

Huichao Song

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

3,840
citations

172457

29
h-index

206112

48
g-index

52
all docs

52
docs citations

52
times ranked

3192
citing authors

#	ARTICLE	IF	CITATIONS
1	Number of constituent quark scaling of elliptic flows in high multiplicity p-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Nuclear Physics A, 2021, 1005, 121876.	1.5	2
2	One fluid might not rule them all. Nuclear Physics A, 2021, 1005, 121908.	1.5	2
3	Hydrodynamic study of hyperon spin polarization in relativistic heavy ion collisions. Physical Review C, 2021, 103, .	2.9	48
4	Applications of deep learning to relativistic hydrodynamics. Physical Review Research, 2021, 3, .	3.6	10
5	Investigations on mixed harmonic cumulants in heavy-ion collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2021, 104, .	2.9	5
6	Shear-Induced Spin Polarization in Heavy-Ion Collisions. Physical Review Letters, 2021, 127, 142301.	7.8	83
7	Dynamically Exploring the QCD Matter at Finite Temperatures and Densities: A Short Review. Chinese Physics Letters, 2021, 38, 081201.	3.3	18
8	Application of radial basis functions neutral networks in spectral functions. Physical Review D, 2021, 104, .	4.7	13
9	Probing the Partonic Degrees of Freedom in High-Multiplicity p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2020, 125, 072301.	7.8	34
10	Robustness of principal component analysis of harmonic flow in heavy ion collisions. Physical Review C, 2020, 102, .	2.9	4
11	Beam-energy dependence of the production of light nuclei in Au + Au collisions. Physical Review C, 2020, 102, .	2.9	26
12	Searching for small droplets of hydrodynamic fluid in proton-proton collisions at the LHC. European Physical Journal C, 2020, 80, 1.	3.9	14
13	Universal scaling of the \vec{J}_f field and net-protons from Langevin dynamics of model A. Physical Review C, 2019, 99, .	2.9	12
14	Applications of deep learning to relativistic hydrodynamics. Nuclear Physics A, 2019, 982, 927-930.	1.5	10
15	Principal component analysis of collective flow in relativistic heavy-ion collisions. European Physical Journal C, 2019, 79, 1.	3.9	21
16	Noncritical fluctuations of (net) charges and (net) protons from the iebv-vishnu hybrid model. Physical Review C, 2018, 97, .	2.9	15
17	Spectra and flow of light nuclei in relativistic heavy ion collisions at energies available at the BNL Relativistic Heavy Ion Collider and at the CERN Large Hadron Collider. Physical Review C, 2018, 98, .	2.9	34
18	Hydrodynamic collectivity in proton-proton collisions at 13 TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 495-500.	4.1	52

#	ARTICLE	IF	CITATIONS
19	Correlations of flow harmonics in $\sqrt{s_{NN}}=2.76$ TeV Pb-Pb collisions. Physical Review C, 2017, 95, .	2.9	68
20	Dynamical fluctuations in critical regime and across the 1st order phase transition. Nuclear Physics A, 2017, 967, 441-444.	1.5	13
21	Collective flow and hydrodynamics in large and small systems at the LHC. Nuclear Science and Techniques/Hewuli, 2017, 28, 1.	3.4	92
22	Collective flow in 2.76 and 5.02 A TeV Pb+Pb collisions. European Physical Journal C, 2017, 77, 1.	3.9	72
23	Investigating the correlations of flow harmonics in 2.76A TeV Pb+Pb collisions. Journal of Physics: Conference Series, 2017, 779, 012062.	0.4	0
24	Is hadronic flow produced in Pb+Pb collisions at the Large Hadron Collider?. EPJ Web of Conferences, 2016, 117, 03018.	0.3	0
25	Spectra and elliptic flow for \hat{p}_T , \hat{p}_z , and $\hat{p}_T \otimes \hat{p}_z$ in 200 A GeV Au+Au collisions. Journal of Physics: Conference Series, 2016, 668, 012080.	0.4	2
26	Multiplicity fluctuations of net protons on the hydrodynamic freeze-out surface. Nuclear Physics A, 2016, 956, 360-364.	1.5	14
27	Correlated fluctuations near the QCD critical point. Physical Review C, 2016, 94, .	2.9	39
28	High-order flow harmonics of identified hadrons in $\sqrt{s_{NN}}=2.76$ TeV Pb + Pb collisions. Physical Review C, 2016, 93, .	2.9	34
29	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
30	The iEBE-VISHNU code package for relativistic heavy-ion collisions. Computer Physics Communications, 2016, 199, 61-85.	7.5	302
31	Investigation of possible hadronic flow in $\sqrt{s_{NN}}=5.02$ TeV Pb+Pb collisions. Physical Review C, 2015, 91, .	2.9	32
32	Hydrodynamic modelling for relativistic heavy-ion collisions at RHIC and LHC. Pramana - Journal of Physics, 2015, 84, 703-715.	1.8	23
33	Hybrid model approach for strange and multistrange hadrons in $\sqrt{s_{NN}}=2.76$ A TeV Pb+Pb collisions. Physical Review C, 2015, 91, .	2.9	32
34	Spectra and elliptic flow for identified hadrons in $\sqrt{s_{NN}}=2.76$ TeV Pb + Pb collisions. Physical Review C, 2014, 89, .	2.9	65
35	QGP viscosity at RHIC and the LHC – a 2012 status report. Nuclear Physics A, 2013, 904-905, 114c-121c.	1.5	43
36	The viscosity of quark-gluon plasma at RHIC and the LHC. AIP Conference Proceedings, 2012, , .	0.4	58

#	ARTICLE	IF	CITATIONS
37	VISHNU hybrid model for the viscous QCD matter at RHIC and LHC energies. Open Physics, 2012, 10, .	1.7	0
38	Hydrodynamic modeling and the QGP shear viscosity. European Physical Journal A, 2012, 48, 1.	2.5	16
39	Radial and elliptic flow in Pb collisions at energies available at the CERN Large Hadron Collider from viscous hydrodynamics. Physical Review C, 2011, 84, .	2.9	183
40	Elliptic flow in Au collisions and 200 GeV collisions	2.9	109
41	Elliptic flow in Au collisions and 200 GeV collisions	7.8	380
42	Viscous QCD matter in a hybrid hydrodynamic+Boltzmann approach. Physical Review C, 2011, 83, .	2.9	134
43	Hadron spectra and elliptic flow for 200 GeV collisions from viscous hydrodynamics coupled to a Boltzmann cascade. Physical Review C, 2011, 83, .	2.9	105
44	Interplay of shear and bulk viscosity in generating flow in heavy-ion collisions. Physical Review C, 2010, 81, .	2.9	107
45	Systematic parameter study of hadron spectra and elliptic flow from viscous hydrodynamic simulations of Au collisions at 200 GeV	2.9	126
46	Viscous hydrodynamics with bulk viscosity uncertainties from relaxation time and initial conditions. Nuclear Physics A, 2009, 830, 467c-470c.	1.5	17
47	Extracting the QGP viscosity from RHIC data—a status report from viscous hydrodynamics. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 064033.	3.6	159
48	Suppression of elliptic flow in a minimally viscous quark-gluon plasma. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 658, 279-283.	4.1	340
49	Causal viscous hydrodynamics in 2 + 1 dimensions for relativistic heavy-ion collisions. Physical Review C, 2008, 77, .	2.9	393
50	Multiplicity scaling in ideal and viscous hydrodynamics. Physical Review C, 2008, 78, .	2.9	227
51	Dissipative hydrodynamics for viscous relativistic fluids. Physical Review C, 2006, 73, .	2.9	156