

Claudia Ratti

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

3,020
citations

331259

21
h-index

580395

25
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28
all docs

28
docs citations

28
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	The BEST framework for the search for the QCD critical point and the chiral magnetic effect. Nuclear Physics A, 2022, 1017, 122343.	0.6	51
2	Building a testable shear viscosity across the QCD phase diagram. Physical Review C, 2022, 105, .	1.1	5
3	Transport Properties of QCD Matter. Lecture Notes in Physics, 2021, , 171-193.	0.3	0
4	Hot and dense quark-gluon plasma thermodynamics from holographic black holes. Physical Review D, 2021, 104, .	1.6	36
5	Future physics perspectives on the equation of state from heavy ion collisions to neutron stars. Journal of Physics G: Nuclear and Particle Physics, 2021, 48, 073001.	1.4	31
6	QCD Crossover at Finite Chemical Potential from Lattice Simulations. Physical Review Letters, 2020, 125, 052001.	2.9	139
7	QCD equation of state matched to lattice data and exhibiting a critical point singularity. Physical Review C, 2020, 101, .	1.1	71
8	Update on BEST Collaboration and Status of Lattice QCD. Springer Proceedings in Physics, 2020, , 373-378.	0.1	0
9	Trying to constrain the location of the QCD critical endpoint with lattice simulations. Nuclear Physics A, 2019, 982, 843-846.	0.6	19
10	Analysis of Kaon fluctuations from the beam energy scan at RHIC. Nuclear Physics A, 2019, 982, 799-802.	0.6	1
11	The QCD Phase Diagram from the Lattice. , 2019, , 75-88.		0
12	Lattice QCD and heavy ion collisions: a review of recent progress. Reports on Progress in Physics, 2018, 81, 084301.	8.1	111
13	Higher order fluctuations and correlations of conserved charges from lattice QCD. Journal of High Energy Physics, 2018, 2018, 1.	1.6	114
14	Constraining the hadronic spectrum through QCD thermodynamics on the lattice. Physical Review D, 2017, 96, .	1.6	77
15	Cumulants and nonlinear response of high p_T harmonic flow at $\sqrt{s} = 5.02$ TeV. Physical Review C, 2017, 95, .	1.1	32
16	Dynamical versus equilibrium properties of the QCD phase transition: A holographic perspective. Physical Review D, 2017, 96, .	1.6	66
17	Critical point in the phase diagram of primordial quark-gluon matter from black hole physics. Physical Review D, 2017, 96, .	1.6	87
18	The QCD equation of state at finite density from analytical continuation. EPJ Web of Conferences, 2017, 137, 07008.	0.1	44

#	ARTICLE	IF	CITATIONS
19	Lattice QCD: bulk and transport properties of QCD matter. Nuclear Physics A, 2016, 956, 51-58.	0.6	7
20	Production of charge in heavy ion collisions. Physical Review C, 2015, 92, .	1.1	24
21	Sensitivity of multiplicity fluctuations to freeze-out conditions in heavy ion collisions. Physical Review C, 2015, 92, .	1.1	31
22	Impact of resonance regeneration and decay on the net proton fluctuations in a hadron resonance gas. European Physical Journal C, 2015, 75, 1.	1.4	61
23	Freeze-out conditions from net-proton and net-charge fluctuations at RHIC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 738, 305-310.	1.5	163
24	Is There a Flavor Hierarchy in the Deconfinement Transition of QCD?. Physical Review Letters, 2013, 111, 202302.	2.9	143
25	Fluctuations of conserved charges at finite temperature from lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	295
26	Recent results on QCD thermodynamics: lattice QCD versus Hadron Resonance Gas model. Nuclear Physics A, 2011, 855, 253-256.	0.6	32
27	Is there still any T_c mystery in lattice QCD? Results with physical masses in the continuum limit III. Journal of High Energy Physics, 2010, 2010, 1.	1.6	659
28	The QCD equation of state with dynamical quarks. Journal of High Energy Physics, 2010, 2010, 1.	1.6	721