

Yoshimasa Hidaka

List of Publications by Year in descending order

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91
papers

2,815
citations

185998

28
h-index

182168

51
g-index

95
all docs

95
docs citations

95
times ranked

1127
citing authors

#	ARTICLE	IF	CITATIONS
1	Quarkyonic chiral spirals. Nuclear Physics A, 2010, 843, 37-58.	0.6	183
2	Magnetic Catalysis Versus Magnetic Inhibition. Physical Review Letters, 2013, 110, 031601.	2.9	172
3	Relativistic chiral kinetic theory from quantum field theories. Physical Review D, 2017, 95, .	1.6	151
4	Counting Rule for Nambu-Goldstone Modes in Nonrelativistic Systems. Physical Review Letters, 2013, 110, 091601.	2.9	117
5	Nonlinear responses of chiral fluids from kinetic theory. Physical Review D, 2018, 97, .	1.6	107
6	Charged vector mesons in a strong magnetic field. Physical Review D, 2013, 87, .	1.6	97
7	Axial kinetic theory and spin transport for fermions with arbitrary mass. Physical Review D, 2019, 100, .	1.6	92
8	Baryons and the phase diagram for a large number of colors and flavors. Nuclear Physics A, 2008, 808, 117-123.	0.6	91
9	Interweaving chiral spirals. Nuclear Physics A, 2012, 875, 94-138.	0.6	85
10	Production and Elliptic Flow of Dileptons and Photons in a Matrix Model of the Quark-Gluon Plasma. Physical Review Letters, 2015, 114, 072301.	2.9	77
11	Effective quantum kinetic theory for spin transport of fermions with collisional effects. Journal of High Energy Physics, 2020, 2020, 1.	1.6	75
12	Effective matrix model for deconfinement in pure gauge theories. Physical Review D, 2012, 86, .	1.6	67
13	Lefschetz-thimble analysis of the sign problem in one-site fermion model. New Journal of Physics, 2016, 18, 033002.	1.2	64
14	Electric Conductivity of Hot and Dense Quark Matter in a Magnetic Field with Landau Level Resummation via Kinetic Equations. Physical Review Letters, 2018, 120, 162301.	2.9	63
15	Suppression of the shear viscosity in a semi-quark-gluon plasma. Physical Review D, 2008, 78, .	1.6	62
16	Model study of the sign problem in the mean-field approximation. Physical Review D, 2007, 75, .	1.6	60
17	Two-color quark matter: $U(1)$ restoration, superfluidity, and quarkyonic phase. Physical Review D, 2009, 80, .	1.6	57
18	How wide is the transition to deconfinement?. Physical Review D, 2011, 83, .	1.6	56

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19	Relativistic hydrodynamics from quantum field theory on the basis of the generalized Gibbs ensemble method. <i>Physical Review D</i> , 2015, 92, .	1.6	49
20	Phonons, pions, and quasi-long-range order in spatially modulated chiral condensates. <i>Physical Review D</i> , 2015, 92, .	1.6	47
21	Nonequilibrium chiral magnetic/vortical effects in viscous fluids. <i>Physical Review D</i> , 2018, 98, .	1.6	47
22	Global 3-group symmetry and $\hat{\epsilon}^{\text{TMt}}$ Hooft anomalies in axion electrodynamics. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	46
23	Small shear viscosity in the semiquark gluon plasma. <i>Physical Review D</i> , 2010, 81, .	1.6	44
24	Higher-form symmetries and 3-group in axion electrodynamics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135672.	1.5	36
25	Initial energy density and gluon distribution from the glasma in heavy-ion collisions. <i>Physical Review C</i> , 2009, 79, .	1.1	35
26	Dilepton and photon production in the presence of a nontrivial Polyakov loop. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	33
27	Hard thermal loops, to quadratic order, in the background of a spatial $\hat{\epsilon}^{\text{TMt}}$ Hooft loop. <i>Physical Review D</i> , 2009, 80, .	1.6	31
28	Light projectile scattering off the Color Glass Condensate. <i>Journal of High Energy Physics</i> , 2007, 2007, 040-040.	1.6	30
29	Deconfining phase boundary of rapidly rotating hot and dense matter and analysis of moment of inertia. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 816, 136184.	1.5	28
30	Complex saddle points and the sign problem in complex Langevin simulation. <i>Nuclear Physics B</i> , 2016, 911, 94-105.	0.9	27
31	Wigner functions and quantum kinetic theory of polarized photons. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	1.6	27
32	Dispersion relations of Nambu-Goldstone modes at finite temperature and density. <i>Physical Review D</i> , 2015, 91, .	1.6	26
33	Topological axion electrodynamics and 4-group symmetry. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 823, 136762.	1.5	26
34	Magnetic Shift of the Chemical Freeze-out and Electric Charge Fluctuations. <i>Physical Review Letters</i> , 2016, 117, 102301.	2.9	25
35	Ultrasoft fermionic modes at high temperature. <i>Nuclear Physics A</i> , 2012, 876, 93-108.	0.6	24
36	Spontaneous symmetry breaking and Nambu-Goldstone modes in dissipative systems. <i>Physical Review E</i> , 2018, 97, .	0.8	24

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37	Zero point energy of renormalized Wilson loops. Physical Review D, 2009, 80, .	1.6	22
38	Renormalized linear kinetic theory as derived from quantum field theory: A novel diagrammatic method for computing transport coefficients. Physical Review D, 2011, 83, .	1.6	22
39	U	1.6	22
40	No-Go Theorem for Critical Phenomena in Large- N QCD. Physical Review Letters, 2012, 108, 121601.	2.9	21
41	Viscoelastic-electromagnetism and Hall viscosity. Progress of Theoretical and Experimental Physics, 2013, 2013, 13A02-0.	1.8	20
42	Effective field theory for spacetime symmetry breaking. Physical Review D, 2015, 92, .	1.6	20
43	Broken spacetime symmetries and elastic variables. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 195-199.	1.5	19
44	Counting Nambu-Goldstone Modes of Higher-Form Global Symmetries. Physical Review Letters, 2021, 126, 071601.	2.9	17
45	Relativistic hydrodynamics from the projection operator method. Physical Review E, 2013, 87, 023007.	0.8	16
46	Non-Equilibrium Quantum Transport of Chiral Fluids from Kinetic Theory. Nuclear Physics A, 2019, 982, 547-550.	0.6	16
47	Global 4-group symmetry and θ Hooft anomalies in topological axion electrodynamics. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	16
48	Two-gluon production and longitudinal correlations in the Color Glass Condensate. Nuclear Physics A, 2008, 813, 171-197.	0.6	15
49	Resummation for the field-theoretical derivation of the negative magnetoresistance. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
50	Momentum dependence of the spectral functions in the $O(4)$ linear sigma model at finite temperature. Physical Review D, 2003, 67, .	1.6	14
51	Renormalization group equations in a model of generalized hidden local symmetry and restoration of chiral symmetry. Physical Review D, 2006, 73, .	1.6	14
52	Spontaneous symmetry breaking and Nambu-Goldstone modes in open classical and quantum systems. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	14
53	Emergent discrete 3-form symmetry and domain walls. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 803, 135290.	1.5	14
54	Second order chiral kinetic theory under gravity and antiparallel charge-energy flow. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14

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55	Spectral function of a fermion coupled with a massive vector boson at finite temperature in a gauge invariant formalism. Physical Review D, 2011, 83, .	1.6	12
56	The dichotomous nucleon: Some radical conjectures for the large N_c limit. Nuclear Physics A, 2011, 852, 155-174.	0.6	12
57	Restricted phase-space approximation in real-time stochastic quantization. Annals of Physics, 2015, 353, 107-128.	1.0	12
58	Spectral properties of the Goldstino in supersymmetric Bose-Fermi mixtures. Physical Review A, 2015, 92, .	1.0	11
59	Jarzynski-Type Equalities in Gambling: Role of Information in Capital Growth. Journal of Statistical Physics, 2015, 161, 721-742.	0.5	10
60	Anomaly-Induced Transport Phenomena from Imaginary-Time Formalism. Particles, 2019, 2, 261-280.	0.5	10
61	Diagnosis of information scrambling from Hamiltonian evolution under decoherence. Physical Review D, 2021, 104, .	1.6	10
62	Thermal sunset diagram for scalar field theories. Physical Review D, 2003, 68, .	1.6	9
63	Effect of the pion thermal width on the sigma spectrum. Physical Review D, 2003, 68, .	1.6	9
64	General formulae for dipole Wilson line correlators with the Color Glass Condensate. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
65	Goldstino in supersymmetric Bose-Fermi mixtures in the presence of a Bose-Einstein condensate. Physical Review A, 2017, 96, .	1.0	8
66	Fast Vacuum Decay into Quark Pairs in Strong Color Electric and Magnetic Fields. AIP Conference Proceedings, 2011, , .	0.3	7
67	Temporal chiral spiral in QCD in the presence of strong magnetic fields. Physical Review D, 2014, 89, .	1.6	7
68	Structural reduction of chemical reaction networks based on topology. Physical Review Research, 2021, 3, .	1.3	7
69	Two-pion bound state in the sigma channel at finite temperature. Physical Review D, 2004, 70, .	1.6	6
70	$\hat{1}\pm$ -cluster structure and density waves in oblate nuclei. Physical Review C, 2011, 84, .	1.1	6
71	Thermalization of Yang-Mills theory in a $(\frac{1}{2}T)_{\text{ETQq1}} \approx 0.784314 \text{ rgBT} / \text{Overlock } 10 \text{ Tf } 50 \text{ 112 Td}$ (xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll")	1.6	6
72	Kinetic derivation of generalized phase space Chern-Simons theory. Physical Review B, 2017, 95, .	1.1	5

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73	Chiral transition and mesonic excitations for quarks with thermal masses. Physical Review D, 2007, 75, .	1.6	4
74	Production of dilepton/photon in semi-quark gluon plasma. Nuclear Physics A, 2014, 931, 681-685.	0.6	4
75	Image-processing the topological charge density in the $\mathbb{C}P^{N-1}$ model. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	4
76	Goldstino spectrum in an ultracold Bose-Fermi mixture with explicitly broken supersymmetry. Physical Review Research, 2021, 3, .	1.3	4
77	Suppression of the shear viscosity near the critical temperature in hot QCD. Nuclear Physics A, 2009, 820, 91c-94c.	0.6	3
78	Neutrino spectral density at electroweak scale temperature. Physical Review D, 2013, 88, .	1.6	3
79	Sign problem and the chiral spiral on the finite density lattice. Physical Review D, 2014, 89, .	1.6	3
80	Kinetic theory and anomalous transports in the presence of nonabelian phase-space Berry curvatures. Progress of Theoretical and Experimental Physics, 2017, 2017, .	1.8	3
81	Computation of transport coefficients around critical point based on novel diagrammatic method. Journal of Physics: Conference Series, 2011, 270, 012050.	0.3	2
82	Off-diagonal kinetic theory in ultrasoft momentum region at high temperature. Physical Review D, 2012, 85, .	1.6	2
83	Rainbow Nambu-Goldstone Modes under a Shear Flow. Physical Review Letters, 2021, 126, 141601.	2.9	2
84	Fermion spectrum at ultrasoft region in a hot QED/QCD plasma. , 2012, , .		1
85	Some exact results on the QCD critical point. Journal of Physics: Conference Series, 2013, 432, 012017.	0.3	1
86	SPECTRUM OF SOFT MODE WITH THERMAL MASS OF QUARKS ABOVE CRITICAL TEMPERATURE. International Journal of Modern Physics E, 2007, 16, 2394-2399.	0.4	0
87	Suppression of the Shear Viscosity as QCD Cools into a Confining Phase. Progress of Theoretical Physics Supplement, 2008, 174, 228-232.	0.2	0
88	Quarkyonic Chiral Spirals. , 2010, , .		0
89	Spontaneous symmetry breaking and Nambu-Goldstone modes in QCD matter. AIP Conference Proceedings, 2016, , .	0.3	0
90	Classification of magnetic vortices by angular momentum conservation. Physical Review Research, 2021, 3, .	1.3	0

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91	Lattice Lindblad simulation. Progress of Theoretical and Experimental Physics, 0, , .	1.8	0