

# 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	Global 4-group symmetry and $\mathbb{Z}_2$ Hooft anomalies in topological axion electrodynamics. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	16
2	Goldstino spectrum in an ultracold Bose-Fermi mixture with explicitly broken supersymmetry. Physical Review Research, 2021, 3, .	1.3	4
3	Global 3-group symmetry and $\mathbb{Z}_2$ Hooft anomalies in axion electrodynamics. Journal of High Energy Physics, 2021, 2021, 1.	1.6	46
4	Wigner functions and quantum kinetic theory of polarized photons. Journal of High Energy Physics, 2021, 2021, 1.	1.6	27
5	Counting Nambu-Goldstone Modes of Higher-Form Global Symmetries. Physical Review Letters, 2021, 126, 071601.	2.9	17
6	Rainbow Nambu-Goldstone Modes under a Shear Flow. Physical Review Letters, 2021, 126, 141601.	2.9	2
7	Deconfining phase boundary of rapidly rotating hot and dense matter and analysis of moment of inertia. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136184.	1.5	28
8	Thermalization of Yang-Mills theory in a ( $\mathbb{Z}_2$ ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 472 Td (xmlns:mml="http://www.w3.org/1999/xm	1.6	6
9	Second order chiral kinetic theory under gravity and antiparallel charge-energy flow. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
10	Classification of magnetic vortices by angular momentum conservation. Physical Review Research, 2021, 3, .	1.3	0
11	Diagnosis of information scrambling from Hamiltonian evolution under decoherence. Physical Review D, 2021, 104, .	1.6	10
12	Topological axion electrodynamics and 4-group symmetry. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 823, 136762.	1.5	26
13	Structural reduction of chemical reaction networks based on topology. Physical Review Research, 2021, 3, .	1.3	7
14	Higher-form symmetries and 3-group in axion electrodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135672.	1.5	36
15	Spontaneous symmetry breaking and Nambu-Goldstone modes in open classical and quantum systems. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	14
16	Effective quantum kinetic theory for spin transport of fermions with collisional effects. Journal of High Energy Physics, 2020, 2020, 1.	1.6	75
17	Image-processing the topological charge density in the $\mathbb{Z}_2$ P <sup>N-1</sup> model. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	4
18	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

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19	Resummation for the field-theoretical derivation of the negative magnetoresistance. Journal of High Energy Physics, 2020, 2020, 1.	1.6	15
20	Non-Equilibrium Quantum Transport of Chiral Fluids from Kinetic Theory. Nuclear Physics A, 2019, 982, 547-550.	0.6	16
21	Anomaly-Induced Transport Phenomena from Imaginary-Time Formalism. Particles, 2019, 2, 261-280. Topological order in the color-flavor locked phase of a $(\text{Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 647 Td (xmlns:mml="http://w$	0.5	10
22	$\langle U \rangle$	1.6	22
23	Axial kinetic theory and spin transport for fermions with arbitrary mass. Physical Review D, 2019, 100, .	1.6	92
24	Spontaneous symmetry breaking and Nambu-Goldstone modes in dissipative systems. Physical Review E, 2018, 97, .	0.8	24
25	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
26	Nonlinear responses of chiral fluids from kinetic theory. Physical Review D, 2018, 97, .	1.6	107
27	Nonequilibrium chiral magnetic/vortical effects in viscous fluids. Physical Review D, 2018, 98, .	1.6	47
28	Kinetic derivation of generalized phase space Chern-Simons theory. Physical Review B, 2017, 95, .	1.1	5
29	Relativistic chiral kinetic theory from quantum field theories. Physical Review D, 2017, 95, .	1.6	151
30	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
31	General formulae for dipole Wilson line correlators with the Color Glass Condensate. Journal of High Energy Physics, 2017, 2017, 1.	1.6	9
32	Goldstino in supersymmetric Bose-Fermi mixtures in the presence of a Bose-Einstein condensate. Physical Review A, 2017, 96, .	1.0	8
33	Lefschetz-thimble analysis of the sign problem in one-site fermion model. New Journal of Physics, 2016, 18, 033002.	1.2	64
34	Complex saddle points and the sign problem in complex Langevin simulation. Nuclear Physics B, 2016, 911, 94-105.	0.9	27
35	Magnetic Shift of the Chemical Freeze-out and Electric Charge Fluctuations. Physical Review Letters, 2016, 117, 102301.	2.9	25
36	Spontaneous symmetry breaking and Nambu-Goldstone modes in QCD matter. AIP Conference Proceedings, 2016, .	0.3	0

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37	Spectral properties of the Goldstino in supersymmetric Bose-Fermi mixtures. <i>Physical Review A</i> , 2015, 92, .	1.0	11
38	Effective field theory for spacetime symmetry breaking. <i>Physical Review D</i> , 2015, 92, .	1.6	20
39	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
40	Phonons, pions, and quasi-long-range order in spatially modulated chiral condensates. <i>Physical Review D</i> , 2015, 92, .	1.6	47
41	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
42	Dispersion relations of Nambu-Goldstone modes at finite temperature and density. <i>Physical Review D</i> , 2015, 91, .	1.6	26
43	Production and Elliptic Flow of Dileptons and Photons in a Matrix Model of the Quark-Gluon Plasma. <i>Physical Review Letters</i> , 2015, 114, 072301.	2.9	77
44	Jarzynski-Type Equalities in Gambling: Role of Information in Capital Growth. <i>Journal of Statistical Physics</i> , 2015, 161, 721-742.	0.5	10
45	Restricted phase-space approximation in real-time stochastic quantization. <i>Annals of Physics</i> , 2015, 353, 107-128.	1.0	12
46	Temporal chiral spiral in QCD in the presence of strong magnetic fields. <i>Physical Review D</i> , 2014, 89, .	1.6	7
47	Sign problem and the chiral spiral on the finite density lattice. <i>Physical Review D</i> , 2014, 89, .	1.6	3
48	Production of dilepton/photon in semi-quark gluon plasma. <i>Nuclear Physics A</i> , 2014, 931, 681-685.	0.6	4
49	Broken spacetime symmetries and elastic variables. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 735, 195-199.	1.5	19
50	Charged vector mesons in a strong magnetic field. <i>Physical Review D</i> , 2013, 87, .	1.6	97
51	Neutrino spectral density at electroweak scale temperature. <i>Physical Review D</i> , 2013, 88, .	1.6	3
52	Magnetic Catalysis Versus Magnetic Inhibition. <i>Physical Review Letters</i> , 2013, 110, 031601.	2.9	172
53	Relativistic hydrodynamics from the projection operator method. <i>Physical Review E</i> , 2013, 87, 023007.	0.8	16
54	Counting Rule for Nambu-Goldstone Modes in Nonrelativistic Systems. <i>Physical Review Letters</i> , 2013, 110, 091601.	2.9	117

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55	Viscoelastic-electromagnetism and Hall viscosity. Progress of Theoretical and Experimental Physics, 2013, 2013, 13A02-0.	1.8	20
56	Some exact results on the QCD critical point. Journal of Physics: Conference Series, 2013, 432, 012017.	0.3	1
57	Fermion spectrum at ultrasoft region in a hot QED/QCD plasma. , 2012, , .		1
58	Effective matrix model for deconfinement in pure gauge theories. Physical Review D, 2012, 86, .	1.6	67
59	No-Go Theorem for Critical Phenomena in Large- $\langle N \rangle_c$ QCD. Physical Review Letters, 2012, 108, 121601.	2.9	21
60	Off-diagonal kinetic theory in ultrasoft momentum region at high temperature. Physical Review D, 2012, 85, .	1.6	2
61	Interweaving chiral spirals. Nuclear Physics A, 2012, 875, 94-138.	0.6	85
62	Ultrasoft fermionic modes at high temperature. Nuclear Physics A, 2012, 876, 93-108.	0.6	24
63	Computation of transport coefficients around critical point based on novel diagrammatic method. Journal of Physics: Conference Series, 2011, 270, 012050.	0.3	2
64	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
65	The dichotomous nucleon: Some radical conjectures for the large $\langle N \rangle_c$ limit. Nuclear Physics A, 2011, 852, 155-174.	0.6	12
66	Fast Vacuum Decay into Quark Pairs in Strong Color Electric and Magnetic Fields. AIP Conference Proceedings, 2011, , .	0.3	7
67	How wide is the transition to deconfinement?. Physical Review D, 2011, 83, .	1.6	56
68	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
69	$\hat{I}_{\pm}$ -cluster structure and density waves in oblate nuclei. Physical Review C, 2011, 84, .	1.1	6
70	Small shear viscosity in the semiquark gluon plasma. Physical Review D, 2010, 81, .	1.6	44
71	Quarkyonic chiral spirals. Nuclear Physics A, 2010, 843, 37-58.	0.6	183
72	Quarkyonic Chiral Spirals. , 2010, , .		0

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73	Initial energy density and gluon distribution from the glasma in heavy-ion collisions. Physical Review C, 2009, 79, .	1.1	35
74	Two-color quark matter: $U(1)$ restoration, superfluidity, and quarkyonic phase. Physical Review D, 2009, 80, .	1.6	57
75	Suppression of the shear viscosity near the critical temperature in hot QCD. Nuclear Physics A, 2009, 820, 91c-94c.	0.6	3
76	Zero point energy of renormalized Wilson loops. Physical Review D, 2009, 80, .	1.6	22
77	Hard thermal loops, to quadratic order, in the background of a spatial $\hat{a}^{\text{TM}}$ Hooft loop. Physical Review D, 2009, 80, .	1.6	31
78	Baryons and the phase diagram for a large number of colors and flavors. Nuclear Physics A, 2008, 808, 117-123.	0.6	91
79	Two-gluon production and longitudinal correlations in the Color Glass Condensate. Nuclear Physics A, 2008, 813, 171-197.	0.6	15
80	Suppression of the shear viscosity in a $\hat{a}$ semi- $\hat{a}$ quark-gluon plasma. Physical Review D, 2008, 78, .	1.6	62
81	Suppression of the Shear Viscosity as QCD Cools into a Confining Phase. Progress of Theoretical Physics Supplement, 2008, 174, 228-232.	0.2	0
82	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
83	Light projectile scattering off the Color Glass Condensate. Journal of High Energy Physics, 2007, 2007, 040-040.	1.6	30
84	Model study of the sign problem in the mean-field approximation. Physical Review D, 2007, 75, .	1.6	60
85	Chiral transition and mesonic excitations for quarks with thermal masses. Physical Review D, 2007, 75, .	1.6	4
86	Renormalization group equations in a model of generalized hidden local symmetry and restoration of chiral symmetry. Physical Review D, 2006, 73, .	1.6	14
87	Two-pion bound state in the sigma channel at finite temperature. Physical Review D, 2004, 70, .	1.6	6
88	Momentum dependence of the spectral functions in the $O(4)$ linear sigma model at finite temperature. Physical Review D, 2003, 67, .	1.6	14
89	Thermal sunset diagram for scalar field theories. Physical Review D, 2003, 68, .	1.6	9
90	Effect of the pion thermal width on the sigma spectrum. Physical Review D, 2003, 68, .	1.6	9

#	ARTICLE	IF	CITATIONS
91	Lattice Lindblad simulation. Progress of Theoretical and Experimental Physics, 0, , .	1.8	0