

Nihar Ranjan Sahoo

List of Publications by Year in descending order

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154
docs citations

154
times ranked

5343
citing authors

#	ARTICLE	IF	CITATIONS
1	Global \bar{b} hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
2	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	365
3	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
4	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	245
5	Global polarization of \bar{b} hyperons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2018, 98, .	2.9	205
6	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
7	Observation of Nuclear Modifications in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 142301.	7.8	179
8	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
9	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	7.8	147
10	Polarization of \bar{b} hyperons in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 092301.	7.8	131
11	Inclusive charged hadron elliptic flow in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 092301.	2.9	127
12	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2013, 88, .	2.9	124
13	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
14	Collision energy dependence of moments of net-kaon multiplicity distributions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 785, 551-560.	4.1	107
15	Measurements of net-kaon multiplicity distributions in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 092301.	2.9	106
16	Production of \bar{b} hyperons in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 092301.	4.7	97
17	Azimuthal Anisotropy at Midrapidity in Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2014, 113, 092301.	7.8	95
18	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

#	ARTICLE	IF	CITATIONS
19	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
20	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, .	2.9	10
21	Observation of an Energy-Dependent Difference in Elliptic Flow between Particles and Antiparticles in Relativistic Heavy Ion Collisions. Physical Review Letters, 2013, 110, 142301.	7.8	89
22	Suppression of Υ production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	4.1	87
23	Identification of Hadron Compositions in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	7.8	85
24	Production of Υ mesons at high transverse momenta in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	7.8	80
25	Correlation Function in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 88, .	4.1	80
26	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	7.8	80
27	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	16.7	76
28	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	73
29	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	7.8	73
30	Transverse single-spin asymmetry and cross section for inclusive jet production in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2015, 115, 092002.	27.8	71
31	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2015, 115, 092002.	4.7	70
32	Measurement of Λ and $\bar{\Lambda}$ production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2015, 91, 054907.	7.8	70
33	Momentum and Angular Distributions from Linearly Polarized Photon Collisions. Physical Review Letters, 2021, 127, 052302.	7.8	69
34	Long-range pseudorapidity dihadron correlations in d + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 265-271.	11	68
35	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, .	2.9	68
36	Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized proton collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, .	4.7	66

#	ARTICLE	IF	CITATIONS
37	Energy Dependence of Directed Flow of Multistrange Hadrons in Heavy Ion Collisions at the STAR Detector. Physical Review C, 2015, 92, .	7.8	66
38	Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	2.9	65
39	Pair Production in Heavy Ion Collisions at the STAR Detector. Physical Review C, 2015, 92, .	7.8	64
40	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2014, 113, 072301.	7.8	62
41	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson in Heavy Ion Collisions at the STAR Detector. Physical Review C, 2015, 92, .	7.8	61
42	Meson in Heavy Ion Collisions at the STAR Detector. Physical Review C, 2015, 92, .	7.8	58
43	Measurements of dielectron production in Au + Au collisions at the STAR experiment. Physical Review C, 2015, 92, .	4.1	56
44	Measurements of dielectron production in Au + Au collisions at the STAR experiment. Physical Review C, 2015, 92, .	2.9	55
45	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at the STAR experiment. Physical Review C, 2016, 93, .	2.9	55
46	Strange hadron production in Au + Au collisions at the STAR experiment. Physical Review C, 2016, 93, .	2.9	54
47	collisions at the STAR experiment. Physical Review C, 2020, 102, .	2.9	54
48	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
49	Dielectron Mass Spectra from Au + Au collisions at the STAR experiment. Physical Review Letters, 2014, 113, 072301.	7.8	52
50	Measurement of elliptic flow of light nuclei at the STAR experiment. Physical Review C, 2016, 94, .	2.9	50
51	Measurement of the lifetime in Au + Au collisions at the STAR experiment. Physical Review C, 2016, 94, .	2.9	52
52	Global Polarization of Hyperons in Au + Au collisions at the STAR experiment. Physical Review C, 2016, 94, .	7.8	52
53	Jet-Hadron Correlations in Au + Au collisions at the STAR experiment. Physical Review C, 2016, 94, .	7.8	48
54	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in Au + Au collisions at RHIC. Physical Review Letters, 2016, 116, 112302.	7.8	47

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55	Continuity and transverse momentum dependence of π -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022301.	2.9	47
56	High- p_T nonphotonic electron production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022302.	4.7	45
57	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022303.	2.9	45
58	First Measurement of Λ Baryon Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022304.	7.8	45
59	Measurements of jet quenching with semi-inclusive hadron pair distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022305.	2.9	44
60	Probing parton dynamics of QCD matter with Λ and $\bar{\Lambda}$ production. Physical Review C, 2016, 93, 054907.	2.9	43
61	Energy and system size dependence of two- and four-particle azimuthal anisotropy in polarized proton-proton elastic scattering at $\sqrt{s} = 2.76$ GeV. Physical Review Letters, 2016, 116, 022306.	4.1	41
62	Energy and system size dependence of two- and four-particle azimuthal anisotropy in heavy-ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022307.	2.9	40
63	Centrality dependence of azimuthal anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022308.	7.8	38
64	Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
65	Jet-like correlations with direct-photon and neutral-pion triggers at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 689-696.	4.1	36
66	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
67	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s} = 2.76$ GeV. Physical Review D, 2014, 89, 054004.	4.7	35
68	Directed Flow of Identified Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 202301.	7.8	34
69	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
70	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s_{NN}} = 7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
71	Energy dependence of neutral-pion cross section mass spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2016, 116, 022309.	4.1	32
72	Coherent diffractive photoproduction of π^0 mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, .	2.9	32

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73	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. $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2019, 100.	2.9	31
74	Energy dependence of J/ψ production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 13-20.	4.1	30
75	Flow and interferometry results from Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103.	4.7	30
76	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473.	2.9	30
77	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, .	2.9	28
78	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2018, 97.	4.7	27
79	Di-electron spectrum at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85.	2.9	25
80	Stretchy \hat{a}_T in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2018, 98.	7.8	25
81	J/ψ production cross section and its dependence on charged-particle multiplicity in $p\bar{p}$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
82	Methods for a blind analysis of isobar data collected by the STAR collaboration. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	25
83	Effect of event selection on jetlike correlation measurement in d + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	4.1	24
84	Charge-dependent pair correlations relative to a third particle in $p\bar{p} + \bar{d}Au$ and $d\bar{d} + \bar{d}Au$ collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
85	Industrial heat island: a case study of Angul-Talcher region in India. Theoretical and Applied Climatology, 2020, 141, 229-246.	2.8	24
86	Baseline study for higher moments of net-charge distributions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	23
87	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2018, 98.	4.7	23
88	Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2019, 99.	4.7	23
89	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

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91	Correlation measurements between flow harmonics in Au+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 459-465.	4.1	22
92	Measurement of inclusive J/ψ suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	22
93	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	7.8	22
94	Yield at Very Low Transverse Momenta in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2014, 89, .	2.9	21
95	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
96	$\bar{\Lambda}$ production in U + U collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
97	$\bar{\Lambda}$ production in U + U collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
98	photoproduction in AuAu collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR detector. Physical Review C, 2012, 85, .	2.9	20
99	collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	20
100	Dynamics of QCD matter $\bar{\Lambda}$ current status. International Journal of Modern Physics E, 2021, 30, 2130001.	1.0	20
101	Measurement of the $W^+e\bar{\nu}_e$ and $Z\nu^*e^+e^-$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s}=500$ GeV. Physical Review D, 2012, 85, .	4.7	19
102	Charge-Dependent Directed Flow in Cu+Cu collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
103	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p\bar{p}$ collisions at $\sqrt{s}=500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
104	Collision-energy dependence of p - t correlations in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19
105	Diagonal and off-diagonal susceptibilities of conserved quantities in relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 125103.	3.6	18
106	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
107	Measurement of groomed jet substructure observables in p+p collisions at $\sqrt{s}=200$ GeV with STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135846.	4.1	18
108	Effect of centrality selection on higher-order cumulants of net-proton multiplicity distributions in relativistic heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	18

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109	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV at the BNL STAR detector. Physical Review C, 2009, 80, .	2.9	18
110	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
111	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2021, 103, .	4.7	16
112	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
113	Measurement of transverse single-spin asymmetries of π^0 and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collisions. Physical Review D, 2021, 103, .	4.7	14
114	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
115	η production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2016, 93, .	2.9	13
116	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2016, 93, .	4.7	13
117	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2016, 93, .	2.9	13
118	Observation of Δp and Δp_T correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2015, 91, .	2.9	13
119	Enhancement in Δp and Δp_T correlations for π^0 and K^0_S in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2015, 91, .	4.7	12
120	Measurements of Δp and Δp_T correlations in proton-proton collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2015, 91, .	4.7	12
121	Dihadron correlations with identified leading hadrons in 200 GeV Au + Au and d + Au collisions at STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 751, 233-240.	4.1	11
122	Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 40-47.	4.1	11
123	Beam energy dependence of net- \hat{I} fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11
124	Underlying event measurements in p+p collisions at $\sqrt{s} = 200$ GeV at RHIC. Physical Review D, 2020, 101, .	4.7	11
125	Measurements of the transverse momentum-dependent cross sections of η production at mid-rapidity in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 745, 40-47.	4.1	10
126	Beam energy dependence of net- \hat{I} fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	4.7	10

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127	Measurement of the central exclusive production of charged particle pairs in proton-proton collisions at $\sqrt{s} = 200$ GeV with the STAR detector at RHIC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
128	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135728.	4.1	10
129	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, .	2.9	11
130	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 200$ GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	9
131	Longitudinal double-spin asymmetries for $\bar{\Lambda}$ 0s in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9
132	Measurement of inclusive polarization in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2013, 87, .	4.7	9
133	Higher Moments of the Net-charge Multiplicity Distributions at RHIC Energies in STAR. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 437.	0.1	9
134	Measurement of Λ -meson two-dimensional angular correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2021, 103, .	2.9	8
135	Production of Λ baryons in polarized Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2014, 89, .	4.7	8
136	Azimuthal anisotropy measurements of strange and multistrange hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2021, 103, .	2.9	8
137	Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2014, 90, .	2.9	7
138	Recent results on event-by-event fluctuations from the RHIC Beam Energy Scan program in the STAR experiment. Journal of Physics: Conference Series, 2014, 535, 012007.	0.4	7
139	Improved measurement of the longitudinal spin transfer to charm quarks in polarized proton-proton collisions. Physical Review Letters, 2014, 113, 262001.	4.7	7
140	Beam energy dependence of rapidity-even dipolar flow in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 26-32.	4.1	7
141	Results on total and elastic cross sections in proton+proton collisions at $\sqrt{s_{NN}} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135663.	4.1	6
142	Dynamical charge fluctuations in the hadronic medium. Physical Review C, 2015, 91, .	2.9	5
143	Measurements of dihadron correlations relative to the event plane in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Chinese Physics C, 2021, 45, 044002.	3.7	5
144	Experimental studies of di-jets in Au+Au collisions using angular correlations with respect to back-to-back leading hadrons. Physical Review C, 2013, 87, .	2.9	4

#	ARTICLE	IF	CITATIONS
145	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2016, 956, 621-624.		
146	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94.	2.9	3
147	Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 790, 81-88.	4.1	3
148	Direct-photon-hadron correlations to study parton energy loss with the STAR experiment. Nuclear Physics A, 2016, 956, 621-624.	1.5	2
149	Measurement of away-side broadening with self-subtraction of flow in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Chinese Physics C, 2020, 44, 104001.	3.7	2
150	Jet Measurements with Neutral and Di-jet Triggers in Central Au + Au Collisions at $\sqrt{s_{NN}} = 200$ GeV with STAR. Nuclear Physics A, 2017, 967, 480-483.	1.5	1
151	Direct photon-hadron correlation measurement and a way towards photon-triggered jets at RHIC. Journal of Physics: Conference Series, 2017, 832, 012003.	0.4	0