

Heng Tong Ding

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7463315/publications.pdf>

Version: 2024-02-01

59

papers

4,993

citations

201674

27

h-index

155660

55

g-index

59

all docs

59

docs citations

59

times ranked

3404

citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral condensates and screening masses of neutral pseudoscalar mesons in thermomagnetic QCD medium. <i>Physical Review D</i> , 2022, 105, .	4.7	12
2	New developments in lattice QCD on equilibrium physics and phase diagram. <i>Nuclear Physics A</i> , 2021, 1005, 121940.	1.5	16
3	QCD Phase Structure in Strong Magnetic Fields. <i>Acta Physica Polonica B, Proceedings Supplement</i> , 2021, 14, 403.	0.1	6
4	Correlated Dirac Eigenvalues and Axial Anomaly in Chiral Symmetric QCD. <i>Physical Review Letters</i> , 2021, 126, 082001.	7.8	35
5	Fluctuations and correlations of net baryon number, electric charge and strangeness in a background magnetic field. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	15
6	Chiral properties of ($\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \text{ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (d}$)	4.7	28
7	Charm and beauty in the deconfined plasma from quenched lattice QCD. <i>Physical Review D</i> , 2021, 104, .	4.7	6
8	Chiral phase structure of three flavor QCD in a background magnetic field. <i>Physical Review D</i> , 2020, 102, .	4.7	12
9	Skewness, kurtosis, and the fifth and sixth order cumulants of net baryon-number distributions from lattice QCD confront high-statistics STAR data. <i>Physical Review D</i> , 2020, 101, .	4.7	85
10	The chiral phase transition temperature in (2+1)-flavor QCD., 2020, ,.		1
11	Thermal modifications of quarkonia and heavy quark diffusion from a comparison of continuum-extrapolated lattice results to perturbative QCD., 2020, ,.		3
12	Chiral Phase Transition Temperature in ($\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \text{ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 312 Td (xmlns:mml="http://www.w3.org/1998/Math/MathML" }$)	7.8	116
13	Charmonium and bottomonium spectral functions in the vector channel. <i>Nuclear Physics A</i> , 2019, 982, 715-718.	1.5	7
14	Chiral phase transition of (2+1)-flavor QCD. <i>Nuclear Physics A</i> , 2019, 982, 211-214.	1.5	15
15	Chiral crossover in QCD at zero and non-zero chemical potentials. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 15-21.	4.1	303
16	Insight into Thermal Modifications of Quarkonia From a Comparison of Continuum-Extrapolated Lattice Results to Perturbative QCD. <i>Proceedings (mdpi)</i> , 2019, 10, 45.	0.2	2
17	Meson screening masses in ($\langle \text{mml:math} \text{ xmlns:mml="http://www.w3.org/1998/Math/MathML" } \rangle \text{ Tj ETQq1 1 0.784314 rgBT /Overlock 10 }$)	4.7	48
18	Phase structure of three flavor QCD in external magnetic fields using HISQ fermions., 2019, ,.		6

#	ARTICLE	IF	CITATIONS
19	Continuum extrapolation of quarkonium correlators at non-zero temperature. EPJ Web of Conferences, 2018, 175, 07010.	0.3	3
20	Thermal modifications of charmonia and bottomonia from spatial correlation functions. EPJ Web of Conferences, 2018, 175, 07021.	0.3	1
21	Chiral phase transition of three flavor QCD with nonzero magnetic field using standard staggered fermions. EPJ Web of Conferences, 2018, 175, 07041.	0.3	4
22	Stochastic reconstructions of spectral functions: Application to lattice QCD. Physical Review D, 2018, 97, .	4.7	19
23	QCD equation of state to $\text{O}_{1/4} \text{B}_{6/265}$. display="inline">$\text{O}_{1/4}$$\text{B}_{6/265}$		
24	Chiral phase structure of three flavor QCD at vanishing baryon number density. Physical Review D, 2017, 95, .	4.7	36
25	Thermal quarkonium physics in the pseudoscalar channel. Journal of High Energy Physics, 2017, 2017, 1.	4.7	23
26	Skewness and kurtosis of net baryon-number distributions at small values of the baryon chemical potential. Physical Review D, 2017, 96, .	4.7	62
27	Thermal dilepton rates and electrical conductivity of the QGP from the lattice. Physical Review D, 2016, 94, .	4.7	54
28	Thermodynamics of Strong-Interaction Matter from Lattice QCD. , 2016, , 1-65.		3
29	Conserved Charge Fluctuations from Lattice QCD and the Beam Energy Scan. Nuclear Physics A, 2016, 956, 352-355.	1.5	15
30	Curvature of the freeze-out line in heavy ion collisions. Physical Review D, 2016, 93, .	4.7	22
31	Polyakov loop in flavor QCD from low to high temperatures. Physical Review D, 2016, 93, .		
32	Physics perspectives of heavy-ion collisions at very high energy. Science China: Physics, Mechanics and Astronomy, 2016, 59, 1.	5.1	15
33	Diagonal and off-diagonal quark number susceptibilities at high temperatures. Physical Review D, 2015, 92, .	4.7	81
34	Thermodynamics of strong-interaction matter from lattice QCD. International Journal of Modern Physics E, 2015, 24, 1530007.	1.0	251
35	Charmonium dissociation and heavy quark transport in hot quenched lattice QCD. EPJ Web of Conferences, 2014, 70, 00061.	0.3	2
36	QCD chiral transition, spectrum using domain wall fermions. Physical Review D, 2014, 89, .		

#	ARTICLE	IF	CITATIONS
37	Hard and thermal probes of QGP from the perspective of lattice QCD. Nuclear Physics A, 2014, 932, 500-507.	1.5	3
38	Recent lattice QCD results and phase diagram of strongly interacting matter. Nuclear Physics A, 2014, 931, 52-62.	1.5	11
39	Equation of state in ($\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}$) $T_j \text{ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 6$ QCD. Physical Review D, 2014, 90, .	4.7	694
40	The melting and abundance of open charm hadrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 737, 210-215.	4.1	68
41	QCD Phase Transition with Chiral Quarks and Physical Quark Masses. Physical Review Letters, 2014, 113, 082001.	7.8	286
42	Additional Strange Hadrons from QCD Thermodynamics and Strangeness Freezeout in Heavy Ion Collisions. Physical Review Letters, 2014, 113, 072001.	7.8	160
43	Momentum dependences of charmonium properties from lattice QCD. Nuclear Physics A, 2013, 904-905, 619c-622c.	1.5	8
44	Quark number susceptibilities at high temperatures. Physical Review D, 2013, 88, .	4.7	55
45	Strangeness at High Temperatures: From Hadrons to Quarks. Physical Review Letters, 2013, 111, 082301.	7.8	92
46	Exploring QCD phase diagram at vanishing baryon density on the lattice. Journal of Physics: Conference Series, 2013, 432, 012027.	0.4	4
47	Chiral transition and ($\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ display="inline") $U \rightarrow U'$ ($\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ stretchy="false") ($\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ mml:mn $1 \rightarrow 0$ $\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}$ mml:msub mml:mo) $T_j \text{ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 367 Td (strange)$ lattice QCD using domain wall fermions. Physical Review D, 2012, 86, .	4.7	367
48	Fluctuations and correlations of net baryon number, electric charge, and strangeness: A comparison of lattice QCD results with the hadron resonance gas model. Physical Review D, 2012, 86, .	4.7	211
49	Chiral and deconfinement aspects of the QCD transition. Physical Review D, 2012, 85, .	4.7	752
50	Charmonium properties in hot quenched lattice QCD. Physical Review D, 2012, 86, .	4.7	133
51	Quark number susceptibilities and color screening at high temperatures. Journal of Physics: Conference Series, 2012, 389, 012017.	0.4	2
52	Freeze-Out Conditions in Heavy Ion Collisions from QCD Thermodynamics. Physical Review Letters, 2012, 109, 192302.	7.8	222
53	In-medium hadron properties from lattice QCD. EPJ Web of Conferences, 2012, 36, 00008.	0.3	3
54	Thermal dilepton rate and electrical conductivity: An analysis of vector current correlation functions in quenched lattice QCD. Physical Review D, 2011, 83, .	4.7	206

#	ARTICLE	IF	CITATIONS
55	Heavy quark diffusion from lattice QCD spectral functions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2011, 38, 124070.	3.6	20
56	Heavy-quark energy loss observed via muon spectra in Pb–Pb collisions at $\sqrt{s_{\text{NN}}} = 5.5$, {m TeV}. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2009, 36, 064055.	3.6	1
57	Effect of heavy-quark energy loss on the muon differential production cross section in Pb–Pb collisions at $\sqrt{s_{\text{NN}}} = 5.5$, {m TeV}. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 663, 292–298.	4.1	12
58	Heavy-ion collisions at the LHC—Last call for predictions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2008, 35, 054001.	3.6	255
59	STUDYING THE ENERGY LOSS OF HEAVY QUARKS VIA SINGLE MUON PRODUCTION IN PbPb COLLISIONS AT $\sqrt{s_{\text{NN}}} = 5.5$ {m TeV}. <i>International Journal of Modern Physics E</i> , 2007, 16, 2041–2047.	1.0	3