

Jie Zhao

List of Publications by Year in descending order

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167
papers

8,468
citations

34105

52
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86
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all docs

168
docs citations

168
times ranked

5483
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 1 | Measuring neutron skin by grazing isobaric collisions. Physical Review C, 2022, 105, . | 2.9 | 11 |
| 2 | NCQ scaling of $f_0(980)$ elliptic flow in 200 GeV Au+Au collisions by STAR and its constituent quark content. EPJ Web of Conferences, 2022, 259, 10013. | 0.3 | 0 |
| 3 | Two- and three-particle nonflow contributions to the chiral magnetic effect measurement by spectator and participant planes in relativistic heavy ion collisions. Physical Review C, 2022, 105, . | 2.9 | 12 |
| 4 | Search for CME in U+U and Au+Au collisions in STAR with different approaches of handling backgrounds. Nuclear Physics A, 2021, 1005, 121766. | 1.5 | 7 |
| 5 | Importance of non-flow background on the chiral magnetic wave search. Nuclear Physics A, 2021, 1005, 121770. | 1.5 | 6 |
| 6 | Deciphering the Rf^m correlator in search for the chiral magnetic effect in relativistic heavy ion collisions. Physical Review C, 2021, 103, . | 2.9 | 3 |
| 7 | Revisit the chiral magnetic effect expectation in isobaric collisions at the relativistic heavy ion collider. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136549. | 4.1 | 11 |
| 8 | Results on total and elastic cross sections in proton-proton collisions at $\sqrt{s} = 200$ GeV. https://arxiv.org/abs/2008.13566 | 4.1 | 6 |
| 9 | π^0 -meson two-dimensional angular correlations in hadron collisions. Physical Review C, 2020, 102, 034907. | 2.9 | 8 |
| 10 | Probing the Neutron Skin with Ultrarelativistic Isobaric Collisions. Physical Review Letters, 2020, 125, 222301. | 7.8 | 35 |
| 11 | Measurement of $\langle \hat{L} \rangle$ Baryon Production in Au+Au Collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2020, 102, 034907. | 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 $\sqrt{s} = 200$ GeV at RHIC. Physical Review D, 2020, 101, . | 4.7 | 11 |
| 14 | Back-to-back relative-excess observable to identify the chiral magnetic effect. Physical Review C, 2020, 101, . | 2.9 | 0 |
| 15 | Elliptic flow coalescence to identify the $f_0(980)$ content. Physical Review C, 2020, 101, . | 2.9 | 18 |
| 16 | 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, . | 2.9 | 18 |
| 17 | Complications in the interpretation of the charge-asymmetry-dependent $\langle \hat{L} \rangle$ flow for the chiral magnetic wave. Physical Review C, 2020, 101, . | 2.9 | 6 |
| 18 | hijing can describe the anisotropy-scaled charge-dependent correlations at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2020, 101, . | 2.9 | 11 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Recent Results on Light Flavor from STAR. Springer Proceedings in Physics, 2020, , 67-74. | 0.2 | 0 |
| 20 | Collision-energy dependence of second-order off-diagonal and diagonal cumulants of net-charge, net-proton, and net-kaon multiplicity distributions in Au \times Au collisions. Physical Review C, 2019, 100, 044907. | 2.9 | 31 |
| 21 | Measurements of the transverse-momentum-dependent cross sections of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production at mid-rapidity in $\langle \mathbf{p}_T \rangle$ collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044908. | 7.8 | 61 |
| 22 | A novel invariant mass method to isolate resonance backgrounds from the chiral magnetic effect. Nuclear Physics A, 2019, 982, 563-566. | 4.7 | 10 |
| 23 | Measurements of the chiral magnetic effect with background isolation in 200 GeV Au+Au collisions at STAR. Nuclear Physics A, 2019, 982, 535-538. | 1.5 | 6 |
| 24 | Re-examining the premise of isobaric collisions and a novel method to measure the chiral magnetic effect. Nuclear Physics A, 2019, 982, 531-534. | 1.5 | 2 |
| 25 | Polarization of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production at mid-rapidity in $\langle \mathbf{p}_T \rangle$ collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044909. | 7.8 | 131 |
| 26 | Measurement of inclusive $\langle \mathbf{p}_T \rangle$ suppression in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044910. | 4.1 | 22 |
| 27 | Observation of Excess $\langle \mathbf{p}_T \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044911. | 7.8 | 22 |
| 28 | Yield at Very Low Transverse Momenta in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044912. | 2.9 | 53 |
| 29 | 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 |
| 30 | Experimental searches for the chiral magnetic effect in heavy-ion collisions. Progress in Particle and Nuclear Physics, 2019, 107, 200-236. | 14.4 | 81 |
| 31 | The probability to correlation function in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 100, 044913. | 4.1 | 56 |
| 32 | Collision-energy dependence of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production at mid-rapidity in Au + Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2019, 99, . | 2.9 | 19 |
| 33 | Azimuthal Harmonics in Small and Large Collision Systems at RHIC Top Energies. Physical Review Letters, 2019, 122, 172301. | 7.8 | 36 |
| 34 | Measurement of the longitudinal spin asymmetries for weak boson production in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2019, 99, . | 4.7 | 28 |
| 35 | Isolating the chiral magnetic effect from backgrounds by pair invariant mass. European Physical Journal C, 2019, 79, 1. | 3.9 | 32 |
| 36 | Centrality and transverse momentum dependence of $\langle \mathbf{p}_T \rangle$ and $\langle \mathbf{p}_T^2 \rangle$ production at mid-rapidity in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ and 2.41 TeV. Physical Review C, 2019, 99, . | 2.9 | 47 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | STAR Collaboration. Nuclear Physics A, 2019, 982, 1063-1066. | 1.5 | 1 |
| 38 | Longitudinal double-spin asymmetry for inclusive jet and dijet production in pp collisions at $\sqrt{s} = 510$ GeV. Physical Review D, 2019, 100. | 4.7 | 30 |
| 39 | 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 |
| 40 | 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, 2018, 97. | 4.7 | 27 |
| 41 | Improved measurement of the longitudinal spin transfer to Λ hyperons in polarized proton-proton collisions. Nuclear Science and Techniques/Hewuli, 2018, 29, 1. | 7.8 | 66 |
| 42 | Chiral Magnetic Effect Search in $p(d)+Au$, Au+Au Collisions at RHIC. International Journal of Modern Physics Conference Series, 2018, 46, 1860010. | 0.7 | 4 |
| 43 | Search for the chiral magnetic effect in heavy ion collisions. Nuclear Science and Techniques/Hewuli, 2018, 29, 1. | 4.7 | 7 |
| 44 | Search for the chiral magnetic effect in heavy ion collisions. Nuclear Science and Techniques/Hewuli, 2018, 29, 1. | 3.4 | 29 |
| 45 | Chiral magnetic effect search in $p+Au$, $d+Au$ and Au+Au collisions at RHIC. EPJ Web of Conferences, 2018, 172, 01005. | 0.3 | 9 |
| 46 | Multiphase transport model predictions of isobaric collisions with nuclear structure from density functional theory. Physical Review C, 2018, 98, . | 2.9 | 23 |
| 47 | Transverse spin transfer to Λ hyperons in polarized proton-proton collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93. | 4.7 | 12 |
| 48 | Search for the chiral magnetic effect in relativistic heavy-ion collisions. International Journal of Modern Physics A, 2018, 33, 1830010. | 1.5 | 17 |
| 49 | Pair Production in $\sqrt{s} = 200$ GeV pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93. | 4.1 | 25 |
| 50 | J/ψ production cross section and its dependence on charged-particle multiplicity in $p+e$ collisions at $\sqrt{s} = 200$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 786, 87-93. | 4.1 | 25 |
| 51 | 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 |
| 52 | Longitudinal double-spin asymmetries for Λ 0s in the forward direction for 510 GeV polarized pp collisions. Physical Review D, 2018, 98, . | 4.7 | 9 |
| 53 | Responses of the chiral-magnetic-effect sensitive sine observable to resonance backgrounds in heavy-ion collisions. Physical Review C, 2018, 98, . | 2.9 | 12 |
| 54 | Longitudinal double-spin asymmetries for dijet production at intermediate pseudorapidity in polarized pp collisions at $\sqrt{s} = 200$ GeV. Physical Review D, 2018, 98, . | 4.7 | 13 |

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|----|--|-----|-----------|
| 55 | 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 |
| 56 | Measurement of the $\langle H \rangle$ lifetime in Au+Au collisions at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 97, . | 2.9 | 52 |
| 57 | 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 |
| 58 | Global polarization of $\langle \lambda \rangle$ hyperons in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2018, 98, . | 2.9 | 205 |
| 59 | Importance of Isobar Density Distributions on the Chiral Magnetic Effect Search. Physical Review Letters, 2018, 121, 022301. | 7.8 | 62 |
| 60 | Beam Energy Dependence of Jet-Quenching Effects 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, 2018, 121, 032301. | 7.8 | 33 |
| 61 | Transverse spin-dependent azimuthal correlations of charged pion pairs measured in $p+^3\text{He}+\text{p}$ collisions at $\sqrt{s_{NN}} = 500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339. | 4.1 | 19 |
| 62 | Varying the chiral magnetic effect relative to flow in a single nucleus-nucleus collision. Chinese Physics C, 2018, 42, 084103. | 3.7 | 44 |
| 63 | 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 |
| 64 | Azimuthal anisotropy in Cu+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. Physical Review C, 2018, 98, . | 4.1 | 63 |
| 65 | Charge dependent particle correlations motivated by chiral magnetic effect and chiral vortical effect. EPJ Web of Conferences, 2017, 141, 01010. | 0.3 | 6 |
| 66 | Direct virtual photon production in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 451-458. | 4.1 | 37 |
| 67 | 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 |
| 68 | Challenges in flow background removal in search for the chiral magnetic effect. Physical Review C, 2017, 95, . | 2.9 | 34 |
| 69 | Longitudinal imbalance measurements in $p+^3\text{He}+\text{p}$ collisions at $\sqrt{s_{NN}} = 500$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339. | 7.8 | 20 |
| 70 | Measurements of jet quenching with semi-inclusive hadron+jet distributions in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2017, 96, . | 2.9 | 44 |
| 71 | Energy dependence of $\langle \lambda \rangle$ production in Au + Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 332-339. | 4.1 | 19 |
| 72 | Charge-Dependent Directed Flow in $\text{Cu}+\text{Au}$ Collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review Letters, 2017, 118, 012301. | 7.8 | 19 |

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|----|--|------|-----------|
| 73 | Global Λ hyperon polarization in nuclear collisions. Nature, 2017, 548, 62-65. | 27.8 | 585 |
| 74 | Coherent diffractive photoproduction of η mesons on gold nuclei at 200 GeV/nucleon-pair at the Relativistic Heavy Ion Collider. Physical Review C, 2017, 96, . | 2.9 | 32 |
| 75 | 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 |
| 76 | STAR Collaboration. Nuclear Physics A, 2017, 967, 1007-1010. | 1.5 | 1 |
| 77 | 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 |
| 78 | Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2017, 95, . | 2.9 | 18 |
| 78 | Azimuthal Anisotropy at Midrapidity in Au+Au Collisions 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 | 3 |
| 79 | Measurement of elliptic flow of light nuclei at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2017, 95, . | 2.9 | 18 |
| 79 | Near-side azimuthal and pseudorapidity correlations using neutral strange baryons and mesons in Au+Au collisions 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 | 3 |
| 80 | STAR Collaboration. Nuclear Physics A, 2016, 956, 971-974. | 1.5 | 1 |
| 81 | STAR Collaboration. Nuclear Physics A, 2016, 956, 971-974. | 1.5 | 1 |
| 82 | 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 |
| 83 | 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 |
| 84 | Probing parton dynamics of QCD matter with Λ production. Physical Review C, 2016, 93, . | 2.9 | 43 |
| 85 | J/ψ production at low transverse momentum in p+pp and Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, . | 2.9 | 13 |
| 86 | Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, . | 7.8 | 58 |
| 87 | Centrality and Transverse Momentum Dependence of Elliptic Flow of Multistrange Hadrons and Meson in Au+Au Collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review C, 2016, 93, . | 7.8 | 58 |
| 87 | 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 |
| 88 | 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 |
| 89 | 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 |
| 90 | Λ production in U + U collisions at $\sqrt{s_{NN}}=200$ GeV measured with the STAR experiment. Physical Review C, 2016, 94, . | 2.9 | 21 |

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|-----|---|------|-----------|
| 91 | 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 |
| 92 | Energy dependence of K^0_S , π^0 , and K^0_L fluctuations in Au+Au collisions from $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 92, . | 2.9 | 17 |
| 93 | 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 |
| 94 | 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 |
| 95 | 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 |
| 96 | Azimuthal Anisotropy in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 114, 252302. | 7.8 | 85 |
| 97 | 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 |
| 98 | 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 |
| 99 | Long-range pseudorapidity dihadron correlations in d+ Au collisions at $\sqrt{s_{NN}}=200$ GeV. Physical Review Letters, 2015, 115, 092002. | 7.8 | 68 |
| 100 | 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, 115, 092002. | 4.1 | 32 |
| 101 | Nuclear modification factor R_{pA} for inclusive production of π^0 and K^0_S in Au+Au collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 743, 333-339. | 4.1 | 11 |
| 102 | Charged-to-neutral correlation at forward rapidity in Au + Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2015, 91, . | 2.9 | 4 |
| 103 | Correlation Function in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 114, 252302. | 7.8 | 80 |
| 104 | Effect of event selection on jetlike correlation measurement 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, 743, 333-339. | 4.1 | 24 |
| 105 | Measurement of interaction between antiprotons. Nature, 2015, 527, 345-348. | 27.8 | 71 |
| 106 | Dielectron azimuthal anisotropy at mid-rapidity in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review C, 2014, 90, . | 2.9 | 17 |
| 107 | polarization in Au+Au collisions at $\sqrt{s_{NN}}=7.7$ to 200 GeV. Physical Review Letters, 2015, 114, 252302. | 4.1 | 10 |
| 108 | Transverse spin-odd 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. | 2.9 | 54 |

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|-----|--|-----|-----------|
| 109 | Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at RHIC. Physical Review Letters, 2014, 112, 092301. $\langle \langle \Delta N \rangle \rangle = \langle \langle \Delta N^2 \rangle \rangle - \langle \Delta N \rangle^2$ $\langle \langle \Delta N^2 \rangle \rangle = \langle \langle \Delta N \rangle^2 \rangle + \langle \langle \Delta N^2 \rangle \rangle - \langle \Delta N \rangle^2$ $\langle \langle \Delta N^2 \rangle \rangle = \langle \langle \Delta N \rangle^2 \rangle + \langle \langle \Delta N^2 \rangle \rangle - \langle \Delta N \rangle^2$ | 7.8 | 179 |
| 110 | Beam-Energy Dependence of Charge Separation along the Magnetic Field in Au + Au collisions at RHIC. Physical Review Letters, 2014, 113, 052302. | 2.9 | 21 |
| 111 | Energy Dependence of Moments of Net-Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2014, 112, 032302. | 7.8 | 147 |
| 112 | Measurement of charge multiplicity asymmetry correlations in high-energy nucleus-nucleus collisions at RHIC. Physical Review C, 2014, 89, . | 2.9 | 73 |
| 114 | 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 |
| 115 | Beam Energy Dependence of Moments of the Net-Charge Multiplicity Distributions in Au+Au Collisions at RHIC. Physical Review Letters, 2014, 113, 092301. | 7.8 | 245 |
| 116 | Jet-Hadron Correlations in Au+Au Collisions. Physical Review Letters, 2014, 112, 122301. | 7.8 | 48 |
| 117 | Neutral pion cross section and spin asymmetries at intermediate pseudorapidity in polarized proton collisions at RHIC. Physical Review D, 2014, 89, . | 4.7 | 35 |
| 118 | STAR Collaboration. Nuclear Physics A, 2014, 932, 634-637. | 1.5 | 0 |
| 119 | STAR Collaboration. Nuclear Physics A, 2014, 931, 1237-1240. | 1.5 | 0 |
| 120 | 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 |
| 121 | Suppression of γ production in Au+Au collisions. Physical Review Letters, 2014, 112, 122301. | 4.1 | 87 |
| 122 | Single spin asymmetry in proton elastic scattering at RHIC. Physical Review Letters, 2014, 112, 122301. | 4.1 | 41 |
| 123 | Production of Λ baryons in Au+Au collisions at RHIC. Physical Review Letters, 2013, 111, 262301. | 4.1 | 80 |
| 124 | Dielectron production from Au+Au collisions at STAR. Nuclear Physics A, 2013, 910-911, 383-386. | 1.5 | 0 |
| 125 | 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, . | 2.9 | 20 |
| 126 | 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 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 127 | Elliptic flow of identified hadrons in Au+Au collisions at 200 GeV. Physical Review C, 2013, 88, . | 2.9 | 106 |
| 128 | Freeze-out dynamics via charged kaon femtoscopy in central Au+Au collisions. Physical Review C, 2013, 88, . | 2.9 | 124 |
| 129 | System-size dependence of transverse momentum correlations at 200 GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2013, 87, . | 2.9 | 9 |
| 130 | Azimuthal Anisotropy in Au+Au collisions. Physical Review C, 2012, 85, . | 7.8 | 38 |
| 131 | Energy and system-size dependence of two- and four-particle correlations in heavy-ion collisions. Physical Review C, 2012, 85, . | 2.9 | 40 |
| 132 | Longitudinal and transverse spin asymmetries for inclusive jet production in polarized Au+Au collisions. Physical Review C, 2012, 85, . | 4.7 | 70 |
| 133 | Directed flow in Au+Au collisions at mid-rapidity. Physical Review C, 2012, 86, . | 4.7 | 66 |
| 134 | Di-electron spectrum at mid-rapidity in Au+Au collisions. Physical Review C, 2012, 86, . | 2.9 | 25 |
| 135 | Inclusive charged hadron elliptic flow in Au+Au collisions at 200 GeV. Physical Review C, 2012, 86, . | 2.9 | 127 |
| 136 | Directed and elliptic flow of charged particles in Cu+Cu collisions. Physical Review C, 2012, 86, . | 7.8 | 80 |
| 137 | Directed and elliptic flow of charged particles in Cu+Cu collisions at 200 GeV. Physical Review C, 2012, 86, . | 2.9 | 21 |
| 138 | Simultaneous centrality evolution of two-particle angular correlations from Au+Au collisions. Physical Review C, 2012, 86, . | 2.9 | 45 |
| 139 | Directed Flow of Identified Particles in Au+Au Collisions. Physical Review Letters, 2012, 108, 072301. | 7.8 | 34 |
| 140 | System size and energy dependence of near-side dihadron correlations. Physical Review C, 2012, 85, . | 2.9 | 28 |
| 141 | Strangeness Enhancement in Cu-Cu and Au-Au Collisions at 200 GeV. Physical Review Letters, 2012, 108, 072301. | 7.8 | 91 |
| 142 | Directed and elliptic flow of charged particles in Cu+Cu collisions at 200 GeV. Physical Review C, 2012, 86, . | 4.7 | 97 |
| 143 | Measurement of the W and Z production cross sections at mid-rapidity in proton-proton collisions at 500 GeV. Physical Review D, 2012, 85, . | 4.7 | 19 |

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|-----|--|-----|-----------|
| 145 | <p>photoproduction in AuAu collisions at high energy heavy-ion collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 20 |
| 146 | <p>nonphotonic electron production in AuAu collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 4.7 | 45 |
| 147 | <p>Evolution of the differential transverse momentum correlation function with centrality in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 4.1 | 29 |
| 148 | <p>Cu and Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 60 |
| 149 | <p>Strange and multistrange particle production in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 86 |
| 150 | <p>Measurement of the Parity-Violating Longitudinal Single-Spin Asymmetry for Boson Production in Polarized Proton-Proton Collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 7.8 | 46 |
| 151 | <p>Production of W and Z bosons in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 37 |
| 152 | <p>Scaling properties at freeze-out in relativistic heavy-ion collisions. Physical Review C, 2011, 83, .</p> | 2.9 | 28 |
| 153 | <p>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, .</p> | 2.9 | 13 |
| 154 | <p>Dielectron continuum production from $\sqrt{s_{NN}} = 200$ GeV p+p and Au+Au collisions at STAR. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124134.</p> | 3.6 | 26 |
| 155 | <p>Observation of Λ and $\bar{\Lambda}$ production in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 4.1 | 20 |
| 156 | <p>Observation of Λ and $\bar{\Lambda}$ production in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 45 |
| 157 | <p>Spectra of identified high-p_T particles in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 2.9 | 17 |
| 158 | <p>Nonphotonic Electron Production in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022301.</p> | 7.8 | 68 |
| 159 | <p>Three-Particle Coincidence of the Long Range Pseudorapidity Correlation in High Energy Nucleus-Nucleus Collisions. Physical Review Letters, 2010, 105, 022301.</p> | 7.8 | 80 |
| 160 | <p>Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.</p> | 7.8 | 278 |
| 161 | <p>Azimuthal di-hadron correlations in Au+Au collisions at RHIC. Physical Review Letters, 2010, 105, 022302.</p> | 2.9 | 61 |
| 162 | <p>Higher Moments of Net Proton Multiplicity Distributions at RHIC. Physical Review Letters, 2010, 105, 022302.</p> | | |

| # | ARTICLE | IF | CITATIONS |
|-----|--|------|-----------|
| 163 | <p>Charming and strange hadron elliptic flow in $\sqrt{s_{NN}} = 2.76$ TeV Cu-Cu collisions at RHIC. <i>Physical Review Letters</i>, 2010, 105, 252301.</p> <p>Inclusive $\langle \cos(2\phi) \rangle$ and $\langle \cos(4\phi) \rangle$ for π^0 and K^0_S production in $\sqrt{s_{NN}} = 2.76$ TeV Cu-Cu collisions at RHIC. <i>Physical Review Letters</i>, 2010, 105, 252302.</p> | 2.9 | 55 |
| 164 | <p>$\sqrt{s_{NN}}$ cross section in p+p collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review D</i>, 2010, 82, 014004.</p> | 4.7 | 20 |
| 165 | <p>Observation of an Antimatter Hypernucleus. <i>Science</i>, 2010, 328, 58-62.</p> | 12.6 | 249 |
| 166 | <p>Longitudinal double-spin asymmetry and cross section for inclusive neutral pion production at midrapidity in polarized proton collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review D</i>, 2009, 80, 014004.</p> | 2.9 | 32 |
| 167 | <p>Longitudinal double-spin asymmetry and cross section for inclusive neutral pion production at midrapidity in polarized proton collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review D</i>, 2009, 80, 014004.</p> | 4.7 | 37 |