

Vitalii A Okorokov

List of Publications by Year in descending order

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Version: 2024-02-01

262
papers

22,961
citations

7568

77
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264
docs citations

264
times ranked

6809
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical challenges in the search for the quark-gluon plasma: The STAR Collaboration's critical assessment of the evidence from RHIC collisions. Nuclear Physics A, 2005, 757, 1-60. Systematic measurements of identified particle spectra in pp	1.5	2,780
2	Systematic measurements of identified particle spectra in pp	2.9	714
3	Transverse-Momentum and Centrality Dependence of High-pT Hadron Suppression in Au+Au Collisions at Ultrarelativistic Energies. Physical Review Letters, 2003, 91, 172302.	7.8	614
4	Global Λ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
5	STAR detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 624-632.	1.6	554
6	Azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 72, .	2.9	520
7	Centrality Dependence of High-pT Hadron Suppression in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2002, 89, 202301.	7.8	518
8	Distributions of Charged Hadrons Associated with High Transverse Momentum Particles in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 152301.	7.8	445
9	Azimuthal Charged-Particle Correlations and Possible Local Strong Parity Violation. Physical Review Letters, 2009, 103, 251601.	7.8	424
10	Transverse Momentum and Centrality Dependence of High-pT Nonphotonic Electron Suppression in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 192301.	7.8	379
11	Identified Particle Distributions in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 112301.	7.8	368
12	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
13	Bulk properties of the medium produced in relativistic heavy-ion collisions from the beam energy scan program. Physical Review C, 2017, 96, .	2.9	357
14	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278
15	Strange particle production in pp collisions at $\sqrt{s}=200$ GeV. Physical Review C, 2007, 75, .	2.9	267
16	Observation of charge-dependent azimuthal correlations and possible local strong parity violation in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	263
17	Identified Baryon and Meson Distributions at Large Transverse Momenta from Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152301.	7.8	261
18	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249

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19	Pion interferometry in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	248
20	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
21	Centrality dependence of charged hadron and strange hadron elliptic flow from Au+Au collisions. Physical Review C, 2008, 77, .	4.1	228
22	Cross Sections and Transverse Single-Spin Asymmetries in Forward Neutral-Pion Production from Proton Collisions at $\sqrt{s}=200$ GeV. Physical Review Letters, 2004, 92, 171801.	2.9	225
23	Long range rapidity correlations and jet production in high energy nuclear collisions. Physical Review C, 2009, 80, .	7.8	220
24	Global polarization of hyperons in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review C, 2018, 98, .	2.9	205
25	Open Charm Yields in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 94, 062301.	7.8	201
26	Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. Physical Review Letters, 2014, 112, 162301.	7.8	186
27	Partonic Flow and Meson Production in Au+Au Collisions	7.8	181
28	Direct Observation of Dijets in Central Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 162301.	7.8	179
29	Observation of Nuclear Modifications in Au+Au Collisions	7.8	179
30	Nuclear Modifications in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2014, 113, 142301.	7.8	175
31	Scaling Properties of Hyperon Production in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2007, 98, 062301.	7.8	175
32	Hyperon production in Au+Au collisions	4.1	166
33	Mini-jet deformation and charge-independent angular correlations on momentum subspace (\hat{i}, \hat{j}) in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, .	2.9	166
34	Forward Neutral Pion Production in p+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 152302.	7.8	166
35	Multistrange Baryon Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2005, 95, 122301.	7.8	164
36	Energy dependence of Mini-jet deformation and charge-independent angular correlations on momentum subspace (\hat{i}, \hat{j}) in Au-Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2006, 73, .	4.1	161

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37	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
38	K(892)*resonance production in Au+Au and p+pcollisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2005, 71, .	2.9	149
39	Beam-Energy Dependence of Charge Separation along the Magnetic Field in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
40	Longitudinal Double-Spin Asymmetry and Cross Section for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 97, 252001.	7.8	141
41	Multistrange Baryon Production in Au-Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2004, 92, 182301.	7.8	140
42	Forward Neutral-Pion Transverse Single-Spin Asymmetries in $\sqrt{s_{NN}}=200$ GeV Au+Au collisions at RHIC. Physical Review Letters, 2008, 101, 222001.	7.8	138
43	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 101, 222001.	7.8	131
44	$\bar{\Lambda}$ Production and Possible Modification in Au+Au and p+p Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 92, 092301.	7.8	127
45	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 101, 222001.	2.9	127
46	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2013, 88, .	2.9	124
47	Azimuthal Anisotropy and Correlations at Large Transverse Momenta in p+Au and Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, 252301.	7.8	122
48	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .	4.1	122
49	Measurements of meson production in relativistic heavy-ion collisions at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 79, .	2.9	117
50	Mass, quark-number, and $\sqrt{s_{NN}}$ dependence of the second and fourth flow harmonics in ultrarelativistic nucleus-nucleus collisions. Physical Review C, 2007, 75, .	2.9	112
51	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
52	Strange Baryon Resonance Production in $\sqrt{s_{NN}}=200$ GeV p+Au and Au+Au Collisions. Physical Review Letters, 2006, 97, 132301.	7.8	108
53	Global polarization measurement in Au+Au collisions. Physical Review C, 2007, 76, .	2.9	107
54	Third harmonic flow of charged particles in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 101, 222001.	2.9	106

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55	System-Size Independence of Directed Flow Measured at the BNL Relativistic Heavy-Ion Collider. Physical Review Letters, 2008, 101, 252301.	7.8	102
56	Search for the chiral magnetic effect with isobar collisions at $\sqrt{s_{NN}}=2.76$ GeV by the STAR Collaboration at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2022, 105, .	2.9	97
57	Measurements of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ in $^3\text{He}+^3\text{He}$ collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2012, 108, 072301.	4.7	97
58	Azimuthal Anisotropy at Midrapidity in $\sqrt{s_{NN}}=2.76$ GeV Au+Au Collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2004, 93, .	7.8	95
59	Observation of Charge Asymmetry Dependence of Pion Elliptic Flow and the Possible Chiral Magnetic Wave in Heavy-Ion Collisions. Physical Review Letters, 2015, 114, 252302.	7.8	93
60	Indications of Conical Emission of Charged Hadrons at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2009, 102, 052302.	7.8	91
61	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
62	Fluctuations of charge separation perpendicular to the event plane and local parity violation in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	7.8	89
63	Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2008, 100, 232003.	7.8	89
64	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	4.1	87
65	Suppression of π^0 production in $\sqrt{s_{NN}}=2.76$ GeV Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2004, 93, .	2.9	86
66	Subridge and multi-strange particle production in $\sqrt{s_{NN}}=2.76$ GeV Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2004, 93, .	7.8	85
67	Azimuthal Anisotropy in $\sqrt{s_{NN}}=2.76$ GeV Au+Au Collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2004, 93, .	7.8	84
68	Twiss Interferometry in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2004, 93, .	7.8	84
69	Incident energy dependence of pT correlations at relativistic energies. Physical Review C, 2005, 72, .	2.9	84
70	Production of Λ and $\bar{\Lambda}$ at high transverse momenta in $\sqrt{s_{NN}}=2.76$ GeV Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2004, 93, .	2.9	81
71	Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.	7.8	80

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73	Measurement of Hadron Compositions in p - p and p -Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054907.	7.8	80
74	Correlation Functions in p - p and p -Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054908.	7.8	80
75	Production of e^+e^- pairs accompanied by nuclear dissociation in ultraperipheral heavy-ion collisions. Physical Review C, 2004, 70, 054907.	2.9	79
76	Growth of Long Range Forward-Backward Multiplicity Correlations with Centrality in p - p and p -Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2009, 103, 172301.	7.8	79
77	Transverse-momentum correlations on (\hat{l}, ϕ) from mean-pair fluctuations in Au+Au collisions at GeV. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, L37-L48.	3.6	78
78	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054909.	2.9	73
79	Energy and system size dependence of ρ meson production in p - p and p -Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054910.	7.8	73
80	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	4.1	71
81	Transverse single-spin asymmetry and cross section for ρ meson production in p - p collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054911.	27.8	71
82	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 115, 092002.	4.7	70
83	Measurement of ρ meson production in p - p collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054912.	7.8	70
84	Momentum and Angular Distributions from Linearly Polarized Photon Collisions. Physical Review Letters, 2021, 127, 052302.	7.8	69
85	Long-range pseudorapidity dihadron correlations in d +Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054913.	7.8	68
86	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in p - p and p -Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, 054907.	2.9	68
87	Event-wise $\langle \rho^2 \rangle$ fluctuations in Au-Au collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review C, 2005, 71, 054907.	2.9	66
88	Beam-Energy Dependence of Directed Flow of ρ Mesons in p - p and p -Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054914.	4.7	66
89	Measurement of ρ meson production in p - p collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054915.	7.8	66
90	Measurement of ρ meson production in p - p collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, 054916.	7.8	66

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109	$\langle K^+ \tilde{\epsilon} \rangle$ Fluctuations at Relativistic Energies. Physical Review Letters, 2009, 103, 092301.	7.8	53
110	Parton energy loss in heavy-ion collisions via direct-photon and charged-particle azimuthal correlations. Physical Review C, 2010, 82, .	2.9	53
111	Beam energy dependence of (anti)-deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	53
112	Dielectron Mass Spectra from $\langle Au + Au \rangle$ Collision at $\langle \sqrt{s} \rangle$ Physical Review Letters, 2014, 113, 022301.	7.8	52
113	Measurement of elliptic flow of light nuclei at $\langle \sqrt{s} \rangle$ Physical Review C, 2016, 94, .	2.9	50
114	Measurement of the $\langle H \rangle$ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	2.9	52
115	$\langle \Lambda \rangle$ Hyperons in $\langle Au + Au \rangle$	7.8	52
116	$\langle \tilde{\rho} \rangle$ -correlations in central Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 75, .	2.9	50
117	Pion interferometry in Au+Au and Cu+Cu collisions at $\sqrt{s_{NN}}=62.4$ and 200 GeV. Physical Review C, 2009, 80, .	2.9	49
118	Jet-Hadron Correlations in $\langle \sqrt{s} \rangle$ Physical Review Letters, 2014, 112, 122301.	7.8	48
119	Proton- $\tilde{\rho}$ correlations in central Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2006, 74, .	2.9	47
120	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in $\langle Au + Au \rangle$ Collision at RHIC. Physical Review Letters, 2016, 116, 112302.	7.8	47
121	$\langle D \rangle$ -meson production at mid-rapidity in Au + Au collisions at $\langle \sqrt{s} \rangle$ Global $\langle \Lambda \rangle$ hyperon polarization in $\langle Au + Au \rangle$ collisions at $\langle \sqrt{s} \rangle$	2.9	47
122	$\langle Au + Au \rangle$ collisions at $\langle \sqrt{s} \rangle$	2.9	47
123	$\langle W \rangle$ Boson Production in Polarized Proton-Proton Collisions at $\langle \sqrt{s} \rangle$ Balance Functions from $\langle Au + Au \rangle$	7.8	46
124	$\langle Au + Au \rangle$, $\langle Au + Au \rangle$	2.9	45
125	$\langle p \rangle$ nonphotonic electron production in $\langle p + p \rangle$ collisions at $\langle \sqrt{s} \rangle$	4.7	45
126	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at $\langle \sqrt{s} \rangle$ $\langle \sqrt{s} \rangle$ $\langle \sqrt{s} \rangle$ 200 GeV. Physical Review C, 2012, 86, .	2.9	45

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145	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2014, 89, .	4.7	35
146	Pseudorapidity asymmetry and centrality dependence of charged hadron spectra in d+Au collisions at sNN=200GeV. Physical Review C, 2004, 70, .	2.9	34
147	Directed Flow of Identified Particles in Au+Au Collisions at RHIC. Physical Review Letters, 2012, 108, 202301.	7.8	34
148	The energy dependence of ptangular correlations inferred from mean-ptfluctuation scale dependence in heavy ion collisions at the SPS and RHIC. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 451-465.	3.6	33
149	Harmonic decomposition of three-particle azimuthal correlations at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 98, .	2.9	33
150	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at sNN=7.7 , 11.5, 14.5, 19.6, 27, 39, and 62.4ÅGeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
151	Energy dependence of acceptance-corrected dielectron excess mass spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2018, 121, 032301.	2.9	32
152	Coherent diffractive photoproduction of mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	32
153	Collision-energy dependence of second-order off-diagonal and diagonal cumulants of net-charge, net-proton, and net-kaon multiplicity distributions in Au+Au collisions. Physical Review C, 2019, 100, .	2.9	32
154	Flow anisotropy results from Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	31
155	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	2.9	31
156	Flow anisotropy results from Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.1	31
157	Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	30
158	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, .	4.1	29
159	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2018, 97, .	2.9	28
160	New physics searches with heavy-ion collisions at the CERN Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 060501.	2.9	28
161	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	4.7	27
162	New physics searches with heavy-ion collisions at the CERN Large Hadron Collider. Journal of Physics G: Nuclear and Particle Physics, 2020, 47, 060501.	3.6	27

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163	Di-electron production in $\sqrt{s_{NN}} = 2.76$ TeV Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	25
164	Effect of event selection on jetlike correlation measurement in d+ Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	25
165	Effect of event selection on jetlike correlation measurement in d+ Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	7.8	25
166	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	4.1	24
167	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	7.8	24
168	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2018, 98, .	2.9	23
169	Prompt D0, D+, and D*+ production in Pb+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
170	Measurement of the cross section and longitudinal double-spin asymmetry for dijet production in polarized pp collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2017, 95, .	4.7	22
171	Yield at Very Low Transverse Momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	7.8	22
172	Cu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	21
173	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	21
174	Beam-energy dependence of charge balance functions from Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	21
175	Longitudinal scaling property of the charge balance function in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	2.9	21
176	Longitudinal scaling property of the charge balance function in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	4.1	20
177	χ^2 cross section in p+pcollisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2010, 82, .	4.7	20
178	Photoproduction in AuAu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	2.9	20
179	Directed and elliptic flow of charged particles in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2012, 85, .	7.8	20
180	Rapidity and centrality dependence of proton and antiproton production from Au197+Au197 collisions at $\sqrt{s_{NN}} = 130$ GeV. Physical Review C, 2004, 70, .	2.9	19

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181	Photon and neutral pion production in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review C, 2004, 70, .	2.9	19
182	Strangelet search in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2007, 76, .	2.9	19
183	Measurement of the $W^+e^-\gamma/2$ and $Z/\gamma^*e^+e^-$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s}=500$ GeV. Physical Review D, 2012, 85, .	4.7	19
184	Charge-Dependent Directed Flow in Cu+Cu Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
185	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in p^+p^- collisions at $\sqrt{s}=500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
186	Collision-energy dependence of correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19
187	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at $\sqrt{s_{NN}}=200, 62.4,$ and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
188	The size seems to matter or where lies the asymptopia?. International Journal of Modern Physics A, 2018, 33, 1850077.	1.5	18
189	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2010, 81, .	2.9	18
190	Longitudinal spin-transfer to hyperons in polarized proton-proton collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 012301.	4.7	17
191	Energy dependence of K^0_S , π^0 , and K^0 fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
192	Energy dependence of K^0_S , π^0 , and K^0 fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
193	Observation of Λ hyperons in ultraperipheral heavy-ion collisions at $\sqrt{s_{NN}}=2.76$ TeV. Physical Review C, 2010, 81, .	2.9	17
194	System size dependence of associated yields in hadron-triggered jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 123-128.	4.1	15
195	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
196	Two-particle correlations on transverse momentum and momentum dissipation in Au+Au collisions at $\sqrt{s_{NN}}=130$ GeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 799-816.	3.6	14
197	Rapidity and species dependence of particle production at large transverse momentum for Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2004, 70, .	2.9	13
198	Experimental studies of di-jet survival and surface emission bias in Au+Au collisions via angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2011, 83, .	2.9	13

#	ARTICLE	IF	CITATIONS
199	\sqrt{s} production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	13
200	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review D, 2018, 98, .	4.7	13
201	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2020, 102, .	2.9	13
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