

Dmitry N Svirida

List of Publications by Year in descending order

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203
papers

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205
all docs

205
docs citations

205
times ranked

5779
citing authors

#	ARTICLE	IF	CITATIONS
1	Global \hat{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	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at RHIC. Physical Review Letters, 2014, 113, 092301.	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle$ hyperons in Au + Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ GeV. Physical Review C, 2018, 98, .	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msup} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{D} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Nuclear Modifications in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:math} \rangle$ Physical Review Letters, 2014, 113, 142301.	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{Au} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	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 $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ ($\langle \text{mml:math} \rangle$) Tj ETQq0 0 0 rgBT /Overlock 10	7.8	131
15	Mid-rapidity charged hadron yields in Au+Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle \text{mathvariant="normal"} \rangle \hat{b} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mi} \rangle \text{N} \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ GeV. Physical Review C, 2013, 88, .	2.9	127
16	Elliptic flow of identified hadrons in Au+Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="italic"} \rangle \text{NN} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:msqrt} \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 7.7 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ GeV. Physical Review C, 2013, 88, .	2.9	124
17	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
18	Third harmonic flow of charged particles in Au $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:math} \rangle$ Au collisions at $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \langle \text{mml:msqrt} \langle \text{mml:msub} \langle \text{mml:mi} \rangle \text{s} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="italic"} \rangle \text{NN} \langle \text{mml:mi} \rangle \langle \text{mml:msub} \langle \text{mml:msqrt} \langle \text{mml:mo} \rangle = \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 200 \langle \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ GeV. Physical Review C, 2013, 88, .	2.9	106

#	ARTICLE	IF	CITATIONS
19	Measurement of $\langle \cos^2 \theta \rangle$ and $\langle \cos \theta \rangle$ in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 072301.	4.7	97
20	Azimuthal Anisotropy at Midrapidity in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	95
21	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
22	Strangeness Enhancement in Cu-Cu and Au-Au Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2012, 108, 072301.	7.8	91
23	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, 014903.	7.8	90
24	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
25	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	4.1	87
26	Strange and multistrange particle production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2011, 83, 014903.	2.9	86
27	Identification of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	7.8	85
28	DANSS: Detector of the reactor AntiNeutrino based on Solid Scintillator. Journal of Instrumentation, 2016, 11, P11011-P11011.	1.2	81
29	Identification of Λ and $\bar{\Lambda}$ in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	7.8	80
30	Production of Λ and $\bar{\Lambda}$ in Au+Au collisions at high transverse momenta. Physical Review Letters, 2011, 106, 112301.	4.1	80
31	Correlation Function in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	7.8	80
32	Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at $\sqrt{s} = 2.76$ TeV. Physical Review C, 2014, 89, 014903.	2.9	73
33	Transverse single spin asymmetry and cross section for W production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	7.8	73
34	Production of mesons at large Feynman x_F in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 112301.	4.7	70
35	Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2010, 105, 202301.	7.8	70
36	Measurement of the Bottom-Quark Contribution to Nonphotonic Electron Production in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2010, 105, 202301.	7.8	68

#	ARTICLE	IF	CITATIONS
37	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2015, 114, 022301.	6.8	68
38	Longitudinal and transverse spin asymmetries for inclusive jet production at mid-rapidity in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2015, 114, 022301.	4.7	66
39	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2015, 114, 022301.	7.8	66
40	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
41	Pair Production in p+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2015, 114, 022301.	7.8	64
42	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
43	Azimuthal dihadron correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	2.9	61
44	First Observation of the Directed Flow of ^3He in Au+Au Collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	7.8	61
45	The proton A_N correlation function in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	2.9	60
46	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	4.1	56
47	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	2.9	55
48	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	2.9	54
49	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
50	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	4.1	52
51	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	7.8	52
52	Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}} = 62.4, 39, 27, 19.6, 11.5, \text{ and } 7.7$ GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2016, 94, .	2.9	50
53	Measurement of the lifetime in Jet-Hadron Correlations in Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 113, 072301.	2.9	52
54	Measurement of the analyzing power A_N for inclusive jet production in polarized p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review Letters, 2014, 112, 122301.	7.8	48

#	ARTICLE	IF	CITATIONS
55	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in $\langle \cos(3\phi) \rangle$ Central and transverse momentum dependence of D_0	7.8	47
56	-meson production at mid-rapidity in Au + Au collisions at $NN\sqrt{s}$	2.9	47
57	Production in Polarized Proton-Proton Collisions at Δ_{\pm} Balance functions from W	7.8	46
58	$Au + Au$ collisions at $NN\sqrt{s}$	2.9	45
59	nonphotonic p electron production in $p + p$ collisions	4.7	45
60	Anomalous centrality evolution of two-particle angular correlations from Au-Au collisions $NN\sqrt{s}$	2.9	45
61	Measurement of the $Au + Au$ collisions at $NN\sqrt{s}$	2.9	44
62	Probing parton dynamics of QCD matter with $\hat{I}(\phi)$ and $\hat{I}(\phi)$ production.	2.9	43
63	in polarized proton $A + A$ in polarized proton N Energy and system size dependence of two- and four-particle $NN\sqrt{s}$ and High-Energy Physics, 2013, 719, 62-69	4.1	41
64	measurements v_2 in heavy-ion collisions at $NN\sqrt{s}$	2.9	40
65	Azimuthal $Au + Au$ Pion femtoscopy in $p + p$	7.8	38
66	$Au + Au$ collisions at $NN\sqrt{s}$	2.9	37
67	Direct virtual photon production in Au+Au collisions at $NN\sqrt{s}$	4.1	37
68	Measurement of Analyzing Power for Proton-Carbon Elastic Scattering in the Coulomb-Nuclear Interference Region with a 22.4 GeV/c Polarized Proton Beam. Physical Review Letters, 2002, 89, 052302.	7.8	36
69	Jet-like correlations with direct-photon and neutral-pion triggers at sNN=200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 689-696.	4.1	36
70	Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301.	7.8	36
71	Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at $NN\sqrt{s}$	4.7	35
72	Directed Flow of Identified Particles in $Au + Au$ Collisions S at $NN\sqrt{s}$ RHIC. Physical Review Letters, 2012, 108, 202301.	7.8	34

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73	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
74	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
75	Mass spectrum at mid-rapidity 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, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 117, 132001.	4.1	32
76	Coherent diffractive photoproduction of K^0_S mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, .	2.9	32
77	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
78	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	30
79	Evolution of the differential transverse momentum correlation function with centrality 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.	4.7	30
80	Evolution of the differential transverse momentum correlation function with centrality 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, 2011, 704, 467-473.	4.1	29
81	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
82	Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .	2.9	28
83	System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, .	2.9	28
84	First measurement of proton- \bar{p} proton elastic scattering at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 579, 245-250.	4.1	27
85	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
86	Di-electron spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}}$ = 7.7, 11.5, 14.5, 19.6, 27, 39, and 62.4 GeV. Physical Review C, 2012, 86, .	2.9	25
87	J/ψ production cross section and its dependence on charged-particle multiplicity in $p\bar{p}$ collisions at $\sqrt{s_{NN}}$ = 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
88	Effect of event selection on jetlike correlation measurement in d+Au collisions at $\sqrt{s_{NN}}$ = 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	4.1	24
89	Charge-dependent pair correlations relative to a third particle in $p\bar{p}$-Au and d+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
90	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}}$ = 200 GeV. Physical Review C, 2018, 98, .	2.9	23

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91	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
92	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
93	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
94	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
95	Observation of Excess χ Interactions in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	22
96	Yield at Very Low Transverse Momenta in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2006, 96, 174801.	7.8	22
97	Polarized Proton Collisions at 205 GeV at RHIC. Physical Review Letters, 2006, 96, 174801.	7.8	21
98	Directed and elliptic flow of charged particles in Cu+Cu collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2014, 89, .	2.9	21
99	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
100	Longitudinal scaling property of the charge balance function in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2016, 94, .	2.9	21
101	Production of χ in U + U collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2016, 94, .	4.1	20
102	Photoproduction of χ in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2016, 94, .	2.9	20
103	Dijet imbalance measurements in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	20
104	Measurement of the $W^+e^+Z/\bar{\nu}e^+e^+$ production cross sections at mid-rapidity in proton-proton collisions at $\sqrt{s} = 500$ GeV. Physical Review D, 2012, 85, .	4.7	19
105	Charge-Dependent Directed Flow in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19
106	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
107	Collision-energy dependence of χ production in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19

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109	Elliptic flow of electrons from heavy-flavor hadron decays in Au+Au collisions at sNN=200, 62.4, and 39 GeV. Physical Review C, 2017, 95, .	2.9	18
110	DANSSino: a pilot version of the DANSS neutrino detector. Physics of Particles and Nuclei Letters, 2014, 11, 473-482.	0.4	17
111	Energy dependence of $\langle K^0_S, p^0_T \rangle$ and K^0_S fluctuations in Au+Au collisions from sNN=7.7 to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
112	Influence of spin-rotation measurements on partial-wave analyses of elastic pion-nucleon scattering. Physical Review C, 1997, 55, 2049-2053.	2.9	16
113	First measurement of $\langle \sin(2\phi) \rangle$ in Au+Au collisions at sNN=200 GeV. Physical Review C, 2017, 95, .	4.1	15
114	Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, .	2.9	15
115	Measurement of cumulative-photon spectra at high transverse momenta in $^{12}\text{C}+^{9}\text{Be}$ interactions at an energy of 3.2 GeV per nucleon. Physics of Atomic Nuclei, 2008, 71, 1848-1859.	0.4	14
116	Measurement of the spin rotation parameter A^+ in the elastic scattering of positive pions on a longitudinally-polarized proton target in the second resonance region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 351, 585-590.	4.1	13
117	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
118	J/ψ production at low transverse momentum in p+Au collisions at sNN=200 GeV. Physical Review C, 2016, 93, .	2.9	13
119	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized p+p collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2018, 98, .	4.7	13
120	p-Carbon Polarimetry at RHIC. AIP Conference Proceedings, 2008, , .	0.4	12
121	Transverse spin transfer to Λ and Σ hyperons in polarized proton-proton collisions at $\sqrt{s}=200$ GeV. Physical Review D, 2018, 98, .	4.7	12
122	Precision Small Scattering Angle Measurements of Elastic Proton-Proton Single and Double Spin Analyzing Powers at the RHIC Hydrogen Jet Polarimeter. Physical Review Letters, 2019, 123, 162001.	7.8	12
123	Asymmetry in $\pi^+\pi^+$ elastic scattering in the momentum range 1.4-2.1 GeV/c. Nuclear Physics B, 1991, 348, 257-275.	2.5	11
124	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
125	Measurement 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
126	DANSS Neutrino Spectrometer: Detector Calibration, Response Stability, and Light Yield. Physics of Particles and Nuclei Letters, 2018, 15, 272-283.	0.4	11

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127	Measurements of the transverse-momentum-dependent cross sections of Λ production at mid-rapidity in collisions at $\sqrt{s} = 200$ GeV with the STAR detector at RHIC. Journal of High Energy Physics, 2020, 2020, 1.	4.1	10
128	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
129	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
130	System-size dependence of transverse momentum correlations at $\sqrt{s} = 200$ GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, .	2.9	9
131	High-precision measurements of differential cross sections in the second resonance region. Physical Review C, 2015, 91, .	4.1	8
132	Longitudinal double-spin asymmetries for Λ Os in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9
133	Measurement of the pC analyzing power in the momentum range 1.35–2.02 GeV/c. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 434, 254-260.	1.6	8
134	Measurements of spin rotation parameter A in pion-proton elastic scattering at 1.62 GeV/c. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 485, 32-36.	4.1	8
135	Measurement of the spin rotation parameter A in the elastic pion-proton scattering at 1.43 GeV/c. European Physical Journal C, 2006, 45, 383-386.	3.9	8
136	Double spin asymmetries in pion-proton elastic scattering at 1.62 GeV/c. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 485, 32-36.	4.1	8
137	RHIC pC CNI Polarimeter: Status and Performance from the First Collider Run. AIP Conference Proceedings, 2003, , .	0.4	7
138	Backward asymmetry measurements in the elastic pion-proton scattering at resonance energies. European Physical Journal A, 2009, 39, 163-168.	2.5	7
139	Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2011, 106, 122301.	2.9	9
140	Improved measurement of the longitudinal spin transfer to Λ and Σ hyperons in polarized proton-proton collisions. Physical Review Letters, 2011, 106, 122301.	4.7	7
141	Digitization of Waveforms from Photosensors of the DANSS Detector. Instruments and Experimental Techniques, 2018, 61, 349-354.	0.5	7
142	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
143	Measurements of the energy dependence of the analyzing power in Λ pp elastic scattering in the CNI region. Journal of Physics: Conference Series, 2011, 295, 012096.	0.4	6
144	EPECUR setup for the search for narrow baryon resonances in pion-proton scattering. Instruments and Experimental Techniques, 2014, 57, 535-552.	0.5	6

#	ARTICLE	IF	CITATIONS
145	Search for narrow resonances in π -elastic scattering from the EPECUR experiment. Physical Review C, 2016, 93, .	2.9	6
146	Study of the reaction $\bar{\nu}_e + p \rightarrow n + e^+$ on a polarized proton target at 17.78 GeV/c. Experiment and amplitude analysis. Nuclear Physics B, 1999, 541, 3-30.	2.5	5
147	Detector of the reactor AntiNeutrino based on Solid-state plastic Scintillator (DANSS). Status and first results.. Journal of Physics: Conference Series, 2017, 798, 012152.	0.4	5
148	Industrial Reactor Power Monitoring Using Antineutrino Counts in the DANSS Detector. Physics of Atomic Nuclei, 2019, 82, 415-424.	0.4	5
149	Status and Operational Experience with the Polarized Hydrogen Jet at RHIC. AIP Conference Proceedings, 2007, , .	0.4	4
150	Polarization Measurements of RHIC-pp RUN05 Using CNI pC-Polarimeter. AIP Conference Proceedings, 2007, , .	0.4	4
151	Cost effective electronics for proportional and drift chambers of $\bar{\nu}_e$ -EPECUR TM experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 289-297.	1.6	4
152	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
153	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2015, 91, .		
154	Measurements of the spin rotation parameter A in the elastic pion-proton scattering in the D13(1700) resonance region. European Physical Journal A, 2001, 12, 117-120.	2.5	3
155	RHIC polarimetry. European Physical Journal: Special Topics, 2008, 162, 259-265.	2.6	3
156	The FLINT setup for studying cumulative processes with photon production. Instruments and Experimental Techniques, 2008, 51, 491-498.	0.5	3
157	Spectra of double-cumulative photons in the central rapidity region at high transverse momenta. Physics of Atomic Nuclei, 2015, 78, 936-942.	0.4	3
158	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au+Au collisions at $\sqrt{s} = 200$ GeV, Cu + Cu, and Au + Au collisions at $\sqrt{s} = 2.76$ GeV. Physical Review C, 2016, 94, .	2.9	3
159	The Nonuniformity of the Light Yield in Scintillator Strips with Wavelength-Shifting Fibers of the DANSS Detector. Instruments and Experimental Techniques, 2018, 61, 328-331.	0.5	3
160	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
161	Spin Dependence in Polarized and Elastic Scattering at Very Low Momentum Transfer t at RHIC. Nuclear Physics, Section B, Proceedings Supplements, 2005, 146, 77-81.	0.4	2
162	Accelerating polarized protons to 250 GeV. , 2007, , .		2

#	ARTICLE	IF	CITATIONS
163	Search for the Cryptoexotic Member $N_{[sub 10]}$ of the Baryon Antidecuplet $1\hat{2}^+$ in the Reactions $\bar{\Delta}^{\sup} \hat{p} \hat{p} \hat{p} \hat{p}$ and $\bar{\Delta}^{\sup} \hat{p} \hat{p} \hat{K}^{\sup}$. AIP Conference Proceedings, 2008, , .	0.4	2
164	MEASUREMENT OF THE ANALYZING POWER OF PROTON-CARBON ELASTIC SCATTERING IN THE CNI REGION AT RHIC. , 2005, , .		2
165	Analyzing power in CNI-region at AGS (experiment E950). AIP Conference Proceedings, 2000, , .	0.4	1
166	RHIC pC CNI Polarimeter: Experimental Setup and Physics Results. AIP Conference Proceedings, 2003, , .	0.4	1
167	Experimental Setup for Measuring P Asymmetry in the Resonance Region of Elastic Pion-Proton Scattering. Instruments and Experimental Techniques, 2004, 47, 744-750.	0.5	1
168	Absolute Polarization Measurements at RHIC in the Coulomb Nuclear Interference Region. AIP Conference Proceedings, 2007, , .	0.4	1
169	Asymmetry Measurement in the Elastic Pion-Proton Scattering at 1.94 and 2.07 GeV/c. AIP Conference Proceedings, 2007, , .	0.4	1
170	HIGH PRECISION MEASUREMENTS OF THE PION PROTON DIFFERENTIAL ELASTIC CROSS SECTION IN THE SECOND RESONANCE REGION. International Journal of Modern Physics Conference Series, 2014, 26, 1460076.	0.7	1
171	Transverse Spin Asymmetries in the CNI Region of Elastic Proton-Proton Scattering at $s=200$ GeV. International Journal of Modern Physics Conference Series, 2016, 40, 1660056.	0.7	1
172	STAR Collaboration. Nuclear Physics A, 2016, 956, 971-974.	1.5	1
173	STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010.	1.5	1
174	Neutrino Physics at Kalinin Nuclear Power Plant: 2002 - 2017. Journal of Physics: Conference Series, 2017, 934, 012006.	0.4	1
175	Electronics of the data acquisition system of the DANSS detector based on silicon photomultipliers. Physics of Particles and Nuclei, 2018, 49, 84-85.	0.7	1
176	STAR Collaboration. Nuclear Physics A, 2019, 982, 1063-1066.	1.5	1
177	MEASUREMENT OF THE ANALYZING POWER IN PP ELASTIC SCATTERING IN THE PEAK CNI REGION AT RHIC. , 2005, , .		1
178	Measurement of spin rotation parameter $\langle A \rangle$ in $\bar{p} p$ elastic scattering. Surveys in High Energy Physics, 1996, 9, 307-314.	0.6	0
179	Semiempirical approach to the p12C analyzing power description above $T_p = 1$ GeV. European Physical Journal D, 2000, 50, 321-324.	0.4	0
180	New experimental results on the pion-nucleon interaction investigation in the resonance region. European Physical Journal D, 2002, 52, C309-C312.	0.4	0

#	ARTICLE	IF	CITATIONS
181	Polarization experiments with the SPIN setup at the ITEP synchrotron. Physics of Atomic Nuclei, 2002, 65, 220-228.	0.4	0
182	The AGS CNI Polarimeter. AIP Conference Proceedings, 2003, , .	0.4	0
183	Measurement of the Spin Rotation Parameter A in the Elastic Pion-proton Scattering at 1.43 GeV/c. AIP Conference Proceedings, 2004, , .	0.4	0
184	Measurement of spin-rotation parameters in elastic $\pi^+ + p$ scattering at a momentum of 1.62 GeV/c and calibration of a carbon polarimeter. Physics of Atomic Nuclei, 2004, 67, 500-508.	0.4	0
185	Program of measurement of the asymmetry P at the minima of the differential cross section for elastic $\pi^+ + p$ scattering. Physics of Atomic Nuclei, 2005, 68, 398-403.	0.4	0
186	Accelerating Polarized Protons to High Energy. AIP Conference Proceedings, 2007, , .	0.4	0
187	The First Measurement of the Elastic pp-scattering Spin Parameters at $\sqrt{s} = 200$ GeV. AIP Conference Proceedings, 2007, , .	0.4	0
188	$\hat{\rho}$ -Polarization Measurement in $\pi^+p \rightarrow \pi^+p$ in the Framework of $\hat{E}P\hat{E}C\hat{U}R^{\text{TM}}$ Experiment Proposal. AIP Conference Proceedings, 2007, , .	0.4	0
189	Absolute measurement of the polarization of high energy proton beams at RHIC. , 2007, , .		0
190	Recent results of the parameters A and R measurements in the resonance region of the π^+N -elastic scattering and subsequent investigations.. AIP Conference Proceedings, 2008, , .	0.4	0
191	Precision Measurements of the Proton Beam Absolute Polarization With RHIC Polarimeters. , 2009, , .		0
192	Studies and proposed changes to the RHIC p-Carbon polarimeters for the upcoming RUN-11. Journal of Physics: Conference Series, 2011, 295, 012130.	0.4	0
193	Observation of snake resonances at Relativistic Heavy Ion Collider. Journal of Physics: Conference Series, 2011, 295, 012142.	0.4	0
194	Results on transverse spin asymmetries in the polarized proton-proton elastic scattering in the CNI region at STAR. , 2011, , .		0
195	New high precision data on the differential cross sections of the pion-proton elastic scattering. EPJ Web of Conferences, 2014, 81, 02001.	0.3	0
196	STAR Collaboration. Nuclear Physics A, 2014, 932, 634-637.	1.5	0
197	STAR Collaboration. Nuclear Physics A, 2014, 931, 1237-1240.	1.5	0
198	Improving results on transverse double spin asymmetries in the CNI region at STAR. Physics of Particles and Nuclei, 2014, 45, 120-122.	0.7	0

#	ARTICLE	IF	CITATIONS
199	Light output distribution in scintillator strips with wave length shifting fibers of DANSS spectrometer. Journal of Physics: Conference Series, 2017, 934, 012055.	0.4	0
200	RHIC pC CNI POLARIMETER, CURRENT STATUS AND FUTURE PLANS. , 2002, , .		0
201	STATUS OF PROTON POLARIZATION IN RHIC AND AGS. , 2005, , .		0
202	RESULTS FOR THE ASYMMETRY MEASUREMENT IN ELASTIC PION-PROTON SCATTERING AT 1.78 AND 2.07GeV/c. , 2005, , .		0
203	THE EXPERIMENTAL INVESTIGATION OF THE MISSING N* - AND $\hat{1}''$ -RESONANCES PROBLEM: CURRENT STATUS AND PERSPECTIVES. , 2007, , .		0