

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
g-index

28
all docs

28
docs citations

28
times ranked

1878
citing authors

#	ARTICLE	IF	CITATIONS
1	The QCD equation of state with dynamical quarks. Journal of High Energy Physics, 2010, 2010, 1.	1.6	721
2	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
3	Fluctuations of conserved charges at finite temperature from lattice QCD. Journal of High Energy Physics, 2012, 2012, 1.	1.6	295
4	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
5	Is There a Flavor Hierarchy in the Deconfinement Transition of QCD?. Physical Review Letters, 2013, 111, 202302.	2.9	143
6	QCD Crossover at Finite Chemical Potential from Lattice Simulations. Physical Review Letters, 2020, 125, 052001.	2.9	139
7	Higher order fluctuations and correlations of conserved charges from lattice QCD. Journal of High Energy Physics, 2018, 2018, 1.	1.6	114
8	Lattice QCD and heavy ion collisions: a review of recent progress. Reports on Progress in Physics, 2018, 81, 084301.	8.1	111
9	Critical point in the phase diagram of primordial quark-gluon matter from black hole physics. Physical Review D, 2017, 96, .	1.6	87
10	Constraining the hadronic spectrum through QCD thermodynamics on the lattice. Physical Review D, 2017, 96, .	1.6	77
11	QCD equation of state matched to lattice data and exhibiting a critical point singularity. Physical Review C, 2020, 101, .	1.1	71
12	Dynamical versus equilibrium properties of the QCD phase transition: A holographic perspective. Physical Review D, 2017, 96, .	1.6	66
13	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
14	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
15	The QCD equation of state at finite density from analytical continuation. EPJ Web of Conferences, 2017, 137, 07008.	0.1	44
16	Hot and dense quark-gluon plasma thermodynamics from holographic black holes. Physical Review D, 2021, 104, .	1.6	36
17	Recent results on QCD thermodynamics: lattice QCD versus Hadron Resonance Gas model. Nuclear Physics A, 2011, 855, 253-256.	0.6	32
18	Cumulants and nonlinear response of high harmonic flow at $\sqrt{s} = 5.02$ TeV. Physical Review C, 2017, 95, .	1.1	32

#	ARTICLE	IF	CITATIONS
19	Sensitivity of multiplicity fluctuations to freeze-out conditions in heavy ion collisions. Physical Review C, 2015, 92, .	1.1	31
20	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
21	Production of charge in heavy ion collisions. Physical Review C, 2015, 92, .	1.1	24
22	Trying to constrain the location of the QCD critical endpoint with lattice simulations. Nuclear Physics A, 2019, 982, 843-846.	0.6	19
23	Lattice QCD: bulk and transport properties of QCD matter. Nuclear Physics A, 2016, 956, 51-58.	0.6	7
24	Building a testable shear viscosity across the QCD phase diagram. Physical Review C, 2022, 105, .	1.1	5
25	Analysis of Kaon fluctuations from the beam energy scan at RHIC. Nuclear Physics A, 2019, 982, 799-802.	0.6	1
26	The QCD Phase Diagram from the Lattice. , 2019, , 75-88.		0
27	Transport Properties of QCD Matter. Lecture Notes in Physics, 2021, , 171-193.	0.3	0
28	Update on BEST Collaboration andÂStatus of Lattice QCD. Springer Proceedings in Physics, 2020, , 373-378.	0.1	0