

Igor G Alekseev

List of Publications by Year in descending order

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227
papers

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45317

90
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230
all docs

230
docs citations

230
times ranked

5968
citing authors

#	ARTICLE	IF	CITATIONS
1	Global λ 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	Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.	7.8	278
5	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249
6	Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mo}> + \langle \text{mml:mo}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Collision at RHIC. Physical Review Letters, 2014, 113, 092301.} \rangle \langle \text{mml:math}> \text{Collision}$	7.8	245
7	Challenges in QCD matter physics –The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.	2.5	222
8	Global polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi}> \text{mathvariant="normal"}> \lambda \langle \text{mml:mi}> \langle \text{mml:math}> \text{hyperons in Au + Au collisions at } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mrow}> \langle \text{mml:msqrt}> \langle \text{mml:msub}> \langle \text{mml:mi}> s \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{GeV. Physical Review C, 2018, 98, .} \rangle \langle \text{mml:math}> \text{Collision}$	2.9	205
9	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
10	Observation of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:msup}> \langle \text{mml:mrow}> \langle \text{mml:mi}> D \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:mn}> 0 \langle \text{mml:mn}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Nuclear Modifications in } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mo}> + \langle \text{mml:mo}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Collision at } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Collision at RHIC. Physical Review Letters, 2014, 113, 142301.} \rangle \langle \text{mml:math}> \text{Collision}$	7.8	179
11	Observation of the antimatter helium-4 nucleus. Nature, 2011, 473, 353-356.	27.8	154
12	Beam-Energy Dependence of Charge Separation along the Magnetic Field in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mo}> + \langle \text{mml:mo}> \langle \text{mml:mi}> \text{Au} \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Collision at RHIC. Physical Review Letters, 2014, 113, 052302.} \rangle \langle \text{mml:math}> \text{Collision}$	7.8	147
13	Search for sterile neutrinos at the DANSS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 56-63.	4.1	131
14	Polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> \text{mathvariant="normal"}> \lambda \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{() Tj ETQq0 0 0 rgBT /Overlock 10} \rangle \langle \text{mml:math}> \text{Collision}$	7.8	131
15	Global polarization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:mi}> \text{mathvariant="normal"}> \lambda \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{Au collisions at } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:msqrt}> \langle \text{mml:msub}> \langle \text{mml:mi}> s \langle \text{mml:mi}> \langle \text{mml:mrow}> \langle \text{mml:mi}> N \langle \text{mml:mi}> N \langle \text{mml:mrow}> \langle \text{mml:math}> \text{GeV. Physical Review C, 2013, 88, .} \rangle \langle \text{mml:math}> \text{Collision}$	2.9	127
16	Elliptic flow of identified hadrons in Au+Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow}> \langle \text{mml:msqrt}> \langle \text{mml:msub}> \langle \text{mml:mi}> s \langle \text{mml:mi}> \langle \text{mml:mi}> \text{mathvariant="italic"}> NN \langle \text{mml:mi}> \langle \text{mml:msub}> \langle \text{mml:msqrt}> \langle \text{mml:mo}> = \langle \text{mml:mo}> \langle \text{mml:mn}> 7.7 \langle \text{mml:mn}> \langle \text{mml:mrow}> \langle \text{mml:math}> \text{GeV. Physical Review C, 2013, 88, .} \rangle \langle \text{mml:math}> \text{Collision}$	2.9	124
17	Nonmonotonic Energy Dependence of Net-Proton Number Fluctuations. Physical Review Letters, 2021, 126, 092301.	7.8	111
18	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

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19	Measurement of the elliptic flow of charged particles in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	2.9	106
20	Measurement of the elliptic flow of charged particles in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	4.7	97
21	Azimuthal Anisotropy at Midrapidity in Au-Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
22	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
23	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
24	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	86
25	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
26	Suppression of Λ production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	4.1	87
27	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	2.9	86
28	Azimuthal Anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	85
29	DANSS: Detector of the reactor AntiNeutrino based on Solid Scintillator. Journal of Instrumentation, 2016, 11, P11011-P11011.	1.2	81
30	Identified Hadron Compositions in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	80
31	Production of strange and multistrange particles in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	4.1	80
32	Correlation Function in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	80
33	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	16.7	76
34	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2014, 89, .	2.9	78
35	Measurement of the elliptic flow of charged particles in Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2012, 108, 072301.	7.8	73
36	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71

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37	Use single-spin asymmetry and cross section for $\bar{L} \in \bar{L}$ and $\bar{L} \in \bar{L}$ mesons at large Feynman x_F in polarized proton collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	4.7	70
38	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at RHIC. Physical Review Letters, 2015, 115, 092002.	7.8	70
39	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in Polarized Proton Collisions at RHIC. Physical Review Letters, 2012, 109, 092301.	7.8	69
40	Momentum and Angular Distributions from Linearly Polarized Photon Collisions. Physical Review Letters, 2015, 115, 092301.	7.8	68
41	Measurement of the Bottom Quark Contribution to Nonphotonic Electron Production in Polarized Proton Collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	7.8	68
42	Long-range pseudorapidity dihadron correlations in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	2.9	68
43	Cumulants and correlation functions of net-proton, proton, and antiproton multiplicity distributions in $d+Au$ collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2021, 104, 034907.	4.7	66
44	Beam-Energy Dependence of Directed Flow of Λ and $\bar{\Lambda}$ in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	7.8	66
45	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, 054907.	2.9	65
46	Polarized proton collider at RHIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 392-414.	1.6	64
47	Pair Production in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	7.8	64
48	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
49	Azimuthal dihadron correlations in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	2.9	61
50	First Observation of the Directed Flow of Λ and $\bar{\Lambda}$ in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	7.8	61
51	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Λ and $\bar{\Lambda}$ in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	2.9	60
52	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Λ and $\bar{\Lambda}$ in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	7.8	58
53	Charged and strange hadron elliptic flow in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	4.1	56
54	Charged and strange hadron elliptic flow in $d+Au$ collisions at RHIC. Physical Review Letters, 2010, 105, 092301.	2.9	55

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55	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV from the STAR experiment. Physical Review C, 2015, 92, .	2.9	55
56	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	55
57	Measurement of the elliptic flow of Λ and $\bar{\Lambda}$ baryons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	54
58	Strange hadron production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$, 3.9 , 5.44 , 7.69 , 11.5 , 19.6 , 27 , and 39 GeV. Physical Review C, 2020, 102, .	2.9	54
59	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
60	Measurement of the analyzing power A_N of Λ and $\bar{\Lambda}$ baryons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	4.1	52
61	Measurement of the elliptic flow of Λ and $\bar{\Lambda}$ baryons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	7.8	52
62	Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}} = 2.76$, 3.9 , 5.44 , 7.69 , 11.5 , and 7.7 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	50
63	Measurement of the Λ and $\bar{\Lambda}$ baryon elliptic flow in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	52
64	Global Polarization of Λ and $\bar{\Lambda}$ Baryons in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	7.8	52
65	Jet-Hadron Correlations in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	7.8	48
66	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
67	Λ -meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	47
68	Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for Λ and $\bar{\Lambda}$ Baryons in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	7.8	46
69	Production in Polarized Proton-Proton Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	45
70	High- p_T Λ and $\bar{\Lambda}$ Baryon Production in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	4.7	45
71	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	2.9	45
72	First Measurement of Λ and $\bar{\Lambda}$ Baryon Production in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ and 3.9 TeV. Physical Review C, 2016, 93, .	7.8	45

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73	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2010, 105, 232301.	2.9	44
74	Probing parton dynamics of QCD matter with π^0 production. Physical Review C, 2016, 93, 054907.	2.9	43
75	Energy and system-size dependence of two- and four-particle correlations in polarized proton elastic scattering at 200 GeV. Physical Review Letters, 2013, 111, 62-69.	4.1	41
76	Energy and system-size dependence of two- and four-particle correlations in heavy-ion collisions at 200 GeV. Physical Review Letters, 2012, 108, 202301.	2.9	40
77	Azimuthal Anisotropy in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2012, 108, 022301.	7.8	38
78	Measurement of Analyzing Power for Proton-Carbon Elastic Scattering in the Coulomb-Nuclear Interference Region with a 22.8 GeV/c Polarized Proton Beam. Physical Review Letters, 2002, 89, 052302.	2.9	37
79	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
80	Measurement of Analyzing Power for Proton-Carbon Elastic Scattering in the Coulomb-Nuclear Interference Region with a 22.8 GeV/c Polarized Proton Beam. Physical Review Letters, 2002, 89, 052302.	7.8	36
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	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
83	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review D, 2014, 89, 014004.	4.7	35
84	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
85	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
86	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
87	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, .	4.1	32
88	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
89	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	31
90	Energy dependence of J/ψ production in Au+Au collisions at $\sqrt{s_{NN}} = 7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 13-20.	4.1	31

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91	Longitudinal double-spin asymmetry for inclusive jet and dijet production in p - p collisions at $\sqrt{s} = 510$ GeV. Physical Review C, 2021, 103, .	4.7	30
92	Flow and interferometry results from Au+Au collisions at $\sqrt{s} = 2.9$ GeV. Physical Review C, 2021, 103, .	2.9	30
93	Evolution of the differential transverse momentum correlation function with centrality in Au + Au collisions at $\sqrt{s} = 2.9$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 467-473, .	4.1	29
94	Measurements of single and double spin asymmetry in p - p elastic scattering in the CNL region with a polarized atomic hydrogen gas jet target. Physical Review D, 2009, 79, .	4.7	28
95	Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	28
96	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, .	2.9	28
97	First measurement of proton-proton elastic scattering at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 245-250.	4.1	27
98	Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2018, 97, .	4.7	27
99	Di-electron spectrum at mid-rapidity in p - p collisions at $\sqrt{s} = 2.9$ GeV. Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in p - p collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	2.9	25
100	J/ψ production cross section and its dependence on charged-particle multiplicity in p - p collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93, .	7.8	25
101	Methods for a blind analysis of isobar data collected by the STAR collaboration. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	4.1	25
102	Effect of event selection on jetlike correlation measurement in d+Au collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 742, 332-338, .	3.4	25
103	Charge-dependent pair correlations relative to a third particle in p - p and d+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
104	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	2.9	23
105	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
106	The PP2PP experiment at RHIC: silicon detectors installed in Roman Pots for forward proton detection close to the beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 415-420.	1.6	22
107	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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109	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
110	Measurement of inclusive J/ψ suppression in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 778, 232-237.	4.1	22
111	Yield at Very Low Transverse Momenta in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 174801.	7.8	22
112	Polarized Proton Collisions at 205 GeV at RHIC. Physical Review Letters, 2006, 96, 174801.	7.8	21
113	Cu collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2006, 96, 174801.	2.9	21
114	Event-plane-dependent dihadron correlations with harmonic flow in Au + Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2014, 89, .	2.9	21
115	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
116	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
117	Photoproduction of ϕ mesons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2012, 85, .	4.1	20
118	Photoproduction of ϕ mesons in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2012, 85, .	2.9	20
119	Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2012, 85, .	7.8	20
120	Measurement of the $W^+e^{\frac{1}{2}}$ and $Z^0e^+e^-$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s}=500$ GeV. Physical Review D, 2012, 85, .	4.7	19
121	Charge-Dependent Directed Flow in Au+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2017, 118, 032301.	7.8	19
122	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in p^+p^- 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
123	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
124	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
125	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
126	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

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127	DANSSino: a pilot version of the DANSS neutrino detector. Physics of Particles and Nuclei Letters, 2014, 11, 473-482.	0.4	17
128	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
129	Influence of spin-rotation measurements on partial-wave analyses of elastic pion-nucleon scattering. Physical Review C, 1997, 55, 2049-2053.	2.9	16
130	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
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