

# Masakiyo Kitazawa

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4890313/publications.pdf>

Version: 2024-02-01

58  
papers

1,540  
citations

279798

23  
h-index

315739

38  
g-index

64  
all docs

64  
docs citations

64  
times ranked

621  
citing authors

#	ARTICLE	IF	CITATIONS
1	Classifying topological charge in SU(3) Yang-Mills theory with machine learning. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	3
2	Critical fluctuations in a dynamically expanding heavy-ion collision. Nuclear Physics A, 2021, 1005, 121797.	1.5	6
3	Latent heat and pressure gap at the first-order deconfining phase transition of SU(3) Yang-Mills theory using the small flow-time expansion method. Progress of Theoretical and Experimental Physics, 2021, 2021, .	6.6	8
4	Finite-size scaling around the critical point in the heavy quark region of QCD. Physical Review D, 2021, 104, .	4.7	6
5	End point of the first-order phase transition of QCD in the heavy quark region by reweighting from quenched QCD. Physical Review D, 2020, 101, .	4.7	14
6	Dynamics of critical fluctuations: Theory - phenomenology - heavy-ion collisions. Nuclear Physics A, 2020, 1003, 122016.	1.5	54
7	$\langle N_f \rangle = 2 \langle N_f \rangle$ QCD thermodynamics with gradient flow using two-loop matching coefficients. Physical Review D, 2020, 102, .	4.7	15
8	Issues with the search for critical point in QCD with relativistic heavy ion collisions. Physical Review C, 2020, 101, .	2.9	10
9	Dynamically Integrated Transport Model for High-energy Nuclear Collisions at $(3 \sqrt{s_{NN}} \lesssim 30) \text{ GeV}$ . , 2020, , .		0
10	Distribution of energy-momentum tensor around a static quark in the deconfined phase of SU(3) Yang-Mills theory. Physical Review D, 2020, 102, .	4.7	5
11	Pileup corrections on higher-order cumulants. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 984, 164632.	1.6	8
12	Anisotropic pressure induced by finite-size effects in SU(3) Yang-Mills theory. Physical Review D, 2019, 99, .	4.7	24
13	A study of stress-tensor distribution around the flux tube in the Abelian-Higgs model. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	14
14	Distribution of stress tensor around static quark-anti-quark from Yang-Mills gradient flow. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 210-214.	4.1	28
15	Thermodynamics in quenched QCD: energy-momentum tensor with two-loop order coefficients in the gradient-flow formalism. Progress of Theoretical and Experimental Physics, 2019, 2019, .	6.6	24
16	Equation of state near the first order phase transition point of SU(3) gauge theory using gradient flow. , 2019, , .		1
17	Study of energy-momentum tensor correlation function in $N_f=2+1$ full QCD for QGP viscosities. , 2019, , .		1
18	Energy-momentum tensor correlation function in $N_f = 2 + 1$ full QCD at finite temperature. EPJ Web of Conferences, 2018, 175, 07013.	0.3	8

#	ARTICLE	IF	CITATIONS
19	Equation of state in (2+1)-flavor QCD at physical point with improved Wilson fermion action using gradient flow. EPJ Web of Conferences, 2018, 175, 07023.	0.3	6
20	Dynamically integrated transport approach for heavy-ion collisions at high baryon density. Physical Review C, 2018, 98, .	2.9	47
21	Photon production spectrum above $T_c$ with a lattice quark propagator. Progress of Theoretical and Experimental Physics, 2018, 2018, .	6.6	0
22	A general procedure for detector response correction of higher order cumulants. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2018, 906, 10-17.	1.6	16
23	Properties and uses of factorial cumulants in relativistic heavy-ion collisions. Physical Review C, 2017, 96, .	2.9	33
24	In-medium dispersion relations of charmonia studied by the maximum entropy method. Physical Review D, 2017, 95, .	4.7	19
25	Exploring $\langle \langle N^2 \rangle \rangle$ response correction of higher order cumulants. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 906, 10-17.	1.6	16
26	More efficient formulas for efficiency correction of cumulants and effect of using averaged efficiency. Physical Review C, 2017, 95, .	2.9	42
27	Dynamical evolution of critical fluctuations and its observation in heavy ion collisions. Physical Review C, 2017, 95, .	2.9	24
28	Correlations of the energy-momentum tensor via gradient flow in SU(3) Yang-Mills theory at finite temperature. Physical Review D, 2017, 96, .	4.7	24
29	Thermal blurring of event-by-event fluctuations generated by rapidity conversion. Physical Review C, 2016, 94, .	2.9	22
30	Fluctuations of conserved charges in relativistic heavy ion collisions: An introduction. Progress in Particle and Nuclear Physics, 2016, 90, 299-342.	14.4	84
31	Efficient formulas for efficiency correction of cumulants. Physical Review C, 2016, 93, .	2.9	28
32	Latent heat at the first order phase transition point of SU(3) gauge theory. Physical Review D, 2016, 94, .	4.7	15
33	Equation of state for SU(3) gauge theory via the energy-momentum tensor under gradient flow. Physical Review D, 2016, 94, .	4.7	57
34	Importance of third moments of fluctuations of conserved charges in relativistic heavy-ion collisions. European Physical Journal A, 2016, 52, 1.	2.5	0
35	Dilepton production spectrum above $T_c$ with a lattice quark propagator. Physical Review D, 2015, 92, .	4.7	4
36	Rapidity window dependences of higher order cumulants and diffusion master equation. Nuclear Physics A, 2015, 942, 65-96.	1.5	18

#	ARTICLE	IF	CITATIONS
37	Diffusion of non-Gaussianity in heavy ion collisions. Journal of Physics: Conference Series, 2014, 509, 012053.	0.4	0
38	Emergence of soft quark excitations by the coupling with a soft mode of the QCD critical point. Physical Review D, 2014, 90, .	4.7	4
39	Effects of global charge conservation on time evolution of cumulants of conserved charges in relativistic heavy ion collisions. Physical Review C, 2014, 90, .	2.9	32
40	Possible generation of anomalously soft quark excitations at nonzero temperature: Nonhyperbolic dispersion of the parapon and van Hove singularity. Physical Review D, 2014, 89, .	4.7	5
41	Fluctuations and QCD phase structure. Nuclear Physics A, 2014, 931, 92-102.	1.5	3
42	Thermodynamics of $SU(3)$ gauge theory at finite temperature. Physical Review D, 2014, 90, .	4.7	62
43	Non-equilibrium time evolution of higher order cumulants of conserved charges and event-by-event analysis. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 728, 386-392.	4.1	37
44	Effect of secondary protons on baryon and proton number cumulants in event-by-event analysis. Physical Review C, 2013, 87, .	2.9	6
45	Relation between baryon number fluctuations and experimentally observed proton number fluctuations in relativistic heavy ion collisions. Physical Review C, 2012, 86, .	2.9	106
46	Revealing baryon number fluctuations from proton number fluctuations in relativistic heavy ion collisions. Physical Review C, 2012, 85, .	2.9	108
47	Thermal mass and dispersion relations of quarks in the deconfined phase of quenched QCD. Physical Review D, 2012, 86, .	4.7	12
48	Third moments of conserved charges in phase diagram of QCD. , 2011, , .		0
49	Quark propagator at finite temperature and finite momentum in quenched lattice QCD. Physical Review D, 2009, 80, .	4.7	39
50	Third Moments of Conserved Charges as Probes of QCD Phase Structure. Physical Review Letters, 2009, 103, 262301.	7.8	199
51	Spectral Properties of Quarks at Finite Temperature in Lattice QCD. Nuclear Physics A, 2009, 830, 223c-226c.	1.5	4
52	Spectral properties of massless and massive quarks coupled with massive boson at finite temperature. Physical Review D, 2008, 77, .	4.7	24
53	Chiral transition and mesonic excitations for quarks with thermal masses. Physical Review D, 2007, 75, .	4.7	4
54	Spectral properties of quarks above $T_c$ in quenched lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 658, 45-49.	4.1	26

#	ARTICLE	IF	CITATIONS
55	Quark spectrum above but near critical temperature of chiral transition. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 633, 269-274.	4.1	37
56	Quasiparticle Picture of Quarks near Chiral Phase Transition. Acta Physica Hungarica A Heavy Ion Physics, 2006, 27, 343-346.	0.4	1
57	Non-Fermi liquid behavior induced by resonant diquark-pair scattering in heated quark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 631, 157-163.	4.1	14
58	Scope and convergence of the hopping parameter expansion in finite temperature QCD with heavy quarks around the critical point. Progress of Theoretical and Experimental Physics, 0, , .	6.6	2