

Nihar Ranjan Sahoo

List of Publications by Year in descending order

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papers

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58581

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154
all docs

154
docs citations

154
times ranked

5343
citing authors

#	ARTICLE	IF	CITATIONS
1	Dynamics of QCD matter " current status. International Journal of Modern Physics E, 2021, 30, 2130001.	1.0	20
2	Flow and interferometry results from Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	2.9	30
3	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
4	Measurements of dihadron correlations relative to the event plane in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV *. Chinese Physics C, 2021, 45, 044002.	3.7	5
5	Global Polarization of Λ and Σ Hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	4.7	8
6	Measurement of transverse single-spin asymmetries for forward Λ production in polarized p+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	7.8	52
7	Measurement of transverse single-spin asymmetries of Λ and electromagnetic jets at forward rapidity in 200 and 500 GeV transversely polarized proton-proton collisions. Physical Review D, 2021, 103, .	4.7	14
8	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review D, 2021, 103, .	4.7	16
9	Methods for a blind analysis of isobar data collected by the STAR collaboration. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	25
10	Azimuthal anisotropy measurements of strange and multistrange hadrons in U+U collisions at $\sqrt{s_{NN}} = 8.8$ GeV. Physical Review C, 2021, 103, .	2.9	8
11	Measurement of Λ and Σ Hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2021, 127, 052302.	7.8	69
12	Observation of Λ and Σ Hyperons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2021, 127, 092301.	7.8	111
13	Enhancement in cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2021, 127, 092301.	2.9	68
14	Measurements of Λ and Σ Hyperons in Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, .	4.7	12
15	Strange hadron production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	2.9	54
16	Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2021, 103, .	4.1	6
17	Two-dimensional angular correlations in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2021, 103, .	2.9	8
18	Beam energy dependence of net- Λ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	Measurement of groomed jet substructure observables in p+p collisions at $s=200$ GeV with STAR. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135846.	4.1	18
22	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 102, 014907.	2.9	13
23	Polarization in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 102, 014907.	4.7	9
24	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, 014907.	2.9	11
25	Baryon Production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 102, 014907.	7.8	45
26	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
27	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	16.7	76
28	Underlying event measurements in p+p collisions at $s=200$ GeV at RHIC. Physical Review D, 2020, 101, .	4.7	11
29	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV at the BNL STAR detector. Physical Review C, 2020, 101, .	2.9	18
30	Industrial heat island: a case study of Angul-Talcher region in India. Theoretical and Applied Climatology, 2020, 141, 229-246.	2.8	24
31	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
32	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, 014907.	2.9	31
33	Flow of D and \bar{D} in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 101, .	7.8	61
34	Charge-dependent pair correlations relative to a third particle in p+Au and d+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
35	Production of \bar{D} at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 101, .	4.7	10
36	Polarization of \bar{D} in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2020, 101, .	7.8	131

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37	Measurement of inclusive J/ψ suppression in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 122, 172301.	4.1	22
38	Observation of Excess J/ψ Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 122, 172301.	7.8	22
39	Yield at Very Low Transverse Momenta in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	2.9	53
40	Beam energy dependence of (anti)-deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, 054907.	4.1	56
41	The proton- \bar{p} correlation function in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	2.9	19
42	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
43	Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2019, 100, 014004.	4.7	23
44	Centrality and transverse momentum dependence of ϕ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	2.9	47
45	Centrality and transverse momentum dependence of ϕ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	4.7	30
46	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
47	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2019, 100, 014004.	4.7	27
48	Beam-Energy Dependence of Directed Flow of ϕ -mesons in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	7.8	66
49	Transverse spin transfer to charged pions and ϕ -mesons in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	4.7	7
50	Production of Λ hyperons in polarized proton-proton collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2019, 100, 014004.	4.7	12
51	Pair Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2019, 99, 054907.	4.1	25
52	J/ψ production cross section and its dependence on charged-particle multiplicity in $p\bar{p} + p$ collisions at $\sqrt{s} = 510$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
53	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
54	Longitudinal double-spin asymmetries for \bar{K}_S^0 s in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9

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55	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2018, 98, .	4.7	13
56	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
57	Measurement of the H lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	2.9	52
58	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
59	Global polarization of hyperons in Au + Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review C, 2018, 98, .	2.9	205
60	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
61	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in pA collisions at $\sqrt{s_{NN}}=500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
62	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
63	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2018, 98, .	2.9	23
64	Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
65	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
66	Dijet imbalance measurements in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	20
67	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2017, 118, 012301.	2.9	44
68	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, 1-20.	4.1	30
69	Charge-Dependent Directed Flow in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
70	Global Λ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
71	Coherent diffractive photoproduction of mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, .	2.9	32
72	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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73	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
74	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
75	Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$, 62.4, and 39 GeV. Physical Review C, 2017, 95, .	7.8	95
76	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
77	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
78	Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}}=200$, 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	15
79	Elliptic flow of deuterons, Cu + Cu, and Au + Au collisions at $\sqrt{s_{NN}}=200$, 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	3
80	Direct-photon-hadron correlations to study parton energy loss with the STAR experiment. Nuclear Physics A, 2016, 956, 621-624.	1.5	2
81	Jet-like correlations with direct-photon and neutral-pion triggers at $\sqrt{s_{NN}}=200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 689-696.	4.1	36
82	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}}=200$, 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV. Physical Review C, 2016, 93, .	2.9	55
83	Probing parton dynamics of QCD matter with ϕ production. Physical Review C, 2016, 93, .	2.9	43
84	J/ψ production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	13
85	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson production in Au+Au collisions at $\sqrt{s_{NN}}=200$, 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV. Physical Review C, 2016, 93, .	7.8	58
86	Measurement of the Transverse Single Spin Asymmetry in Au+Au collisions at $\sqrt{s_{NN}}=200$, 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV. Physical Review C, 2016, 93, .	7.8	73
87	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
88	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
89	ϕ production in U + U collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
90	Di-hadron 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

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91	Energy dependence of K_{π}^{\pm} , p_{π}^{\pm} , and K_{p} fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
92	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV from the STAR experiment. Physical Review C, 2015, 92, .	2.9	17
93	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
94	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 115, 092002.	7.8	25
95	Measurement of the U_{π}^{π} and U_{π}^{η} elliptic flow coefficients in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	7.8	85
96	Beam-energy-dependent two-pion interference and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. Physical Review C, 2015, 92, .	2.9	65
97	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2015, 115, 092002.	7.8	70
98	Long-range pseudorapidity dihadron correlations in d+ Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2015, 115, 092002.	7.8	68
99	Measurement of the U_{π}^{π} and U_{π}^{η} elliptic flow coefficients in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	4.1	32
100	Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	11
101	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 91, .	2.9	4
102	Dynamical charge fluctuations in the hadronic medium. Physical Review C, 2015, 91, .	2.9	5
103	Correlation Function in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	7.8	80
104	Effect of event selection on jetlike correlation measurement in d+ Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	7.8	24
105	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
106	Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2014, 90, .	2.9	17
107	Measurement of the U_{π}^{π} and U_{π}^{η} elliptic flow coefficients in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	4.1	10
108	Measurement of the U_{π}^{π} and U_{π}^{η} elliptic flow coefficients in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	54

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109	Observation of $\langle \mathcal{M} \rangle$ vs $\langle \mathcal{N} \rangle$ in Au+Au collisions at RHIC. Physical Review Letters, 2014, 112, 022301.	7.8	179
110	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	2.9	21
111	Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302.	7.8	147
112	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at RHIC. Physical Review C, 2014, 89, .	2.9	73
113	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
114	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
115	Jet-Hadron Correlations in Au+Au collisions at RHIC. Physical Review Letters, 2014, 112, 122301.	7.8	48
116	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at RHIC. Physical Review D, 2014, 89, .	4.7	35
117	Dielectron Mass Spectra from Au+Au collisions at RHIC. Physical Review Letters, 2014, 113, 022301.	7.8	52
118	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
119	Suppression of π^0 production in Au+Au collisions at RHIC. Physical Review Letters, 2014, 112, 122301.	4.1	87
120	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
121	Single spin asymmetry in polarized proton-proton elastic scattering at RHIC. Physical Review Letters, 2013, 719, 62-69.	4.1	41
122	Section 5: Nuclear, Elementary Particle and High-Energy Physics, 2013, 719, 62-69.	4.1	80
123	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
124	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	23
125	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

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127	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
128	Third harmonic flow of charged particles in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	106
129	Elliptic flow of identified hadrons in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	124
130	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
131	System-size dependence of transverse momentum correlations at $\sqrt{s_{NN}} = 200$ GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2012, 85, .	2.9	9
132	Measurement of Azimuthal Anisotropy in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	7.8	38
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	Energy and system-size dependence of two- and four-particle measurements in heavy-ion collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	40
135	Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	4.7	70
136	Displaced on-speculum mid-rapidity inclusive jet production at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	4.7	66
137	Inclusive charged hadron elliptic flow in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	25
138	Anomalous centrality evolution of two-particle angular correlations from Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	127
139	Directed and elliptic flow of charged particles in Cu collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	7.8	80
140	Directed and elliptic flow of charged particles in Cu collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	21
141	Directed Flow of Identified Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2012, 85, .	2.9	45
142	Directed Flow of Identified Particles in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 202301.	7.8	34
143	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, .	2.9	28
144	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91

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145	<p> D^0 and D^* production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2012, 85, . </p>	4.7	97
146	<p> Measurement of the $W^+e^-\nu_e$ and $Z\nu_e\nu_e$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2012, 85, . </p>	4.7	19
147	<p> photoproduction in AuAu collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2011, 106, 122301. </p>	2.9	20
148	<p> nonphotonic electron production in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2012, 85, . </p>	4.7	45
149	<p> Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356. </p>	27.8	154
150	<p> Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473. </p>	4.1	29
151	<p> 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, . </p>	2.9	13