

# Áukasz Fulek

## List of Publications by Year in descending order

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82  
papers

3,717  
citations

136950

32  
h-index

128289

60  
g-index

82  
all docs

82  
docs citations

82  
times ranked

4577  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strange hadron production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 044907.	2.9	54
2	Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135563.	4.1	6
3	$\pi$ -meson two-dimensional angular correlations in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 044908.	2.9	8
4	Beam energy dependence of net- $\delta$ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, 044909.	2.9	11
5	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
6	Investigation of the linear and mode-coupled flow harmonics in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135728.	4.1	10
7	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
8	Measurement of inclusive charged-particle jet production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 044910.	2.9	13
9	Polarization in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 044911.	4.7	9
10	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, 044912.	2.9	10
11	Baryon Production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 044913.	7.8	45
12	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	16.7	76
13	Underlying event measurements in p+p collisions at $s=200$ GeV at RHIC. Physical Review D, 2020, 101, 034007.	4.7	11
14	Bulk properties of the system formed in Au+Au collisions at $\sqrt{s} = 200$ GeV at the BNL STAR detector. Physical Review C, 2020, 101, 044914.	2.9	18
15	Measurement of away-side broadening with self-subtraction of flow in Au+Au collisions at $\sqrt{s} = 200$ GeV. Chinese Physics C, 2020, 44, 104001.	3.7	2
16	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, 044915.	2.9	31
17	Directed flow of deuterons in Au+Au collisions at $\sqrt{s} = 200$ GeV and Au+Au collisions at $\sqrt{s} = 27.6$ GeV. Physical Review C, 2020, 102, 044916.	7.8	61
18	Charge-dependent pair correlations relative to a third particle in Au+Au and Au+Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24

#	ARTICLE	IF	CITATIONS
19	<p>Measurements of the transverse-momentum-dependent cross sections of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in <math>\sqrt{s_{NN}} = 2.76</math> and <math>2.01</math> TeV Au+Au collisions at the Relativistic Heavy Ion Collider. <i>Physical Review C</i>, 2019, 99, 054907.</p>	4.7	10
20	<p>Measurement of inclusive <math>J/\psi</math> suppression in Au+Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054908.</p>	7.8	131
21	<p>Observation of Excess <math>\langle \mathbf{p}_T \rangle</math> in Au+Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054909.</p>	4.1	22
22	<p>Yield at Very Low Transverse Momenta in Au+Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054910.</p>	7.8	22
23	<p>Beam energy dependence of (anti)-deuteron production in Au + Au collisions at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i>, 2019, 99, 054911.</p>	2.9	53
24	<p>Centrality and transverse momentum dependence of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054912.</p>	4.1	56
25	<p>Collision energy dependence of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i>, 2019, 99, 054913.</p>	2.9	19
26	<p>Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. <i>Physical Review Letters</i>, 2019, 122, 172301.</p>	7.8	36
27	<p>Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at <math>\sqrt{s} = 13</math> TeV. <i>Physical Review D</i>, 2019, 100, 014004.</p>	4.7	23
28	<p>Centrality and transverse momentum dependence of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054914.</p>	2.9	47
29	<p>Centrality and transverse momentum dependence of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054915.</p>	4.7	30
30	<p>Constraining the initial conditions and temperature dependent viscosity with three-particle correlations in Au+Au collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i>, 2019, 790, 81-88.</p>	4.1	3
31	<p>Measurements of Particle Spectra in Diffractive Proton-Proton Collisions with the STAR Detector at RHIC. <i>Acta Physica Polonica B, Proceedings Supplement</i>, 2019, 12, 999.</p>	0.1	1
32	<p>Azimuthal transverse single-spin asymmetries of inclusive jets and charged pions within jets from polarized-proton collisions at <math>\sqrt{s} = 13</math> TeV. <i>Physical Review D</i>, 2018, 97, 014004.</p>	4.7	27
33	<p>Improved measurement of the longitudinal spin transfer to <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054916.</p>	7.8	66
34	<p>Centrality and transverse momentum dependence of <math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054917.</p>	4.7	7
35	<p>Low-<math>\langle \mathbf{p}_T \rangle</math> production at mid-rapidity in Au + Au collisions at <math>\sqrt{s_{NN}} = 2.76</math> TeV. <i>Physical Review C</i>, 2019, 99, 054918.</p>	4.7	12
36	<p>Pair Production in <math>\sqrt{s} = 13</math> TeV pp Collisions. <i>Physical Review Letters</i>, 2019, 122, 172302.</p>	7.8	67

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37	$\sqrt{s}$ production cross section and its dependence on charged-particle multiplicity in $p\bar{e} + \bar{e}p$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
38	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
39	Longitudinal double-spin asymmetries for $\bar{e}0s$ in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9
40	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2018, 98, .	4.7	13
41	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
42	Measurement of the $H$ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, .	2.9	52
43	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
44	Global polarization of $\bar{e}$ hyperons in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	2.9	205
45	Beam Energy Dependence of Jet-Quenching Effects in Au+Au Collisions at $\sqrt{s} = 7.7, 11.5, 14.5, 19.6, 27, 39,$ and 62.4 GeV. Physical Review Letters, 2018, 121, 032301.	7.8	33
46	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p\bar{e} + \bar{e}p$ collisions at $\sqrt{s} = 500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
47	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
48	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	2.9	33
49	Direct virtual photon production in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
50	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
51	Dijet initial-state measurements in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2017, 96, .	7.8	20
52	Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2017, 96, .	2.9	44
53	Energy dependence of $\bar{e}$ production in Au + Au collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458.	4.1	37
54	Charge-Dependent Directed Flow in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review Letters, 2017, 118, 012301.	7.8	19

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55	Global $\Lambda$ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
56	Coherent diffractive photoproduction of $\eta$ mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, .	2.9	32
57	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
58	Measurements of identified particle spectra in diffractive pp collisions with the STAR detector at RHIC. AIP Conference Proceedings, 2017, , .	0.4	0
59	STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010.	1.5	1
60	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
61	Measurement of $D$ Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=200$ , 62.4, and 39 GeV. Physical Review C, 2016, 94, .	2.9	15
62	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	10
63	Measurement of elliptic flow of $d$ , $Cu + Cu$ , and $Au + Au$ collisions at $\sqrt{s_{NN}}=200$ , 62.4, 39, 27, 19.6, 11.5, and 7.7 GeV. Physical Review C, 2016, 94, .	2.9	3
64	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
65	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	55
66	Probing parton dynamics of QCD matter with $\Lambda$ production. Physical Review C, 2016, 93, .	2.9	43
67	$\Lambda$ production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	13
68	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson 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, 94, .	7.8	58
69	Measurement of $p$ 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, 94, .	7.8	73
70	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
71	Measurement of $\Lambda$ production in U + U collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
72	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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73	Energy dependence of $K_{\pi^0}$ , $p_{T, \pi^0}$ , and $K_{pT}$ fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
74	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
75	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
76	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, 114, 252302.	7.8	25
77	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 114, 252302.	7.8	85
78	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 265-271.	7.8	68
79	Feasibility studies of the exclusive diffractive bremsstrahlung measurement at RHIC energies. , 2015, .		0
80	Energy dependence of acceptance-corrected dielectron excess mass spectrum at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 114, 252302.	4.1	32
81	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
82	Feasibility Studies of Exclusive Diffractive Bremsstrahlung Measurement at RHIC Energies. Acta Physica Polonica B, 2015, 46, 1979.	0.8	5