Takahiro Fukui

List of Publications by Year
in descending order

23	505	840776 11	677142 22
papers	citations	h-index	g-index

23	23	23	476
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Edge states of a diffusion equationÂin one dimension: Rapid heat conduction to the heat bath. Physical Review E, 2022, 105, 024137.	2.1	8
2	MoirÃ© Landau levels of a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>C</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:m -symmetric twisted bilayer system in the absence of a magnetic field. Physical Review B, 2022, 105, .	3.2	1
3	Diophantine Equation for the Riceâ€“Mele Model: Topological Aspect of Filling Numbers and Associated Spatial Pump. Journal of the Physical Society of Japan, 2021, 90, 093702.	1.6	0
4	Theory of edge states based on the Hermiticity of tight-binding Hamiltonian operators. Physical Review Research, 2020, 2, .	3.6	10
5	Entanglement polarization for the topological quadrupole phase. Physical Review B, 2018, 98, .	3.2	34
6	Entanglement Chern number for three-dimensional topological insulators: Characterization by Weyl points of entanglement Hamiltonians. Physical Review B, 2017, 96, .	3.2	5
7	Streda Formula for the Hofstadterâ€“Wilsonâ€“Dirac Model in Two and Four Dimensions. Journal of the Physical Society of Japan, 2016, 85, 124709.	1.6	3
8	A Spin Pump Characterized by Entanglement Chern Numbers. Journal of the Physical Society of Japan, 2016, 85, 083703.	1.6	2
9	Entanglement Chern Number of the Kaneâ€“Mele Model with Ferromagnetism. Journal of the Physical Society of Japan, 2016, 85, 043706.	1.6	5
10	Disentangled Topological Numbers by a Purification of Entangled Mixed States for Non-Interacting Fermion Systems. Journal of the Physical Society of Japan, 2015, 84, 043703.	1.6	11
11	Characterizing weak topological properties: Berry phase point of view. Physical Review B, 2014, 90, .	3.2	17
12	Entanglement Chern Number for an Extensive Partition of a Topological Ground State. Journal of the Physical Society of Japan, 2014, 83, 113705.	1.6	20
13	Symmetry Protected Weak Topological Phases in a Superlattice. Journal of the Physical Society of Japan, 2013, 82, 073708.	1.6	13
14	Bulk-Edge Correspondence for Chern Topological Phases: A Viewpoint from a Generalized Index Theorem. Journal of the Physical Society of Japan, 2012, 81, 114602.	1.6	50
15	Index theorem for topological heterostructure systems. Physical Review B, 2012, 86, .	3.2	9
16	Spherical topological insulator. Physical Review B, 2012, 86, .	3.2	52
17	Index theorem and Majorana zero modes along a non-Abelian vortex in a color superconductor. Physical Review D, 2011, 84, .	4.7	24
18	Majorana Fermions and Z2 Vortices on a Square Lattice. Journal of the Physical Society of Japan, 2011, 80, 123708.	1.6	2

#	Article	IF	Citations
19	Topological Stability of Majorana Zero Modes in Superconductorâ€“Topological Insulator Systems. Journal of the Physical Society of Japan, 2010, 79, 033701.	1.6	26
20	Quantization of Non-Abelian Berry Phase for Time-Reversal-Invariant Systems. Journal of the Physical Society of Japan, 2009, 78, 093001.	1.6	6
21	Topological Meaning of Z2 Numbers in Time Reversal Invariant Systems. Journal of the Physical Society of Japan, 2008, 77, 123705.	1.6	21
22	Topological analysis of the quantum Hall effect in graphene: Dirac-Fermi transition across van Hove singularities and edge versus bulk quantum numbers. Physical Review B, 2006, 74, .	3.2	176
23	Adiabatic Ground-State Properties of Spin Chains with Twisted Boundary Conditions. Journal of the Physical Society of Japan, 1996, 65, 2824-2829.	1.6	10