

# Leo Greiner

## List of Publications by Year in descending order

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155  
papers

5,324  
citations

76326

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95266

68  
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159  
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159  
docs citations

159  
times ranked

4980  
citing authors

#	ARTICLE	IF	CITATIONS
1	Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 86, 402-407.	7.8	610
2	STAR detector overview. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 499, 624-632.	1.6	554
3	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
4	Observation of Nuclear Modifications in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2004, 93, 252302.	7.8	179
5	Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 052302.	7.8	147
6	Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	4.7	97
7	Measurement of Azimuthal Anisotropy at Midrapidity in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2004, 93, 252302.	7.8	145
8	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
9	Azimuthal Anisotropy in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2004, 93, 252302.	7.8	85
10	Correlation Function in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2004, 93, 252302.	7.8	80
11	Measurements of the Transverse Single-Spin Asymmetry in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2002, 89, 2345-2348.	7.8	77
12	Measurement of the Transverse Single-Spin Asymmetry in Au+Au Collisions at $\sqrt{s_{NN}}=2.76$ GeV. Physical Review Letters, 2002, 89, 2345-2348.	7.8	73
13	The STAR MAPS-based PiXeL detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 907, 60-80.	1.6	72
14	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
15	Long-range pseudorapidity dihadron correlations in d+Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High Energy Physics, 2015, 747, 265-271.	7.8	68
16	$\hat{1}$ Spectra in 11.6 GeV/c Au-Au Collisions. Physical Review Letters, 2002, 88, 062301.	7.8	67
17	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
18	A MAPS based vertex detector for the STAR experiment at RHIC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 68-72.	1.6	64

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19	Measurement of Longitudinal Spin Asymmetries for Weak Boson Production in Polarized Proton-Proton Collisions at RHIC. <i>Physical Review Letters</i> , 2014, 113, 072301.	7.8	62
20	Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	62
21	Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2016, 116, 112302.	7.8	61
22	Measurements of dielectron production in Au + Au collisions at RHIC. <i>Physical Review C</i> , 2015, 92, .	7.8	58
23	Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at low $\sqrt{s}$ . <i>Physical Review C</i> , 2016, 93, .	2.9	55
24	Energy dependence and fluctuations of anisotropic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ and 2.76 TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	55
25	Measurement of elliptic flow of light nuclei at RHIC. <i>Physical Review C</i> , 2016, 94, .	2.9	54
26	Energy dependence of forward-rapidity $\psi_{J/\psi}$ and $\psi(2S)$ production in pp collisions at the LHC. <i>European Physical Journal C</i> , 2017, 77, 392.	3.9	50
27	Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. <i>European Physical Journal C</i> , 2019, 79, 1.	3.9	49
28	Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	49
29	Jet-Hadron Correlations in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2016, 116, 112302.	7.8	48
30	Interactions of relativistic neon to nickel projectiles in hydrogen, elemental production cross sections. <i>Physical Review C</i> , 1996, 53, 347-357.	2.9	47
31	Beam Energy Dependence of the Third Harmonic of Azimuthal Correlations in Au+Au Collisions at RHIC. <i>Physical Review Letters</i> , 2016, 116, 112302.	7.8	47
32	D-meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review C</i> , 2019, 99, .	2.9	47
33	Interactions in hydrogen of relativistic neon to nickel projectiles: Total charge-changing cross sections. <i>Physical Review C</i> , 1994, 49, 3200-3210.	2.9	46

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37	Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1.	2.6	44
38	Probing parton dynamics of QCD matter with $\hat{\Gamma}$ and $\hat{\Gamma}^*$ production. Physical Review C, 2016, 93, .	2.9	43
39	Measurement of $\mathcal{D}^0$ , $\mathcal{D}^+$ , $\mathcal{D}^{*+}$ and $\mathcal{D}^+_{s_1}$ production in pp collisions at $\sqrt{s} \approx 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1.	3.9	43
40	$\hat{\Gamma}^+$ production in pp collisions at $\sqrt{s} = 7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	42
41	Measurement of deuteron spectra and elliptic flow in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV at the LHC. European Physical Journal C, 2017, 77, 1.	3.9	40
42	Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	40
43	Multiplicity dependence of $\pi$ , K, and p production in pp collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	38
44	Search for New Metastable Particles Produced in Au + Au Collisions at 10.8 AGeV/c. Physical Review Letters, 1995, 75, 3078-3081.	7.8	37
45	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
46	Production of $\Sigma(1385)^{\pm}$ and $\Xi(1385)^{\pm}$ . European Physical Journal C, 2017, 77, 389.	3.9	36
47	$\pi^0$ and $\eta$ meson production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	34
48	Energy dependence of exclusive $\mathcal{J}/\psi$ photoproduction off protons in ultra-peripheral p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 1. <a href="https://arxiv.org/abs/1907.00001">acceptance-corrected dielectron excess mass spectrum at mid-rapidity in</a>	3.9	34
49	$\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2017, 77, 1. <a href="https://arxiv.org/abs/1707.00001">acceptance-corrected dielectron excess mass spectrum at mid-rapidity in</a>	4.1	32
50	Charged-particle multiplicity distributions over a wide pseudorapidity range in proton-proton collisions at $\sqrt{s} = 0.9, 7, \text{ and } 8$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	32
51	Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1.	3.9	31
52	Neutral pion and $\eta$ meson production in p-Pb collisions at $\sqrt{s_{NN}}$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	31
53	Interactions of relativistic $^{36}\text{Ar}$ and $^{40}\text{Ar}$ nuclei in hydrogen: Isotopic production cross sections. Physical Review C, 1997, 56, 398-406.	2.9	30
54	Systematics of isotopic production cross sections from interactions of relativistic $^{40}\text{Ca}$ in hydrogen. Physical Review C, 1997, 56, 1536-1543.	2.9	28

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55	Production of $\pi^0$ and $\eta$ mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339.	3.9	28
56	Improvement of mass resolution of cosmic ray nuclei using a $^3\text{He}$ -E Si detector telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 325, 335-342.	1.6	25
57	Simultaneous Correlations of Charged Pion Pairs in $pp$ Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	7.8	25
58	Light nuclei production in relativistic Au+nucleus collisions. Physical Review C, 1998, 58, 1155-1164.	2.9	24
59	Effect of event selection on jetlike correlation measurement in d+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339.	2.9	24
60	(Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	24
61	Centrality Dependence of Antiproton Production in Au+Au Collisions. Physical Review Letters, 1995, 75, 3633-3636.	7.8	23
62	A proposed STAR microvertex detector using Active Pixel Sensors with some relevant studies on APS performance. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 132-138.	1.6	23
63	Production of light-flavor hadrons in pp collisions at $\sqrt{s} = 7$ and $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	23
64	Prompt D0, D+, and D*+ production in Pb+Pb collisions at $\sqrt{s_{\text{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	4.7	23
65	Light nuclei production in heavy-ion collisions at relativistic energies. Physical Review C, 2002, 65, .	2.9	21
66	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
67	Production of $\pi^0$ and $\eta$ mesons in U + U collisions at $\sqrt{s} = 8.8$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, .	2.9	21
68	Relativistic Interaction of $^{22}\text{Ne}$ and $^{26}\text{Mg}$ in Hydrogen and the Cosmic Ray Implications. Astrophysical Journal, 1997, 479, 504-521.	4.5	20
69	Direct imbalance measurements in Au+Au collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	7.8	20
70	Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
71	Results from the STAR TPC system test. IEEE Transactions on Nuclear Science, 1997, 44, 592-597.	2.0	19
72	Charge-Dependent Directed Flow in Cu+Cu and Au+Au Collisions at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301.	7.8	19

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73	Measurement of prompt $D^0$ , $D^+$ , $D^{*+}$ , and $D_{s1}^+$ production in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	18
74	Energy dependence of $K^*$ , $\rho$ , 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
75	Prompt and non-prompt $\psi(2S)$ production and nuclear modification at mid-rapidity in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	16
76	Event-Shape Engineering for the D-meson elliptic flow in mid-central $Pb-Pb$ collisions at $\sqrt{s_{NN}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	16
77	Sampling calorimeter for high energy heavy particles filled with allene-doped liquid argon. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1991, 302, 290-300.	1.6	15
78	A study of monolithic CMOS pixel sensors back-thinning and their application for a pixel beam telescope. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 579, 675-679.	1.6	15
79	Relative particle yield fluctuations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	15
80	Higher harmonic non-linear flow modes of charged hadrons in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
81	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
82	Antiproton distributions in $Au$ +nucleus collisions. Physical Review C, 1997, 56, 1521-1535.	2.9	14
83	$J/\psi$ elliptic and triangular flow in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	14
84	Inclusive $J/\psi$ production at mid-rapidity in $pp$ collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
85	$J/\psi$ production at low transverse momentum in $pp$ and $Au+Au$ collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, .	2.9	13
86	W and Z boson production in $p-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
87	Searches for transverse momentum dependent flow vector fluctuations in $Pb-Pb$ and $p-Pb$ collisions at the LHC. Journal of High Energy Physics, 2017, 2017, 1.	4.7	13
88	Measurement of the inclusive $J/\psi$ polarization at forward rapidity in $pp$ collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	13
89	Studies of $J/\psi$ production at forward rapidity in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
90	Charged-particle pseudorapidity density at mid-rapidity in $Pb-Pb$ collisions at $\sqrt{s_{NN}} = 8.16$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	12

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91	Study of $J/\psi$ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
92	Design of the Bevalac heavy ion spectrometer system and its performance in studying $^{12}\text{C}$ fragmentation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 277, 431-444.	1.6	11
93	An update on the strangeness production measurements and $\Lambda$ -baryon search as performed by the AGS experiment 896. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 311-318.	3.6	11
94	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
95	The MAPS based PXL vertex detector for the STAR experiment. Journal of Instrumentation, 2015, 10, C03026-C03026.	1.2	11
96	Isolation 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.	200	11
97	Measurement of the production of charm jets tagged with $D_0$ mesons in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
98	Azimuthal correlations of prompt D mesons with charged particles in pp and $\text{Pb-Pb}$ collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	11
99	Coherent photoproduction of $\rho^0$ vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
100	Underlying event properties in pp collisions at $\sqrt{s}=13$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	11
101	Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s}=7$ TeV and $\text{Pb-Pb}$ collisions at $\sqrt{s_{\text{NN}}}=5.02$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	10
102	Rapidity distributions of antiprotons in Si+A and Au+A collisions. Nuclear Physics A, 1994, 566, 439-442.	1.5	9
103	Event-shape and multiplicity dependence of freeze-out radii in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	9
104	Search for new negative particles produced in 14.6 A GeV/c Si+A interactions. Nuclear Physics, Section B, Proceedings Supplements, 1991, 24, 251-254.	0.4	8
105	production in relativistic heavy ion collisions: Results of BNL-E858. Nuclear Physics A, 1992, 544, 603-607.	1.5	8
106	Sensor development and readout prototyping for the STAR Pixel detector. Journal of Instrumentation, 2009, 4, P03008-P03008.	1.2	8
107	The STAR Heavy Flavor Tracker (HFT): focus on the MAPS based PXL detector. Nuclear and Particle Physics Proceedings, 2016, 273-275, 1155-1159.	0.5	8
108	Inclusive $J/\psi$ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8

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109	Measurement of the inclusive isolated photon production cross section in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2019, 79, 1.	3.9	8
110	Neutron production at $0^\circ$ from the $^{40}\text{Ca}+^4\text{He}$ reaction at $E_{\text{lab}}=357\text{A}$ and $565\text{A MeV}$ . Physical Review C, 1997, 56, 1057-1063.	2.9	7
111	Dielectron azimuthal anisotropy at mid-rapidity in $\text{Au}+\text{Au}$ collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Physical Review C, 2014, 90, .	4.7	7
112	Measurements of low- $p_T$ electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in $pp$ and $\text{Pb-Pb}$ collisions at $\sqrt{s_{\text{NN}}}=2.76$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
113	Production of light (anti)nuclei in $pp$ collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	7
114	CMOS monolithic pixel sensors research and development at LBNL. Pramana - Journal of Physics, 2007, 69, 963-967.	1.8	6
115	Readout Hardware and Firmware Architecture of the HFT PXL Detector at STAR. IEEE Transactions on Nuclear Science, 2013, 60, 3689-3693.	2.0	6
116	Dielectron production in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	6
117	Measurement of nuclear effects on $\bar{\chi}(2S)$ production in $p\text{-Pb}$ collisions at $\sqrt{s_{\text{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	6
118	Inclusive $\chi/\psi$ production at midrapidity in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	6
119	Investigating charm production and fragmentation via azimuthal correlations of prompt D mesons with charged particles in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2022, 82, 1.	3.9	6
120	High rate multiplicity detector for relativistic heavy-ion collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 357, 283-291.	1.6	5
121	Measurement of charm flow with the STAR Heavy Flavour Tracker. Journal of Physics G: Nuclear and Particle Physics, 2006, 32, S571-S574.	3.6	5
122	Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s}=7$ TeV $pp$ and $\sqrt{s_{\text{NN}}}=5.02$ TeV $p\bar{A}+^4\text{He}$ collisions. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
123	A program to measure new energetic particle nuclear interaction cross sections. Advances in Space Research, 1994, 14, 825-830.	2.6	4
124	Analysis of data obtained with Au ions of 700 MeV/n energy in an allene-doped liquid Ar homogeneous calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 362, 506-516.	1.6	4
125	A heavy ion spectrometer system for the measurement of projectile fragmentation of relativistic heavy ions. Radiation Measurements, 1997, 27, 549-567.	1.4	4
126	Results from a prototype MAPS sensor telescope and readout system with zero suppression for the heavy flavor tracker at STAR. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 589, 167-172.	1.6	4



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127	Experience from the construction and operation of the STAR PXL detector. Journal of Instrumentation, 2015, 10, C04014-C04014.	1.2	4
128	A MAPS Based Micro-Vertex Detector for the STAR Experiment. Physics Procedia, 2015, 66, 514-519.	1.2	4
129	Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2015, 91, .	2.9	4
130	Production of muons from heavy-flavour hadron decays in pp collisions at $\sqrt{s} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	4
131	$J/\psi$ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
132	Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
133	Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	4
134	Centrality dependence of $J/\psi$ and $\Upsilon(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	4.7	4
135	Production of $\omega$ mesons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	4
136	First results from the H0 di-baryon search and hyperon production measurements by the AGS Experiment 896.. Nuclear Physics A, 1999, 661, 170-176.	1.5	3
137	STAR PIXEL detector mechanical design. Journal of Instrumentation, 2009, 4, P05015-P05015.	1.2	3
138	Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, .	2.9	3
139	$\phi$ meson production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. European Physical Journal C, 2018, 78, 1.	3.9	3
140	MAPS application in the STAR and ALICE Experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162283.	1.6	3
141	Neutron production in coincidence with fragments from the $^{40}\text{Ca} + \text{H}$ reaction at $E_{\text{lab}} = 357 \text{ A}$ and $565 \text{ A MeV}$ . Physical Review C, 1999, 59, 233-238.	2.9	2
142	Strange and multi-strange baryon measurement in Au + Au collisions at $11.6 \text{ A GeV/c}$ with the silicon drift detector array from the AGS experiment E896. Nuclear Physics A, 1999, 661, 489-492.	1.5	2
143	The STAR Heavy Flavor Tracker PXL detector readout electronics. Journal of Instrumentation, 2016, 11, C01034-C01034.	1.2	2
144	Charged-particle multiplicity fluctuations in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76 \text{ TeV}$ . European Physical Journal C, 2021, 81, 1.	3.9	2

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145	Distributed drift chamber design for rare particle detection in relativistic heavy ion collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 371-384.	1.6	1
146	STAR Collaboration. Nuclear Physics A, 2016, 956, 971-974.	1.5	1
147	STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010.	1.5	1
148	$\mathbf{K}_S^0$ and (anti-) $\Lambda$ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1.	3.9	1
149	Temporal studies of a MWPC at high pressures. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1992, 323, 424-430.	1.6	0
150	Beavis et al. Reply. Physical Review Letters, 1997, 78, 3419-3419.	7.8	0
151	Neutron production in coincidence with fragments from the $^{40}\text{Ca} + \text{H}$ reactions at $E_{\text{lab}} = 357$ and $565$ A MeV. AIP Conference Proceedings, 2000, , .	0.4	0
152	Readout hardware and firmware architecture of the HFT PXL detector at STAR. , 2012, , .		0
153	STAR Collaboration. Nuclear Physics A, 2014, 932, 634-637.	1.5	0
154	STAR Collaboration. Nuclear Physics A, 2014, 931, 1237-1240.	1.5	0
155	Neutron Production from the $^{40}\text{Ca} + \text{H}$ Reaction at $E_{\text{lab}} = 357$ and $565$ A MeV. , 1998, , 145-154.		0