Tsuneya Yoshida

List of Publications by Year
in descending order

58 papers	1,796 citations	257429 24 h-index	265191 42 g-index
58 all docs	58 docs citations	58 times ranked	971 citing authors

#	Article	IF	Citations
1	Non-Hermitian topology in rockâ€“paperâ€“scissors games. Scientific Reports, 2022, 12, 560.	3.3	10
2	Topological <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" id="d1e1966" altimg="si162.svg"><mml:mi>d</mml:mi></mml:math>-wave superconductivity in two dimensions. Physica E: Low-Dimensional Systems and Nanostructures, 2022, 140, 115143.	2.7	5
3	Discriminant indicators with generalized inversion symmetry. Physical Review B, 2022, 105, .	3.2	5
4	Edge states of a diffusion equationÂin one dimension: Rapid heat conduction to the heat bath. Physical Review E, 2022, 105, 024137.	2.1	8
5	Discriminant indicator with generalized rotational symmetry. Physical Review B, 2022, 105, .	3.2	1
6	Observation of bulk-edge correspondence in topological pumping based on a tunable electric circuit. Communications Physics, 2022, 5, .	5.3	8
7	Bulk-edge correspondence of classical diffusion phenomena. Scientific Reports, 2021, 11, 888.	3.3	23
8	Exceptional points in the one-dimensional Hubbard model. New Journal of Physics, 2021, 23, 013011.	2.9	19
9	Square-root topological semimetals. Physical Review B, 2021, 103, .	3.2	28
10	Real-space dynamical mean field theory study of non-Hermitian skin effect for correlated systems: Analysis based on pseudospectrum. Physical Review B, 2021, 103, .	3.2	24
11	Machine Learning of Mirror Skin Effects in the Presence of Disorder. Journal of the Physical Society of Japan, 2021, 90, 053703.	1.6	4
12	Square-root topological phase with time-reversal and particle-hole symmetry. Physical Review B, 2021, 103, .	3.2	16
13	Correlation effects on non-Hermitian point-gap topology in zero dimension: Reduction of topological classification. Physical Review B, 2021, 104, .	3.2	10
14	Chiral edge modes in evolutionary game theory: A kagome network of rock-paper-scissors cycles. Physical Review E, 2021, 104, 025003.	2.1	14
15	Topological band theory of a generalized eigenvalue problem with Hermitian matrices: Symmetry-protected exceptional rings with emergent symmetry. Physical Review B, 2021, 104, .	3.2	5
16	Higher-order topological Mott insulator on the pyrochlore lattice. Scientific Reports, 2021, 11, 20270.	3.3	9
17	Symmetry-Protected Multifold Exceptional Points and Their Topological Characterization. Physical Review Letters, 2021, 127, 186602.	7.8	82
18	Surface exceptional points in a topological Kondo insulator. Physical Review B, 2021, 104, .	3.2	2

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19	Exceptional band touching for strongly correlated systems in equilibrium. Progress of Theoretical and Experimental Physics, 2020, 2020, .	6.6	38
20	Topological Modes Protected by Chiral and Two-Fold Rotational Symmetry in a Spring-Mass Model with a Lieb Lattice Structure. Journal of the Physical Society of Japan, 2020, 89, 083702.	1.6	5
21	Reflection-Symmetry Protected Antiferromagnetic Topological Insulator in Three-Dimensional Heavy-Fermion Systems. , 2020, , .		0
22	Higher-order topological phases in a spring-mass model on a breathing kagome lattice. Physical Review B, 2020, 101, .	3.2	48
23	Relationship between exceptional points and the Kondo effect in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>f</mml:mi></mml:math> -electron materials. Physical Review B, 2020, 101, .	3.2	32
24	Non-Hermitian topological Mott insulators in one-dimensional fermionic superlattices. Physical Review B, 2020, 102, .	3.2	47
25	Mirror skin effect and its electric circuit simulation. Physical Review Research, 2020, 2, .	3.6	86
26	Fate of fractional quantum Hall states in open quantum systems: Characterization of correlated topological states for the full Liouvillian. Physical Review Research, 2020, 2, .	3.6	39
27	Phase transitions and generalized biorthogonal polarization in non-Hermitian systems. Physical Review Research, 2020, 2, .	3.6	29
28	Quantum oscillations in strongly correlated topological Kondo insulators. Physical Review B, 2019, 100, .	3.2	19
29	Higher-Order Topological Mott Insulators. Physical Review Letters, 2019, 123, 196402.	7.8	68
30	Non-Hermitian fractional quantum Hall states. Scientific Reports, 2019, 9, 16895.	3.3	77
31	Chiral-symmetry protected exceptional torus in correlated nodal-line semimetals. Physical Review B, 2019, 100, .	3.2	48
32	Exceptional rings protected by emergent symmetry for mechanical systems. Physical Review B, 2019, 100, .	3.2	90
33	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:msub></mml:mrow> Topological Superconductivity in UCoGe. Physical Review Letters, 2019, 122, 227001.	7.8	26
34	Efficient method to compute <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi mathvariant="double-struck">Z</mml:mi><mml:mn>4</mml:mn></mml:msub></mml:math> indices with glide symmetry and applications to the MÃ¶bius materials CeNiSn and UCoGe. Physical Review B, 2019, 99, .	3.2	13
35	Symmetry-protected exceptional rings in two-dimensional correlated systems with chiral symmetry. Physical Review B, 2019, 99, .	3.2	205
36	Topological Properties of Magnetically Ordered Heavy-Fermion Systems in the Presence of Mirror Symmetry. Journal of the Physical Society of Japan, 2018, 87, 084705.	1.6	5

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37	Breakdown of topological Thouless pumping in the strongly interacting regime. Physical Review B, 2018, 98, .	3.2	33
38	Non-Hermitian perspective of the band structure in heavy-fermion systems. Physical Review B, 2018, 98, .	3.2	205
39	Magnetic states in a three-dimensional topological Kondo insulator. Physical Review B, 2018, 98, .	3.2	16
40	Reduction of Topological <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="double-struck">Z</mml:mi></mml:math> Classification in Cold-Atom Systems. Physical Review Letters, 2018, 121, 025301.	7.8	14
41	Reduction of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi mathvariant="double-struck">Z</mml:mi></mml:math> classification of a two-dimensional weak topological insulator: Real-space dynamical mean-field theory study. Physical Review B, 2017, 95, .	3.2	4
42	Fate of Majorana Modes in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>CeCoIn</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn> stretchy="false">/</mml:mo><mml:msub><mml:mrow><mml:mi>YbCoIn</mml:mi></mml:mrow><mml:mrow><mml:mn>5</mml:mn> Superlattices: A Test Bed for the Reduction of Topological Classification. Physical Review Letters, 2017, 118, 147001.	7.8	26
43	Topological edge Mott insulating state in two dimensions at finite temperatures: Bulk and edge analysis. Physical Review B, 2016, 94, .	3.2	17
44	Restoration of topological properties at finite temperatures in a heavy-fermion system. Physical Review B, 2016, 93, .	3.2	8
45	Coexistence of light and heavy surface states in a topological multiband Kondo insulator. Physical Review B, 2016, 93, .	3.2	34
46	Visualizing a bosonic symmetry protected topological phase in an interacting fermion model. Physical Review B, 2016, 94, .	3.2	14
47	Bosonic symmetry-protected topological phases with reflection symmetry. Physical Review B, 2015, 92, .	3.2	14
48	Correlation effects on topological crystalline insulators. Physical Review B, 2015, 92, .	3.2	24
49	Partial Kondo Screening in a Geometrically Frustrated Heavy Electron System. , 2014, , .		3
50	Characterization of a Topological Mott Insulator in One Dimension. Physical Review Letters, 2014, 112, 196404.	7.8	71
51	Topological Properties of Correlated Insulators in One Dimension. , 2014, , .		0
52	Topological phase in a two-dimensional metallic heavy-fermion system. Physical Review B, 2013, 87, .	3.2	15
53	Topological antiferromagnetic phase in a correlated Bernevig-Hughes-Zhang model. Physical Review B, 2013, 87, .	3.2	53
54	Correlation effects on a topological insulator at finite temperatures. Physical Review B, 2012, 85, .	3.2	75

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55	Study of Charge-Density-Wave Instability in Heavy Electron Systems. Journal of Physics: Conference Series, 2012, 391, 012170.	0.4	0
56	Interorbital correlation effects on heavy-electron systems. Physical Review B, 2012, 85, .	3.2	8
57	Antiferromagnetic Instability of an Extended Periodic Anderson Model in Large Dimensions â€“Continuous Time Quantum Monte Carlo Studyâ€“. Journal of the Physical Society of Japan, 2011, 80, SA140.	1.6	0
58	Effects of Conduction Electron Correlation on Heavy-Fermion Systems. Journal of the Physical Society of Japan, 2011, 80, 064710.	1.6	14