

Guang-You Qin

List of Publications by Year in descending order

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times ranked

4860
citing authors

#	ARTICLE	IF	CITATIONS
1	Jet shape and redistribution of the lost energy from jets in Pb+Pb collisions at the LHC in a multiphase transport model. European Physical Journal C, 2022, 82, 1.	3.9	4
2	-D viscous hydrodynamics at finite net baryon density: Identified particle spectra, anisotropic flows, and flow fluctuations across energies relevant to the beam-energy scan at RHIC. Physical Review C, 2022, 105, .	2.9	16
3	QLBT: a linear Boltzmann transport model for heavy quarks in a quark-gluon plasma of quasi-particles. European Physical Journal C, 2022, 82, 1.	3.9	11
4	Heavy and light flavor jet quenching in different collision systems at energies available at the CERN Large Hadron Collider. Physical Review C, 2022, 105, .	2.9	4
5	Local and global polarization of hyperons across RHIC-BES energies: The roles of spin hall effect, initial condition, and baryon diffusion. Physical Review C, 2022, 105, .	2.9	19
6	Effects of dissipative baryon current in heavy-ion collisions at RHIC-BES energies. Nuclear Physics A, 2021, 1005, 121827.	1.5	3
7	Heavy and light flavor jet quenching in heavy-ion collisions in a perturbative QCD approach. Nuclear Physics A, 2021, 1005, 121829.	1.5	1
8	Number of constituent quark scaling of elliptic flows in high multiplicity p-Pb collisions at $\sqrt{s} = 5.02$ TeV. Nuclear Physics A, 2021, 1005, 121876.		
9	The elliptic asymmetry of heavy quarkonia in pA collisions from the initial state. Nuclear Physics A, 2021, 1005, 121975.	1.5	0
10	Parton Energy Loss in the Generalized High-Twist Approach. Nuclear Physics A, 2021, 1005, 122003.	1.5	0
11	Scaling behaviors of heavy flavor meson suppression and flow in different nuclear collision systems at the LHC. European Physical Journal C, 2021, 81, 1.	3.9	6
12	Charmed hadron chemistry in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135561.	4.1	27
13	Probing the Partonic Degrees of Freedom in High-Multiplicity collisions at $\sqrt{s} = 5.02$ TeV. Physical Review Letters, 2020, 125, 072301.	7.8	34
14	Collectivity of heavy mesons in proton-nucleus collisions. Physical Review D, 2020, 102, .	4.7	7
15	Towards a full solution of the relativistic Boltzmann equation for quark-gluon matter on GPUs. Physical Review D, 2020, 102, .	4.7	14
16	Flavor hierarchy of jet quenching in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135424.	4.1	32
17	Longitudinal dependence of open heavy flavor RAA in relativistic heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	5
18	Nuclear modification of jet shape for inclusive jets and \hat{I}^3 -jets at the LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135181.	4.1	32

#	ARTICLE	IF	CITATIONS
19	Heavy flavor quenching and flow: the roles of initial condition, pre-equilibrium evolution, and in-medium interaction *. Chinese Physics C, 2020, 44, 114101.	3.7	12
20	Extracting jet transport coefficient via single hadron and dihadron productions in high-energy heavy-ion collisions. European Physical Journal C, 2019, 79, 1.	3.9	25
21	Parton energy loss and the generalized jet transport coefficient. Physical Review D, 2019, 100, .	4.7	10
22	Gluon emission from heavy quarks in dense nuclear matter. Physical Review C, 2019, 100, .	2.9	6
23	Probing jet splitting and energy loss via groomed jets in relativistic heavy-ion collisions. Nuclear Physics A, 2019, 982, 583-586.	1.5	0
24	Longitudinal fluctuations and decorrelations of anisotropic flows in relativistic heavy-ion collisions. Nuclear Physics A, 2019, 982, 327-330.	1.5	0
25	Elliptic Flow of Heavy Quarkonia in $p\bar{p}$ Collisions. Physical Review Letters, 2019, 122, 172302.	7.8	30
26	Probing medium-induced jet splitting and energy loss in heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 423-432.	4.1	36
27	Overall momentum balance and redistribution of the lost energy in asymmetric dijet events in $\sqrt{s_{NN}} = 2.76$ TeV Pb-Pb collisions with a multiphase transport model. Physical Review C, 2018, 97, .	2.9	7
28	Heavy and light flavor jet quenching at RHIC and LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 255-259.	4.1	89
29	Longitudinal fluctuations and decorrelations of anisotropic flows at energies available at the CERN Large Hadron Collider and at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2018, 98, .	2.9	33
30	Medium-induced gluon emission via transverse and longitudinal scattering in dense nuclear matter. Physical Review C, 2018, 98, .	2.9	6
31	Study of isolated-photon and jet momentum imbalance in pp and PbPb collisions. Nuclear Physics B, 2018, 933, 306-319.	2.5	21
32	Dijet asymmetry in the resummation improved perturbative QCD approach. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 773-778.	4.1	31
33	Probing transverse momentum broadening via dihadron and hadron-jet angular correlations in relativistic heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 672-676.	4.1	48
34	Probing transverse momentum broadening via jet-related angular correlations in relativistic nuclear collisions. Nuclear Physics A, 2017, 967, 496-499.	1.5	0
35	Solving the \vec{q}_T puzzle with x and scale dependence. Nuclear Physics A, 2017, 967, 536-539.	1.5	8
36	Effect of hydrodynamic response in QGP on full jets. Nuclear Physics A, 2017, 967, 568-571.	1.5	0

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37	Heavy and light hadron production and D-hadron correlation in relativistic heavy-ion collisions. Nuclear Physics A, 2017, 967, 628-631.	1.5	2
38	Full jet evolution in quark-gluon plasma and nuclear modification of jet structure in Pb+Pb collisions at 2.76A TeV. Nuclear and Particle Physics Proceedings, 2017, 289-290, 145-148.	0.5	0
39	Full jet in quark-gluon plasma with hydrodynamic medium response. Physical Review C, 2017, 95, .	2.9	77
40	Modification of jet rate, shape and structure: model and phenomenology. Nuclear and Particle Physics Proceedings, 2017, 289-290, 47-52.	0.5	1
41	Flow excited by full jet shower in QGP fluid and its effect on jet shape. Nuclear and Particle Physics Proceedings, 2017, 289-290, 141-144.	0.5	0
42	R AA vs. v_2 of heavy and light hadrons within a linear Boltzmann transport model. Nuclear and Particle Physics Proceedings, 2017, 289-290, 217-220.	0.5	15
43	Probing transverse momentum broadening via dihadron and hadron-jet angular decorrelations. Nuclear and Particle Physics Proceedings, 2017, 289-290, 350-353.	0.5	0
44	Jet Quenching in High-Energy Heavy-Ion Collisions. , 2016, , 309-372.		1
45	Suppression and Two-Particle Correlations of Heavy Mesons in Heavy-Ion Collisions. Nuclear Physics A, 2016, 956, 505-508.	1.5	1
46	Longitudinal fluctuations and decorrelation of anisotropic flow. Nuclear Physics A, 2016, 956, 272-275.	1.5	3
47	Heavy-flavor dynamics in relativistic p-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear Physics A, 2016, 956, 272-275.	0.5	19
48	Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Nuclear and Particle Physics Proceedings, 2016, 276-278, 177-180.	2.9	56
49	Gluon contribution to open heavy-meson production in heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	6
50	Drag induced radiative energy loss of semi-hard heavy quarks. Nuclear and Particle Physics Proceedings, 2016, 276-278, 177-180.	0.5	0
51	Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. Physical Review C, 2016, 94, .	2.9	166
52	Photon bremsstrahlung from quark jet via transverse and longitudinal scattering: Single versus multiple scattering. Physical Review C, 2016, 94, .	2.9	3
53	Decorrelation of anisotropic flow along the longitudinal direction. European Physical Journal A, 2016, 52, 1.	2.5	60
54	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15

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55	Energy loss, hadronization, and hadronic interactions of heavy flavors in relativistic heavy-ion collisions. <i>Physical Review C</i> , 2015, 92, .	2.9	102
56	Modeling of heavy-flavor pair correlations in Au-Au collisions at $\sqrt{s_{NN}} = 200$ GeV at the BNL Relativistic Heavy Ion Collider. <i>Physical Review C</i> , 2015, 92, .	2.9	33
57	Jet quenching in high-energy heavy-ion collisions. <i>International Journal of Modern Physics E</i> , 2015, 24, 1530014.	1.0	204
58	The influence of initial state fluctuations on heavy quark energy loss in relativistic heavy-ion collisions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015, 42, 125104.	3.6	11
59	Jet transport and photon bremsstrahlung via longitudinal and transverse scattering. <i>Physical Review C</i> , 2015, 91, .	2.9	13
60	Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2015, 91, .	2.9	46
61	Anisotropic flow and jet quenching in relativistic nuclear collisions. <i>International Journal of Modern Physics E</i> , 2015, 24, 1530001.	1.0	4
62	Heavy flavor dynamics in QGP and hadron gas. <i>Nuclear Physics A</i> , 2014, 931, 569-574.	1.5	9
63	Dynamical evolution, hadronization and angular de-correlation of heavy flavor in a hot and dense QCD medium. <i>Nuclear Physics A</i> , 2014, 932, 38-44.	1.5	7
64	Elliptic and triangular flow anisotropy in deuteron-gold collisions at RHIC and in proton-lead collisions at $\sqrt{s_{NN}} = 2.76$ GeV. <i>Physical Review C</i> , 2014, 89, .	2.9	86
65	Theory of jet quenching in ultra-relativistic nuclear collisions. <i>Nuclear Physics A</i> , 2014, 931, 165-175.	1.5	5
66	Extracting the jet transport coefficient from jet quenching in high-energy heavy-ion collisions. <i>Physical Review C</i> , 2014, 90, .	2.9	298
67	Parton shower evolution in medium and nuclear modification of photon-tagged jets in Pb+Pb collisions at the LHC. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	28
68	Collisional vs. Radiative Energy Loss of Heavy Quark in a Hot and Dense Nuclear Matter. <i>Nuclear Physics A</i> , 2013, 904-905, 653c-656c.	1.5	26
69	Heavy quark energy loss and thermalization in hot and dense nuclear matter. <i>Journal of Physics: Conference Series</i> , 2013, 420, 012022.	0.4	4
70	Model and parameter dependence of heavy quark energy loss in a hot and dense medium. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2013, 40, 085103.	3.6	24
71	Parton transport via transverse and longitudinal scattering in dense media. <i>Physical Review C</i> , 2013, 87, .	2.9	28
72	Heavy-quark dynamics and hadronization in ultrarelativistic heavy-ion collisions: Collisional versus radiative energy loss. <i>Physical Review C</i> , 2013, 88, .	2.9	173

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73	Heavy quark energy loss and angular de-correlation in a quark-gluon plasma matter. Journal of Physics: Conference Series, 2013, 446, 012035.	0.4	3
74	Comparison of jet quenching formalisms for a quark-gluon plasma. Physical Review C, 2012, 86, .	2.9	108
75	Counting hot/cold spots in quark-gluon plasma. Physical Review C, 2012, 85, .	2.9	21
76	Explanation of Dijet Asymmetry in Pb-Pb Collisions at the Large Hadron Collider. Physical Review Letters, 2011, 106, 162302.	7.8	107
77	Jet shower evolution in medium and dijet asymmetry in Pb+Pb collisions at the LHC. Journal of Physics G: Nuclear and Particle Physics, 2011, 38, 124158.	3.6	1
78	Perturbative QCD Description of Heavy and Light Flavor Jet Quenching. Physical Review Letters, 2010, 105, 262301.	7.8	40
79	Translation of collision geometry fluctuations into momentum anisotropies in relativistic heavy-ion collisions. Physical Review C, 2010, 82, .	2.9	170
80	Triangular flow in event-by-event ideal hydrodynamics in Au collisions at $\sqrt{s} = 200$ GeV. Physical Review C, 2009, 79, .	2.9	182
81	Evolving distribution of hard partons traversing a hot, strongly interacting plasma. Physical Review C, 2009, 79, .	2.9	34
82	Systematic comparison of jet energy-loss schemes in a realistic hydrodynamic medium. Physical Review C, 2009, 79, .	2.9	158
83	Jet energy loss, photon production, and photon-hadron correlations at energies available at the BNL Relativistic Heavy Ion Collider (RHIC). Physical Review C, 2009, 80, .	2.9	90
84	Radiative and Collisional Jet Energy Loss in the Quark-Gluon Plasma at the BNL Relativistic Heavy Ion Collider. Physical Review Letters, 2008, 100, 072301.	7.8	163
85	ELECTROMAGNETIC RADIATION FROM BROKEN SYMMETRIES IN RELATIVISTIC NUCLEAR COLLISIONS. International Journal of Modern Physics E, 2007, 16, 2350-2355.	1.0	1
86	Radiative jet energy loss in a three-dimensional hydrodynamical medium and high-pT dijet asymmetry of π^0 at mid and forward rapidity in. Physical Review C, 2007, 76, .	2.9	23
87	Photon production from charge-asymmetric hot and dense matter. Physical Review C, 2007, 75, .	2.9	0
88	The $[1,2]$ Padé amplitudes for $\pi\pi$ scatterings in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 89-99.	4.1	17