altimg="si15.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	4.7	63
88	<p>altimg="si16.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	2.9	62
89	<p>altimg="si17.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	7.8	61
90	<p>altimg="si18.gif" display="inline"><math>I</math> mesons in <math>Au+Au</math> collisions at <math>\sqrt{s}=200</math> GeV. Physical Review Letters, 2002, 89, 082301.</p>	4.7	61

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91	Measurement of single electron event anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, . Photon-hadron jet correlations in	2.9	60
92	Collisional modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	60
93	Collisional modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	59
94	Jet structure of baryon excess in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	58
95	System Size and Energy Dependence of Jet-Induced Hadron Pair Correlation Shapes in Cu+Cu and Au+Au Collisions at $\sqrt{s_{NN}}=200$ and 62.4 GeV. Physical Review Letters, 2007, 98, 232302. Cold-Nuclear-Matter Effects on Heavy-Quark Production at Forward and Backward Rapidity	7.8	56
96	Collisional modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2014, 112, 232301.	7.8	56
97	Collisional modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2014, 112, 232301.	4.7	55
98	Cross Section and Parity-Violating Spin Asymmetries of W^{\pm} Boson Production in Polarized p+p Collisions at $\sqrt{s}=500$ GeV. Physical Review Letters, 2011, 106, 062001.	7.8	54
99	PHENIX Muon Arms. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 537-548.	1.6	53
100	Jet structure from dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 73, .	2.9	53
101	Double Helicity Asymmetry in Inclusive Midrapidity $\bar{\Lambda}$ Production for Polarized p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 93, 202002.	7.8	52
102	High- p_T $\bar{\Lambda}$ production with respect to the reaction plane in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2009, 80, .	2.9	51
103	Measurement of Identified and Inclusive Photon Second-Harmonic Parameter v_2 and Implications for Direct Photon Production in $\sqrt{s_{NN}}=200$ GeV Au+Au. Physical Review Letters, 2006, 96, 032302.	7.8	48
104	Single Electrons from Heavy-Flavor Decays in p+p Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 96, 032001.	7.8	46
105	Is Tsallis Thermodynamics Nonextensive?. Physical Review Letters, 2001, 88, 020601. Cross section and double helicity asymmetry for	7.8	44
106	mesons and their comparison to production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032001.	4.7	43
107	Medium Modification of Jet Fragmentation in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 032001.	2.9	43
108	Collisional modification in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2014, 112, 232301.	7.8	40

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109	Midrapidity direct-photon production in p+pcollisions at $\sqrt{s}=200$ GeV. Physical Review D, 2005, 71, .	4.7	37
110	Source Breakup Dynamics in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2008, 100, 23301.	7.8	37
111	Direct photon production in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2013, 87, .	2.9	37
112	Evidence for a Long-Range Component in the Pion Emission Source in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2007, 98, 132301.	7.8	36
114	Charged Kaon Interferometric Probes of Space-Time Evolution in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2009, 103, 142301.	4.7	36
115	Measurement of single muons at forward rapidity in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2010, 82, .	7.8	35
116	Transverse momentum dependence of multiplicity in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2012, 86, .	2.9	34
117	Measurement of single muons at forward rapidity in Au+Au collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2010, 82, .	2.9	33
118	Implications for charm production. Physical Review D, 2007, 76, .	4.7	31
119	Measurement of transverse single-spin asymmetries for J/ψ production in polarized p+pcollisions at $\sqrt{s}=200$ GeV. Physical Review D, 2010, 82, .	4.7	30
120	Nuclear-modification factor for open-heavy-flavor production at forward rapidity in Cu+Cu collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2012, 86, .	2.9	30
121	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
122	Azimuthal Angle Correlations for Rapidity Separated Hadron Pairs in Au+Au Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2006, 96, 222301.	7.8	28
123	Inclusive cross section and single transverse spin asymmetry for very forward neutron production in polarized p+pcollisions at $\sqrt{s}=200$ GeV. Physical Review D, 2013, 88, .	4.7	28
124	Characterization of the Hamamatsu VUV4 MPPCs for nEXO. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 940, 371-379.	1.6	28
125	Active detection of small quantities of shielded highly-enriched uranium using low-dose 60-keV neutron interrogation. Nuclear Instruments & Methods in Physics Research B, 2007, 261, 347-350.	1.4	27
126	High- T direct photon and π^0 -triggered azimuthal jet correlations and measurement of k_T for isolated direct photons in p+pcollisions at $\sqrt{s}=200$ GeV. Physical Review D, 2010, 82, .	4.7	27

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127	Production of Λ mesons in p - p collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2007, 75, .	4.7	27
128	Production of Λ mesons at large transverse momenta in p + p and p + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2007, 75, .	2.9	26
129	Measurement of density correlations in pseudorapidity via charged particle multiplicity fluctuations in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2007, 76, .	2.9	26
130	Imaging individual barium atoms in solid xenon for barium tagging in nEXO. Nature, 2019, 569, 203-207.	27.8	26
131	Improved measurement of double helicity asymmetry in inclusive midrapidity Λ production for polarized p + p collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2006, 73, .	4.7	25
132	Constraining the initial temperature and shear viscosity in a hybrid hydrodynamic model of Au + Au collisions using pion spectra, elliptic flow, and femtoscopic radii. Physical Review C, 2013, 87, .	2.9	25
133	Measurement of K_S^0 production in p + p collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2007, 75, .	2.9	25
134	Event structure and double helicity asymmetry in jet production from polarized p + p collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2011, 84, .	4.7	24
135	PHENIX on-line systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 560-592.	1.6	23
136	Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2008, 77, .	2.9	23
137	Centrality dependence of charged hadron production in deuteron+gold and nucleon+gold collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2008, 77, .	2.9	22
138	Project SEE (Satellite Energy Exchange): proposal for space-based gravitational measurements. Measurement Science and Technology, 1999, 10, 514-524.	2.6	21
139	Neutron detection with single crystal organic scintillators. Proceedings of SPIE, 2009, , .	0.8	21
140	First constraint on coherent elastic neutrino-nucleus scattering in argon. Physical Review D, 2019, 100, .	4.7	20
141	Systematic study of azimuthal anisotropy in Cu + Cu and Au + Au collisions at $\sqrt{s} = 62.4$ and 200 GeV. Physical Review C, 2015, 92, .	2.9	19
142	Project SEE (Satellite Energy Exchange): an international effort to develop a space-based mission for precise measurements of gravitation. Classical and Quantum Gravity, 2000, 17, 2331-2346.	4.0	18
143	The ALICE Collaboration. Nuclear Physics A, 2009, 830, 919c-924c.	1.5	18
144	System-size dependence of open-heavy-flavor production in nucleus-nucleus collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 90, .	2.9	18

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145	Production of Λ baryons in Au collisions via dielectrons in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .	2.9	17
146	Azimuthal anisotropy of Λ mesons in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .	2.9	16
147	Systematic study of charged-pion and kaon femtoscopy in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2015, 92, .	2.9	16
148	A comparison of performance between organic scintillation crystals and moderated ^3He -based detectors for fission neutron detection. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 652, 404-407.	1.6	14
149	Production of Λ baryons in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2014, 89, .	2.9	14
150	Characterization of an Ionization Readout Tile for nEXO. Journal of Instrumentation, 2018, 13, P01006-P01006.	1.2	14
151	Performance of the Roadside Tracker Portal-Less Portal Monitor. IEEE Transactions on Nuclear Science, 2013, 60, 2237-2246.	2.0	13
152	Λ meson production in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2015, 92, .	2.9	13
153	Correlated production of p and Λ baryons in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2015, 92, .	4.1	11
154	Low-mass vector-meson production at forward rapidity in Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2014, 90, .	4.7	11
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