Guang-You Qin

List of Publications by Year
in descending order

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88 papers	3,253 citations	172457 29 h-index	144013 57 g-index
90 all docs	90 docs citations	90 times ranked	4860 citing authors

#	Article	IF	Citations
1	Extracting the jet transport coefficient from jet quenching in high-energy heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	298
2	Jet quenching in high-energy heavy-ion collisions. International Journal of Modern Physics E, 2015, 24, 1530014.	1.0	204
3	Triangular flow in event-by-event ideal hydrodynamics in Au<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:math>Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msqrt><mml:mrow><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi mathvariant="italic">NN</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt><mml:mo>=</mml:mo><mml:mn>200</mml	2.9	182
4	Heavy-quark dynamics and hadronization in ultrarelativistic heavy-ion collisions: Collisional versus radiative energy loss. Physical Review C, 2013, 88, .	2.9	173
5	Translation of collision geometry fluctuations into momentum anisotropies in relativistic heavy-ion collisions. Physical Review C, 2010, 82, .	2.9	170
6	Linearized Boltzmann transport model for jet propagation in the quark-gluon plasma: Heavy quark evolution. Physical Review C, 2016, 94, .	2.9	166
7	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
8	Systematic comparison of jet energy-loss schemes in a realistic hydrodynamic medium. Physical Review C, 2009, 79, .	2.9	158
9	Comparison of jet quenching formalisms for a quark-gluon plasma â€œbrickâ€. Physical Review C, 2012, 86, .	2.9	108
10	Explanation of Dijet Asymmetry in Pb-Pb Collisions at the Large Hadron Collider. Physical Review Letters, 2011, 106, 162302.	7.8	107
11	Energy loss, hadronization, and hadronic interactions of heavy flavors in relativistic heavy-ion collisions. Physical Review C, 2015, 92, .	2.9	102
12	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
13	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
14	Elliptic and triangular flow anisotropy in deuteron-gold collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml at RHIC and in proton-lead collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml Physical Review C, 2014, 89, .	2.9	86
15	Full jet in quark-gluon plasma with hydrodynamic medium response. Physical Review C, 2017, 95, .	2.9	77
16	Decorrelation of anisotropic flow along the longitudinal direction. European Physical Journal A, 2016, 52, 1.	2.5	60
17	Full jet evolution in quark-gluon plasma and nuclear modification of jet production and jet shape in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mtext>Pb</mml:mtext><mml:mo>+</mml:mo><mml:mtext> at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2.76</mml:mn><mml:mi>A</mml:mi><mml:mspace width="0.16em" /><mml:mi>TeV</mml:mi></mml:mrow></mml:math>at the CERN Large Hadron Collider.	2.9	56
18	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

#	Article	IF	Citations
19	Longitudinal decorrelation of anisotropic flows in heavy-ion collisions at the CERN Large Hadron Collider. Physical Review C, 2015, 91, .	2.9	46
20	Perturbative QCD Description of Heavy and Light Flavor Jet Quenching. Physical Review Letters, 2010, 105, 262301.	7.8	40
21	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
22	Evolving distribution of hard partons traversing a hot, strongly interacting plasma. Physical Review C, 2009, 79, .	2.9	34
23	Probing the Partonic Degrees of Freedom in High-Multiplicity <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>p</mml:mi><mml:mtext>â^'</mml:mtext><mml:mi>Pb</mml:mi></mml:mrow></mml:math> collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msqrt><mml:msub><mml:mi>s</mml:mi><mml:mrow><mml:mi>N</mml:mi><mml:mi>N</mml:mi></mml:mrow	7.8	34
24	Modeling of heavy-flavor pair correlations in Au-Au collisions at<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>200</mml:mn><mml:mi>A</mml:mi></mml:math>GeV at the BNL Relativistic Heavy Ion Collider. Physical Review C, 2015, 92, .	2.9	33
25	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
26	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
27	Nuclear modification of jet shape for inclusive jets and Î³-jets at the LHC energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 801, 135181.	4.1	32
28	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
29	Elliptic Flow of Heavy Quarkonia in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>p</mml:mi><mml:mi>A</mml:mi></mml:math> Collisions. Physical Review Letters, 2019, 122, 172302.	7.8	30
30	Parton transport via transverse and longitudinal scattering in dense media. Physical Review C, 2013, 87, .	2.9	28
31	Parton shower evolution in medium and nuclear modification of photon-tagged jets in Pb+Pb collisions at the LHC. European Physical Journal C, 2014, 74, 1.	3.9	28
32	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
33	Collisional vs. Radiative Energy Loss of Heavy Quark in a Hot and Dense Nuclear Matter. Nuclear Physics A, 2013, 904-905, 653c-656c.	1.5	26
34	Radiative jet energy loss in a three-dimensional hydrodynamical medium and high<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>p</mml:mi><mml:mrow><mml:mi>T</mml:mi></mml:mrow></mml:msub></mml:m asymmetry of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mi>Ï€</mml:mi><mml:mrow><mml:mn>0</mml:mn></mml:mrow></mml:msub></mm at mid and forward rapidity in. Physical Review C, 2007, 76, .	2.9	25
35	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
36	Model and parameter dependence of heavy quark energy loss in a hot and dense medium. Journal of Physics G: Nuclear and Particle Physics, 2013, 40, 085103.	3.6	24

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37	Counting hot/cold spots in quark-gluon plasma. Physical Review C, 2012, 85, .	2.9	21
38	Study of isolated-photon and jet momentum imbalance in pp and PbPb collisions. Nuclear Physics B, 2018, 933, 306-319.	2.5	21
39	Heavy-flavor dynamics in relativistic p-Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msqrt><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mi>N</mml:mi><m Nuclear and Particle Physics Proceedings, 2016, 276-278, 225-228.	0.5	19
40	Local and global polarization of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="normal">Î›</mml:mi></mml:math> hyperons across RHIC-BES energies: The roles of spin hall effect, initial condition, and baryon diffusion. Physical Review C, 2022, 105, .	2.9	19
41	The [1,2] PadÃ© amplitudes for Ï€Ï€ scatterings in chiral perturbation theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 542, 89-99.	4.1	17
42	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mo>(</mml:mo><mml:mn>3</mml:mn><mml:mo>+</mml:m -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
43	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
44	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
45	Towards a full solution of the relativistic Boltzmann equation for quark-gluon matter on GPUs. Physical Review D, 2020, 102, .	4.7	14
46	Jet transport and photon bremsstrahlung via longitudinal and transverse scattering. Physical Review C, 2015, 91, .	2.9	13
47	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
48	The influence of initial state fluctuations on heavy quark energy loss in relativistic heavy-ion collisions. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 125104.	3.6	11
49	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
50	Parton energy loss and the generalized jet transport coefficient. Physical Review D, 2019, 100, .	4.7	10
51	Heavy flavor dynamics in QGP and hadron gas. Nuclear Physics A, 2014, 931, 569-574.	1.5	9
52	Solving theqË†puzzle with x and scale dependence. Nuclear Physics A, 2017, 967, 536-539.	1.5	8
53	Dynamical evolution, hadronization and angular de-correlation of heavy flavor in a hot and dense QCD medium. Nuclear Physics A, 2014, 932, 38-44.	1.5	7
54	Overall momentum balance and redistribution of the lost energy in asymmetric dijet events in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mn>2.76</mml:mn><mml:mi>A</mml:mi></mml:mrow></mm TeV Pb-Pb collisions with a multiphase transport model. Physical Review C, 2018, 97, .	2.9	7

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55	Collectivity of heavy mesons in proton-nucleus collisions. Physical Review D, 2020, 102, .	4.7	7
56	Gluon contribution to open heavy-meson production in heavy-ion collisions. Physical Review C, 2016, 93, .	2.9	6
57	Medium-induced gluon emission via transverse and longitudinal scattering in dense nuclear matter. Physical Review C, 2018, 98, .	2.9	6
58	Gluon emission from heavy quarks in dense nuclear matter. Physical Review C, 2019, 100, .	2.9	6
59	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
60	Theory of jet quenching in ultra-relativistic nuclear collisions. Nuclear Physics A, 2014, 931, 165-175.	1.5	5
61	Longitudinal dependence of open heavy flavor RAA in relativistic heavy-ion collisions. Physical Review C, 2020, 101, .	2.9	5
62	Heavy quark energy loss and thermalization in hot and dense nuclear matter. Journal of Physics: Conference Series, 2013, 420, 012022.	0.4	4
63	Anisotropic flow and jet quenching in relativistic nuclear collisions. International Journal of Modern Physics E, 2015, 24, 1530001.	1.0	4
64	Jet shape and redistribution of the lost energy from jets in PbÂ+ÂPb collisions at the LHC in a multiphase transport model. European Physical Journal C, 2022, 82, 1.	3.9	4
65	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
66	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
67	Longitudinal fluctuations and decorrelation of anisotropic flow. Nuclear Physics A, 2016, 956, 272-275.	1.5	3
68	Photon bremsstrahlung from quark jet via transverse and longitudinal scattering: Single versus multiple scattering. Physical Review C, 2016, 94, .	2.9	3
69	Effects of dissipative baryon current in heavy-ion collisions at RHIC-BES energies. Nuclear Physics A, 2021, 1005, 121827.	1.5	3
70	Heavy and light hadron production and D -hadron correlation in relativistic heavy-ion collisions. Nuclear Physics A, 2017, 967, 628-631.	1.5	2
71	ELECTROMAGNETIC RADIATION FROM BROKEN SYMMETRIES IN RELATIVISTIC NUCLEAR COLLISIONS. International Journal of Modern Physics E, 2007, 16, 2350-2355.	1.0	1
72	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

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73	Jet Quenching in High-Energy Heavy-Ion Collisions. , 2016, , 309-372.		1
74	Suppression and Two-Particle Correlations of Heavy Mesons in Heavy-Ion Collisions. Nuclear Physics A, 2016, 956, 505-508.	1.5	1
75	Modification of jet rate, shape and structure: model and phenomenology. Nuclear and Particle Physics Proceedings, 2017, 289-290, 47-52.	0.5	1
76	Heavy and light flavor jet quenching in heavy-ion collisions in a perturbative QCD approach. Nuclear Physics A, 2021, 1005, 121829.	1.5	1
77	Photon production from charge-asymmetric hot and dense matter. Physical Review C, 2007, 75, .	2.9	0
78	Drag induced radiative energy loss of semi-hard heavy quarks. Nuclear and Particle Physics Proceedings, 2016, 276-278, 177-180.	0.5	0
79	Probing transverse momentum broadening via jet-related angular correlations in relativistic nuclear collisions. Nuclear Physics A, 2017, 967, 496-499.	1.5	0
80	Effect of hydrodynamic response in QGP on full jets. Nuclear Physics A, 2017, 967, 568-571.	1.5	0
81	Full jet evolution in quarkâ€“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
82	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
83	Probing transverse momentum broadening via dihadron and hadron-jet angular decorrelations. Nuclear and Particle Physics Proceedings, 2017, 289-290, 350-353.	0.5	0
84	Probing jet splitting and energy loss via groomed jets in relativistic heavy-ion collisions. Nuclear Physics A, 2019, 982, 583-586.	1.5	0
85	Longitudinal fluctuations and decorrelations of anisotropic flows in relativistic heavy-ion collisions. Nuclear Physics A, 2019, 982, 327-330.	1.5	0
86	Number of constituent quark scaling of elliptic flows in high multiplicity p-Pb collisions at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:msqrt><mml:mrow><mml:msub><mml:mrow><mml:mi>s</mml:mi></mml:mrow><mml:mrow><mml:mi>N</mml:mi></mml:mrow></mml:msub></mml:mrow></mml:msqrt><mml:mo linebreak="goodbreak" linebreakstyle="after">=</mml:mo><mml:mn>5.02</mml:mn><mml:mspace width="0.25em" /><mml:mtext>TeV</mml:mtext></mml:math>. Nuclear Physics A, 2021, 1005, 121876.	1.5	0
87	The elliptic asymmetry of heavy quarkonia in pA collisions from the initial state. Nuclear Physics A, 2021, 1005, 121975.	1.5	0
88	Parton Energy Loss in the Generalized High-Twist Approach. Nuclear Physics A, 2021, 1005, 122003.	1.5	0