

# Yuji Hirono

## List of Publications by Year in descending order

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27  
papers

601  
citations

623734

14  
h-index

580821

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g-index

27  
all docs

27  
docs citations

27  
times ranked

447  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vortices and other topological solitons in dense quark matter. Progress of Theoretical and Experimental Physics, 2014, 2014, .	6.6	103
2	Self-similar inverse cascade of magnetic helicity driven by the chiral anomaly. Physical Review D, 2015, 92, .	4.7	80
3	Magnetic fields in heavy ion collisions: flow and charge transport. European Physical Journal C, 2020, 80, 1.	3.9	63
4	Estimation of the electric conductivity of the quark gluon plasma via asymmetric heavy-ion collisions. Physical Review C, 2014, 90, .	2.9	60
5	Quark-Hadron Continuity beyond the Ginzburg-Landau Paradigm. Physical Review Letters, 2019, 122, 212001.	7.8	35
6	Exchange fluctuation theorem for correlated quantum systems. Physical Review E, 2015, 92, 042113.	2.1	26
7	Magnetohydrodynamics with chiral anomaly: Phases of collective excitations and instabilities. Physical Review D, 2019, 100, .	4.7	25
8	Topological interactions of non-Abelian vortices with quasiparticles in high density QCD. Physical Review D, 2011, 83, .	4.7	23
9	the color-flavor locked phase of a ( $U(1) \times SU(2) \times SU(3)$ ) gauge theory	4.7	22
10	Viscoelastic-electromagnetism and Hall viscosity. Progress of Theoretical and Experimental Physics, 2013, 2013, 13A02-0.	6.6	20
11	Non-Abelian statistics of vortices with multiple Majorana fermions. Physical Review B, 2012, 86, .	3.2	17
12	Quantized Chiral Magnetic Current from Reconnections of Magnetic Flux. Physical Review Letters, 2016, 117, 172301.	7.8	17
13	Counting Nambu-Goldstone Modes of Higher-Form Global Symmetries. Physical Review Letters, 2021, 126, 071601.	7.8	17
14	Anisotropic Optical Response of Dense Quark Matter under Rotation: Compact Stars as Cosmic Polarizers. Physical Review Letters, 2012, 109, 062501.	7.8	16
15	Effective gauge theories of superfluidity with topological order. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
16	Heavy quarkonia in a bulk viscous medium. Journal of High Energy Physics, 2020, 2020, 1.	4.7	12
17	Domain walls and vortices in chiral symmetry breaking. Progress of Theoretical and Experimental Physics, 2014, 2014, 33B01-0.	6.6	10
18	Jarzynski-Type Equalities in Gambling: Role of Information in Capital Growth. Journal of Statistical Physics, 2015, 161, 721-742.	1.2	10

#	ARTICLE	IF	CITATIONS
19	Dynamics of Vortices in Chiral Media: The Chiral Propulsion Effect. Physical Review Letters, 2018, 121, 142301.	7.8	7
20	Structural reduction of chemical reaction networks based on topology. Physical Review Research, 2021, 3, .	3.6	7
21	Effective field theories for gapless phases with fractons via a coset construction. Physical Review B, 2022, 105, .	3.2	7
22	New quantum effects in relativistic magnetohydrodynamics. Nuclear Physics A, 2017, 967, 840-843.	1.5	5
23	Chiral magnetohydrodynamics for heavy-ion collisions. Nuclear Physics A, 2017, 967, 233-240.	1.5	2
24	Higher-form symmetries and d -wave superconductors from doped Mott insulators. Physical Review B, 2019, 100, .	3.2	1
25	Non-Abelian Vortices, Majorana Fermions and Non-Abelian Statistics. , 2015, , .		1
26	Spectral functions of heavy quarkonia in a bulk-viscous quark gluon plasma. Journal of High Energy Physics, 2022, 2022, 1.	4.7	1
27	Structural Reduction of Hypergraphs Based on Topology. , 2021, , .		0