

# Áukasz Fulek

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6992058/publications.pdf>

Version: 2024-02-01

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	Global $\Lambda$ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65.	27.8	585
2	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
3	Global polarization of $\Lambda$ hyperons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2018, 98, 054907.	2.9	205
4	Measurement of the transverse single-spin asymmetry in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	131
5	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
6	Azimuthal Anisotropy at Midrapidity in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	95
7	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
8	Azimuthal Anisotropy in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	85
9	Measurement of the mass difference and the binding energy of the hypertriton and antihypertriton. Nature Physics, 2020, 16, 409-412.	16.7	76
10	Measurement of the Transverse Single-Spin Asymmetry in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	73
11	Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348.	27.8	71
12	Long-range pseudorapidity dihadron correlations in d+ Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	68
13	Measurement of the transverse single-spin asymmetry in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	66
14	Pair Production in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	64
15	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and $\Lambda$ Hyperons in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	61
16	Meson in Au + Au Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2015, 114, 252302.	7.8	58
17	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV from the STAR experiment. Physical Review C, 2015, 92, .	4.1	56
18	Measurements of dielectron production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV from the STAR experiment. Physical Review C, 2015, 92, .	2.9	55



#	ARTICLE	IF	CITATIONS
37	Energy dependence of $J/\psi$ production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
38	Longitudinal double-spin asymmetry for inclusive jet and dijet production in polarized proton collisions at $\sqrt{s} = 510$ GeV. Physical Review C, 2018, 98, .	4.7	30
39	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, 2019, 99, .	4.7	27
40	Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in $J/\psi$ production cross section and its dependence on charged-particle multiplicity in $p\bar{p} + \bar{p}p$ collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2018, 98, .	7.8	25
41	$J/\psi$ production cross section and its dependence on charged-particle multiplicity in $p\bar{p} + \bar{p}p$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	25
42	Charge-dependent pair correlations relative to a third particle in $p\bar{p} + \bar{p}p$ and $d\bar{d} + \bar{d}d$ Au and $d\bar{d} + \bar{d}d$ Au collisions at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134975.	4.1	24
43	Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2018, 98, .	4.1	22
44	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
45	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
46	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
47	Observation of Excess $J/\psi$ Production in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93.	4.1	22
48	Yield at Very Low Transverse Momenta in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2018, 98, .	7.8	22
49	Dijet imbalance measurements in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2017, 95, .	2.9	21
50	Charge-Dependent Directed Flow in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2017, 95, .	7.8	20
51	Charge-Dependent Directed Flow in Au+Au Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2017, 95, .	7.8	19
52	Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p\bar{p} + \bar{p}p$ collisions at $\sqrt{s} = 500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339.	4.1	19
53	Collision-energy dependence of $J/\psi$ production in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, .	2.9	19
54	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

#	ARTICLE	IF	CITATIONS
55	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
56	Bulk properties of the system formed in Au+Au collisions at sNN=200 GeV at the BNL STAR detector. Physical Review C, 2020, 101, .	2.9	18
57	Energy dependence of K <sup>0</sup> <sub>S</sub> , p <sup>±</sup> , and K <sup>±</sup> fluctuations in Au+Au collisions from NN=7.7 to 200 GeV. Physical Review C, 2015, 92, .	2.9	17
58	J/ψ production at low transverse momentum in p+Au and Au+Au collisions at sNN=200 GeV. Physical Review C, 2016, 93, .	2.9	13
59	Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized p+p collisions at sNN=200 GeV. Physical Review C, 2020, 102, .	4.7	13
60	Measurement of inclusive charged-particle jet production in Au+Au collisions at sNN=200 GeV. Physical Review C, 2020, 102, .	2.9	13
61	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.	4.7	12
62	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
63	Beam energy dependence of net- $\hat{b}$ fluctuations measured by the STAR experiment at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 102, .	2.9	11
64	Underlying event measurements in p+p collisions at s=200 GeV at RHIC. Physical Review D, 2020, 101, .	4.7	11
65	Measurements of the transverse-momentum-dependent cross sections of J/ψ production at mid-rapidity in p+p collisions at sNN=200 GeV. Physical Review C, 2020, 102, .	4.7	10
66	Measurement of the central exclusive production of charged particle pairs in proton-proton collisions at sNN=200 GeV with the STAR detector at RHIC. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
67	Measurement of the linear and mode-coupled flow harmonics in Au+Au collisions at sNN=200 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, .	4.1	10
68	Beam-energy dependence of the directed flow of deuterons in Au+Au collisions. Physical Review C, 2020, 102, .	2.9	10
69	Longitudinal double-spin asymmetries for K <sup>0</sup> <sub>S</sub> in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, .	4.7	9
70	Measurement of inclusive J/ψ production at mid-rapidity in p+p collisions at sNN=200 GeV. Physical Review C, 2020, 102, .	4.7	9
71	Improved measurement of the longitudinal spin transfer to hadron production in Au+Au collisions at sNN=200 GeV. Physical Review C, 2020, 102, .	2.9	8
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.	4.7	7

#	ARTICLE	IF	CITATIONS
73	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
74	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, 135663.	4.1	6
75	Feasibility Studies of Exclusive Diffractive Bremsstrahlung Measurement at RHIC Energies. Acta Physica Polonica B, 2015, 46, 1979.	0.8	5
76	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au+Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2016, 94.	2.9	3
77	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
78	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
79	STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010.	1.5	1
80	Measurements of Particle Spectra in Diffractive Proton–Proton Collisions with the STAR Detector at RHIC. Acta Physica Polonica B, Proceedings Supplement, 2019, 12, 999.	0.1	1
81	Feasibility studies of the exclusive diffractive bremsstrahlung measurement at RHIC energies. , 2015, , .		0
82	Measurements of identified particle spectra in diffractive pp collisions with the STAR detector at RHIC. AIP Conference Proceedings, 2017, , .	0.4	0