

Leo Greiner

List of Publications by Year in descending order

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Version: 2024-02-01

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 | Prompt D_0 , D^+ , and D^{*+} production in Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2022, 2022, 1. | 4.7 | 23 |
| 2 | Production of light (anti)nuclei in pp collisions at $\sqrt{s} = 5.02$ TeV. European Physical Journal C, 2022, 82, 1. | 3.9 | 7 |
| 3 | 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 |
| 4 | Centrality dependence of J/ψ and $\Upsilon(2S)$ production and nuclear modification in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2021, 2021, 1. | 4.7 | 4 |
| 5 | 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 |
| 6 | K_S^0 and (anti)- Λ -hadron correlations in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1. | 3.9 | 1 |
| 7 | Charged-particle multiplicity fluctuations in Pb–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2021, 81, 1. | 3.9 | 2 |
| 8 | Inclusive χ/ψ production at midrapidity in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2021, 81, 1. | 3.9 | 6 |
| 9 | J/ψ production as a function of charged-particle multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 10 | Measurement of electrons from heavy-flavour hadron decays as a function of multiplicity in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |
| 11 | Multiplicity dependence of π , K, and p production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 38 |
| 12 | Azimuthal correlations of prompt D mesons with charged particles in pp and p–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 11 |
| 13 | Measurement of nuclear effects on $\Upsilon(2S)$ production in p-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 6 |
| 14 | J/ψ elliptic and triangular flow in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 14 |
| 15 | (Anti-)deuteron production in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 24 |
| 16 | Measurement of $\Lambda(1520)$ production in pp collisions at $\sqrt{s} = 7$ TeV and p–Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 10 |
| 17 | Coherent photoproduction of Υ_0 vector mesons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 11 |
| 18 | Non-linear flow modes of identified particles in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Studies of J/ψ production at forward rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 13 |
| 20 | Multiplicity dependence of (multi-)strange hadron production in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 49 |
| 21 | Underlying event properties in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 11 |
| 22 | Higher harmonic non-linear flow modes of charged hadrons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 15 |
| 23 | Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 15 |
| 24 | Production of Ω mesons in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 4 |
| 25 | Charged-particle pseudorapidity density at mid-rapidity in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 8.16$ TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 12 |
| 26 | 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 |
| 27 | Observation of the Directed Flow of Λ hyperons in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 942, 162283. | 7.8 | 61 |
| 28 | Charged-particle production as a function of multiplicity and transverse sphericity in pp collisions at $\sqrt{s} = 5.02$ and 13 TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 49 |
| 29 | 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 |
| 30 | Measurement of the production of charm jets tagged with D0 mesons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 11 |
| 31 | 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 |
| 32 | Measurement of $\langle N_{\mathrm{D}} \rangle$, $\langle N_{\mathrm{D}}^+ \rangle$, $\langle N_{\mathrm{D}}^{*+} \rangle$ and $\langle N_{\mathrm{D}}^+ \rangle_{\mathrm{s}}$ production in pp collisions at $\sqrt{s} = 5.02$ TeV with ALICE. European Physical Journal C, 2019, 79, 1. | 3.9 | 43 |
| 33 | Jet fragmentation transverse momentum measurements from di-hadron correlations in $\sqrt{s} = 7$ TeV pp and $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV Pb-Pb collisions. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 5 |
| 34 | Energy dependence of exclusive J/ψ photoproduction off protons in ultra-peripheral Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 34 |
| 35 | Relative particle yield fluctuations in Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 2.76$ TeV. European Physical Journal C, 2019, 79, 1. | 3.9 | 15 |
| 36 | Event-Shape Engineering for the D-meson elliptic flow in mid-central Pb-Pb collisions at $\sqrt{s_{\mathrm{NN}}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 16 |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Continuity and transverse momentum dependence of χ meson production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.9$ TeV. <i>Physical Review C</i> , 2019, 99, 1. | 2.9 | 47 |
| 38 | Study of J/ψ azimuthal anisotropy at forward rapidity in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 4.7 | 12 |
| 39 | Measurement of prompt D0, D+, D*+, and D^*_s production in p+Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 4.7 | 18 |
| 40 | Inclusive J/ψ production at mid-rapidity in pp collisions at $\sqrt{s} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2019, 2019, 1. | 4.7 | 14 |
| 41 | Measurement of the inclusive isolated photon production cross section in p+Pb collisions at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2019, 79, 1. | 3.9 | 8 |
| 42 | The STAR MAPS-based PiXeL detector. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 907, 60-80. | 1.6 | 72 |
| 43 | Measurements of low-pT electrons from semileptonic heavy-flavour hadron decays at mid-rapidity in pp and Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 7 |
| 44 | Measurement of D0, D+, D*+ and D+s production in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 54 |
| 45 | Medium modification of the shape of small-radius jets in central Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 20 |
| 46 | Transverse momentum spectra and nuclear modification factors of charged particles in pp, p-Pb and Pb-Pb collisions at the LHC. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 97 |
| 47 | Dielectron production in proton-proton collisions at $\sqrt{s} = 7$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 6 |
| 48 | 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 |
| 49 | Inclusive J/ψ production at forward and backward rapidity in p-Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 8 |
| 50 | Neutral pion and η meson production in p+Pb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1. | 3.9 | 31 |
| 51 | ϕ meson production at forward rapidity in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1. | 3.9 | 3 |
| 52 | Anisotropic flow of identified particles in Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 40 |
| 53 | Λ^0 production in pp collisions at $\sqrt{s} = 7$ TeV and in p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. <i>Journal of High Energy Physics</i> , 2018, 2018, 1. | 4.7 | 42 |
| 54 | Measurement of the inclusive J/ψ polarization at forward rapidity in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2018, 78, 1. | 3.9 | 13 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Prompt and non-prompt ψ production and nuclear modification at mid-rapidity in $\sqrt{s_{NN}} = 5.02$ TeV Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2018, 78, 1. | 3.9 | 16 |
| 56 | π^0 and η meson production in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2018, 78, 1. | 3.9 | 34 |
| 57 | 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 |
| 58 | Dijet imbalance measurements in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV and p+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301. | 7.8 | 20 |
| 59 | Charge-Dependent Directed Flow in Cu+Cu and Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301. | 7.8 | 19 |
| 60 | STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010. | 1.5 | 1 |
| 61 | Measurement of D-meson production at mid-rapidity in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2017, 77, 1. | 3.9 | 62 |
| 62 | Measurement of Azimuthal Anisotropy at Midrapidity in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 118, 012301. | 7.8 | 19 |
| 63 | Production of π^0 and η mesons up to high transverse momentum in pp collisions at 2.76 TeV. European Physical Journal C, 2017, 77, 339. | 3.9 | 28 |
| 64 | Energy dependence of forward-rapidity ψ and $\psi(2S)$ production in pp collisions at the LHC. European Physical Journal C, 2017, 77, 392. | 3.9 | 50 |
| 65 | Production of $\Sigma(1385)^{\pm}$. European Physical Journal C, 2017, 77, 389. | 3.9 | 36 |
| 66 | Determination of the event collision time with the ALICE detector at the LHC. European Physical Journal Plus, 2017, 132, 1. | 2.6 | 44 |
| 67 | 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 |
| 68 | 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 |
| 69 | Insight into particle production mechanisms via angular correlations of identified particles in pp collisions at $\sqrt{s_{NN}} = 7$ TeV. European Physical Journal C, 2017, 77, 1. | 3.9 | 31 |
| 70 | 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 |
| 71 | 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 |
| 72 | 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, 014907. | 2.9 | 50 |

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|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Centrality 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 |
| 74 | STAR Collaboration. Nuclear Physics A, 2016, 956, 971-974. | 1.5 | 1 |
| 75 | 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 |
| 76 | Centrality dependence of identified particle elliptic flow in relativistic heavy ion collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 93, . | 2.9 | 55 |
| 77 | Probing parton dynamics of QCD matter with Λ production. Physical Review C, 2016, 93, . | 2.9 | 43 |
| 78 | Λ production at low transverse momentum in p+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2016, 93, . | 2.9 | 13 |
| 79 | Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, . | 7.8 | 58 |
| 80 | Measurement of the Transverse Single-Spin Asymmetry in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, . | 7.8 | 73 |
| 81 | 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 |
| 82 | 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 |
| 83 | Λ production in U + U collisions at $\sqrt{s_{NN}} = 8.8$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, . | 2.9 | 21 |
| 84 | The STAR Heavy Flavor Tracker PXL detector readout electronics. Journal of Instrumentation, 2016, 11, C01034-C01034. | 1.2 | 2 |
| 85 | 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 |
| 86 | 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 |
| 87 | 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 | 66 |
| 88 | 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 |
| 89 | Observation of Transverse Spin-Dependent Azimuthal Correlations of Charged Pion Pairs in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, . | 7.8 | 25 |
| 90 | Azimuthal Anisotropy in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2016, 94, . | 7.8 | 85 |

| # | ARTICLE | IF | CITATIONS |
|-----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91 | Beam-energy-dependent two-pion interferometry and the freeze-out eccentricity of pions measured in heavy ion collisions at the STAR detector. <i>Physical Review C</i> , 2015, 92, . | 2.9 | 65 |
| 92 | Precision Measurement of the Longitudinal Double-Spin Asymmetry for Inclusive Jet Production in Polarized Proton Collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , 2015, 115, 092002. | 7.8 | 70 |
| 93 | The MAPS based PXL vertex detector for the STAR experiment. <i>Journal of Instrumentation</i> , 2015, 10, C03026-C03026. | 1.2 | 11 |
| 94 | Experience from the construction and operation of the STAR PXL detector. <i>Journal of Instrumentation</i> , 2015, 10, C04014-C04014. | 1.2 | 4 |
| 95 | A MAPS Based Micro-Vertex Detector for the STAR Experiment. <i>Physics Procedia</i> , 2015, 66, 514-519. | 1.2 | 4 |
| 96 | Long-range pseudorapidity dihadron correlations in d+ Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , 2015, 747, 265-271. | 4.1 | 68 |
| 97 | Isolation of flow and nonflow correlations by two- and four-particle cumulant measurements of azimuthal harmonics in Au+Au collisions. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 4.1 | 32 |
| 98 | Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 4.1 | 11 |
| 99 | Effect of event selection on jetlike correlation measurement in d+ Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 4.1 | 4 |
| 100 | Correlation Function in Au+Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 7.8 | 80 |
| 101 | Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review C</i> , 2014, 90, . | 2.9 | 24 |
| 102 | Observation of π - π correlations at low \sqrt{s} . <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 2.9 | 54 |
| 103 | Observation of π - π correlations at low \sqrt{s} . <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 2.9 | 54 |
| 104 | Nuclear Modifications in Au+Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 7.8 | 179 |
| 105 | Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au+Au collisions at RHIC. <i>Physical Review Letters</i> , 2014, 113, 052302. | 7.8 | 147 |
| 106 | Beam-Energy Dependence of the Directed Flow of Protons, Antiprotons, and Pions in Au+Au Collisions. <i>Physical Review Letters</i> , 2014, 112, 162301. | 7.8 | 186 |
| 107 | Jet-Hadron Correlations in Au+Au collisions at $\sqrt{s} = 200$ GeV. <i>Physical Review Letters</i> , 2014, 112, 122301. | 7.8 | 48 |
| 108 | STAR Collaboration. <i>Nuclear Physics A</i> , 2014, 932, 634-637. | 1.5 | 0 |

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|-----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | STAR Collaboration. Nuclear Physics A, 2014, 931, 1237-1240. | 1.5 | 0 |
| 110 | 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 |
| 111 | Readout Hardware and Firmware Architecture of the HFT PXL Detector at STAR. IEEE Transactions on Nuclear Science, 2013, 60, 3689-3693. | 2.0 | 6 |
| 112 | Readout hardware and firmware architecture of the HFT PXL detector at STAR. , 2012, , . | | 0 |
| 113 | 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 |
| 114 | STAR PIXEL detector mechanical design. Journal of Instrumentation, 2009, 4, P05015-P05015. | 1.2 | 3 |
| 115 | Sensor development and readout prototyping for the STAR Pixel detector. Journal of Instrumentation, 2009, 4, P03008-P03008. | 1.2 | 8 |
| 116 | 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 |
| 117 | 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 |
| 118 | CMOS monolithic pixel sensors research and development at LBNL. Pramana - Journal of Physics, 2007, 69, 963-967. | 1.8 | 6 |
| 119 | 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 |
| 120 | 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 |
| 121 | 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 |
| 122 | Λ Spectra in 1.6 A GeV/c Au-Au Collisions. Physical Review Letters, 2002, 88, 062301. | 7.8 | 67 |
| 123 | Light nuclei production in heavy-ion collisions at relativistic energies. Physical Review C, 2002, 65, . | 2.9 | 21 |
| 124 | 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 |
| 125 | Elliptic Flow in Au+Au Collisions at $\sqrt{s_{NN}}=130$ GeV. Physical Review Letters, 2001, 86, 402-407. | 7.8 | 610 |
| 126 | An update on the strangeness production measurements and Λ di-baryon search as performed by the AGS experiment 896. Journal of Physics G: Nuclear and Particle Physics, 2001, 27, 311-318. | 3.6 | 11 |

| # | ARTICLE | IF | CITATIONS |
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| 127 | Neutron production in coincidence with fragments from the [^{sup 4}]Ca+H reactions at E[_{sub lab}]=357 and 565 A MeV. AIP Conference Proceedings, 2000, , . | 0.4 | 0 |
| 128 | Neutron production in coincidence with fragments from the ⁴⁰ Ca+Hreaction atE _{lab} =357Aand565AMeV. Physical Review C, 1999, 59, 233-238. | 2.9 | 2 |
| 129 | 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 |
| 130 | Strange and multi-strange baryon measurement in Au + Au collisions at 11.6A(GeV/c) with the silicon drift detector array from the AGS experiment E896. Nuclear Physics A, 1999, 661, 489-492. | 1.5 | 2 |
| 131 | Light nuclei production in relativisticAu+nucleuscollisions. Physical Review C, 1998, 58, 1155-1164. | 2.9 | 24 |
| 132 | Neutron Production from the 40 Ca + H Reaction at E lab = 357 and 565A MeV. , 1998, , 145-154. | | 0 |
| 133 | Interactions of relativistic ³⁶ Ar and ⁴⁰ Ar nuclei in hydrogen: Isotopic production cross sections. Physical Review C, 1997, 56, 398-406. | 2.9 | 30 |
| 134 | Systematics of isotopic production cross sections from interactions of relativistic ⁴⁰ Ca in hydrogen. Physical Review C, 1997, 56, 1536-1543. | 2.9 | 28 |
| 135 | Beavis et al.Reply. Physical Review Letters, 1997, 78, 3419-3419. | 7.8 | 0 |
| 136 | Neutron production at 0° from the ⁴⁰ Ca+H reaction atE _{lab} =357Aand565AMeV. Physical Review C, 1997, 56, 1057-1063. | 2.9 | 7 |
| 137 | Antiproton distributions in Au+nucleus collisions. Physical Review C, 1997, 56, 1521-1535. | 2.9 | 14 |
| 138 | Relativistic Interaction of ²² Ne and ²⁶ Mg in Hydrogen and the Cosmicâ€œRay Implications. Astrophysical Journal, 1997, 479, 504-521. | 4.5 | 20 |
| 139 | Results from the STAR TPC system test. IEEE Transactions on Nuclear Science, 1997, 44, 592-597. | 2.0 | 19 |
| 140 | A heavy ion spectrometer system for the measurement of projectile fragmentation of relativistic heavy ions. Radiation Measurements, 1997, 27, 549-567. | 1.4 | 4 |
| 141 | Interactions of relativistic neon to nickel projectiles in hydrogen, elemental production cross sections. Physical Review C, 1996, 53, 347-357. | 2.9 | 47 |
| 142 | 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 |
| 143 | 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 |
| 144 | Centrality Dependence of Antiproton Production in Au+Au Collisions. Physical Review Letters, 1995, 75, 3633-3636. | 7.8 | 23 |

| # | ARTICLE | IF | CITATIONS |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
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