

Song Zhang

List of Publications by Year in descending order

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394421

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times ranked

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#	ARTICLE	IF	CITATIONS
1	System scan of the multiplicity correlation between forward and backward rapidities in relativistic heavy-ion collisions using a multi-phase transport model *. Chinese Physics C, 2022, 46, 044101.	3.7	3
2	Azimuthal-sensitive three-dimensional HBT radius in Au+Au collisions at $\sqrt{s_{beam}} = 1.23$ GeV by the IQMD model. European Physical Journal A, 2022, 58, .	2.5	5
3	Production of Ω and Ω in ultra-relativistic heavy-ion collisions. European Physical Journal C, 2022, 82, 1.	3.9	4
4	System dependence of away-side broadening and $\hat{\mu}$ -clustering light nuclei structure effect in dihadron azimuthal correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 831, 137198.	4.1	11
5	Impact of $\hat{\mu}$ on the background in the chiral magnetic effect in $\langle \mathcal{M} \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2022, 106, .	2.9	4
6	System size dependence of baryon-strangeness correlation in relativistic heavy ion collisions from a multiphase transport model. Physical Review C, 2021, 103, .	2.9	5
7	Thermal photons as a sensitive probe of α -cluster in C + Au collisions at the BNL Relativistic Heavy Ion Collider. European Physical Journal A, 2021, 57, 1.	2.5	10
8	Methods for a blind analysis of isobar data collected by the STAR collaboration. Nuclear Science and Techniques/Hewuli, 2021, 32, 1.	3.4	25
9	Interpreting the charge-dependent flow and constraining the chiral magnetic wave with event shape engineering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136580.	4.1	10
10	Machine-learning-based identification for initial clustering structure in relativistic heavy-ion collisions. Physical Review C, 2021, 104, .	2.9	14
11	System evolution of forward-backward multiplicity correlations in a multiphase transport model. Physical Review C, 2021, 104, .	2.9	8
12	Collision centrality and system size dependences of light nuclei production via dynamical coalescence mechanism. European Physical Journal A, 2021, 57, 1.	2.5	6
13	$\hat{\mu}$ -dibaryon production with hadron interaction potential from the lattice QCD in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 811, 135867.	4.1	10
14	Anisotropy fluctuation and correlation in central $\langle \mathcal{M} \rangle$ -clustered $\langle \mathcal{M} \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physical Review C, 2020, 102, 034907.	2.9	12
15	Nuclear system size scan for freeze-out properties in relativistic heavy-ion collisions by using a multiphase transport model. Physical Review C, 2020, 101, .	2.9	4
16	Signatures of $\hat{\mu}$ -clustering in $\langle \mathcal{M} \rangle$ in Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135366.	2.9	21
17	System size scan for freeze-out properties in relativistic heavy-ion collisions by using a multiphase transport model. Physical Review C, 2020, 102, 034907.	2.9	4
18	Collision system size scan of collective flows in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 804, 135366.	4.1	13

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19	Clustering structure effect on Hanbury-Brown-Twiss correlation in $^{12}\text{C} + ^{197}\text{Au}$ collisions at 200 GeV. European Physical Journal A, 2020, 56, 1.	2.5	18
20	Vorticity in low-energy heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	46
21	Constraining the Chiral Magnetic Effect with charge-dependent azimuthal correlations in Pb-Pb collisions at $\sqrt{s_{\text{NN}}} = 2.76$ and 5.02 TeV. Journal of High Energy Physics, 2020, 2020, 1.	4.7	15
22	Explore the QCD phase transition phenomena from a multiphase transport model. Science China: Physics, Mechanics and Astronomy, 2019, 62, 1.	5.1	19
23	Electromagnetic field from asymmetric to symmetric heavy-ion collisions at 200 GeV. Physical Review C, 2019, 99, .	2.9	14
24	Two-particle angular correlations in heavy ion collisions from a multiphase transport model. Physical Review C, 2019, 99, .	2.9	9
25	Charge asymmetry dependence of flow and a novel correlator to detect the chiral magnetic wave in a multiphase transport model. Physical Review C, 2019, 100, .	2.9	9
26	Charm hadron azimuthal angular correlations in Au + Au collisions at $\sqrt{s_{\text{NN}}} = 200$ GeV from parton scatterings. Nuclear Science and Techniques/Hewuli, 2019, 30, 1.	3.4	28
27	Laser test of the prototype of CEE time projection chamber. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	15
28	$\hat{\Phi}$ and $\hat{\Gamma}$ production in Au+Au collisions at $\sqrt{s_{\text{NN}}} = 11.5$ s NN = 11.5. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	24
29	Collective flows of α $\hat{\Gamma}$ -clustering $^{12}\text{C} + ^{197}\text{Au}$ by using different flow analysis methods. European Physical Journal A, 2018, 54, 1.	2.5	17
30	Influence of $\hat{\Gamma}$ -clustering nuclear structure on the rotating collision system. Nuclear Science and Techniques/Hewuli, 2018, 29, 1.	3.4	17
31	Two-particle angular correlations in and $^{12}\text{C} + ^{197}\text{Au}$ collisions at energies available at the CERN Large Hadron Collider from a multiphase transport model. Physical Review C, 2019, 99, .	2.9	11
32	Production of light nuclei and hypernuclei at High Intensity Accelerator Facility energy region. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	22
33	Conceptual design of the HIRFL-CSR external-target experiment. Science China: Physics, Mechanics and Astronomy, 2017, 60, 1.	5.1	59
34	Nuclear cluster structure effect on elliptic and triangular flows in heavy-ion collisions. Physical Review C, 2017, 95, .	2.9	38
35	$\hat{\Phi}$ and $\hat{\Gamma}$ in Au + Au collisions at and 11.5 GeV from a multiphase transport model. Chinese Physics C, 2017, 41, 084101.	3.7	9
36	Beam Energy Dependence of Hanbury-Brown-Twiss Radii from a Blast-Wave Model. Advances in High Energy Physics, 2016, 2016, 1-10.	1.1	10

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37	Scaling of nuclear modification factors for hadrons and light nuclei. European Physical Journal A, 2016, 52, 1.	2.5	6
38	Low-mass vector meson production at forward rapidity in p+p and d+Au collisions at $\sqrt{s_{NN}} = 200$ GeV from a multiphase transport model. Nuclear Science and Techniques/Hewuli, 2016, 27, 1.	3.4	7
39	$\bar{\Lambda}$ -meson production at forward/backward rapidity in high-energy nuclear collisions from a multiphase transport model. Physical Review C, 2016, 93, .	2.9	5
40	Production of multistrange hadrons, light nuclei and hypertriton in central Au+Au collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 754, 6-10.	4.1	31
41	Production of Kaon and $\bar{\Lambda}$ in Nucleus-Nucleus Collisions at Ultrarelativistic Energy from a Blast-Wave Model. Advances in High Energy Physics, 2015, 2015, 1-6.	1.1	12
42	Simulation of energy scan of pion interferometry in central Au+Au collisions at relativistic energies. Chinese Physics C, 2014, 38, 014102.	3.7	4
43	Production and ratio of $\bar{\Lambda}$, K, p, and \bar{p} in Pb + Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2014, 89, .	2.9	7
44	Direct, Nonoxidative Conversion of Methane to Ethylene, Aromatics, and Hydrogen. Science, 2014, 344, 616-619.	12.6	1,113
45	Tuning the redox activity of encapsulated metal clusters via the metallic and semiconducting character of carbon nanotubes. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 14861-14866.	7.1	58
46	Extraction of dihadron-jet correlations with rigorous flow-background subtraction in a multiphase transport model. Physical Review C, 2013, 87, .	2.9	2
47	PHENOMENOLOGICAL STUDY OF LIGHT (ANTI)NUCLEI, (ANTI)HYPERTRITON AND DI-LAMBDA PRODUCTION AT RHIC. , 2013, , .		0
48	Production of light (anti)nuclei, (anti)hypertriton, and di- $\bar{\Lambda}$ in central Au+Au collisions at energies available at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2012, 85, .	2.9	33
49	System-size scan of dihadron azimuthal correlations in ultra-relativistic heavy ion collisions. Nuclear Physics A, 2011, 860, 76-83.	1.5	3
50	Forward-backward elliptic anisotropy correlations in parton cascades. Physical Review C, 2011, 83, .	2.9	2
51	Initial fluctuation effect on harmonic flows in high-energy heavy-ion collisions. Physical Review C, 2011, 84, .	2.9	45
52	Searching for onset of deconfinement via hypernuclei and baryon-strangeness correlations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 684, 224-227.	4.1	71
53	HYPERNUCLEUS PRODUCTION AT RHIC AND HIRFL-CSR ENERGY. International Journal of Modern Physics E, 2010, 19, 1829-1836.	1.0	1
54	Observation of an Antimatter Hypernucleus. Science, 2010, 328, 58-62.	12.6	249

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55	Reaction plane angle dependence of dihadron azimuthal correlations from a multiphase transport model calculation. <i>Physical Review C</i> , 2009, 80, .	2.9	11
56	Breaking of the number-of-constituent-quark scaling for identified-particle elliptic flow as a signal of phase change in low-energy data taken at the BNL Relativistic Heavy Ion Collider (RHIC). <i>Physical Review C</i> , 2009, 79, .	2.9	25
57	Longitudinal broadening of near-side jets due to parton cascade. <i>European Physical Journal C</i> , 2008, 57, 589-593.	3.9	9
58	Baryon-strangeness correlations in parton/hadron transport model for Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 044070.	3.6	7
59	CENTRALITY, TRANSVERSE MOMENTUM AND PSEUDORAPIDITY DEPENDENCES OF "MACH-LIKE" CORRELATIONS IN A PARTONIC TRANSPORT MODEL. <i>International Journal of Modern Physics E</i> , 2007, 16, 2029-2034.	1.0	0
60	Transverse momentum and pseudorapidity dependences of Mach-like correlations for central Au+Au collisions at $\sqrt{s_{NN}} = 200$ GeV. <i>Physical Review C</i> , 2007, 76, .	2.9	19
61	Azimuthal correlations of hadrons in a partonic/hadronic transport model. <i>AIP Conference Proceedings</i> , 2006, , .	0.4	0
62	Di-hadron azimuthal correlation and Mach-like cone structure in a parton/hadron transport model. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2006, 641, 362-367.	4.1	64
63	Pion correlations for 1.2AGeV lanthanum on lanthanum. <i>Physical Review C</i> , 1993, 47, 779-787.	2.9	10