

Xiao-Gang Wen

List of Publications by Year in descending order

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177
papers

24,106
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13865

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177
times ranked

8981
citing authors

#	ARTICLE	IF	CITATIONS
1	Doping a Mott insulator: Physics of high-temperature superconductivity. <i>Reviews of Modern Physics</i> , 2006, 78, 17-85.	45.6	3,488
2	Detecting Topological Order in a Ground State Wave Function. <i>Physical Review Letters</i> , 2006, 96, 110405.	7.8	1,444
3	String-net condensation: A physical mechanism for topological phases. <i>Physical Review B</i> , 2005, 71, .	3.2	955
4	Topological orders and edge excitations in fractional quantum Hall states. <i>Advances in Physics</i> , 1995, 44, 405-473.	14.4	836
5	Symmetry protected topological orders and the group cohomology of their symmetry group. <i>Physical Review B</i> , 2013, 87, .	3.2	832
6	High-Temperature Fractional Quantum Hall States. <i>Physical Review Letters</i> , 2011, 106, 236802.	7.8	754
7	Quantum orders and symmetric spin liquids. <i>Physical Review B</i> , 2002, 65, .	3.2	745
8	Tensor-entanglement-filtering renormalization approach and symmetry-protected topological order. <i>Physical Review B</i> , 2009, 80, .	3.2	682
9	THEORY OF THE EDGE STATES IN FRACTIONAL QUANTUM HALL EFFECTS. <i>International Journal of Modern Physics B</i> , 1992, 06, 1711-1762.	2.0	673
10	Classification of gapped symmetric phases in one-dimensional spin systems. <i>Physical Review B</i> , 2011, 83, .	3.2	651
11	Local unitary transformation, long-range quantum entanglement, wave function renormalization, and topological order. <i>Physical Review B</i> , 2010, 82, .	3.2	579
12	Theory of Underdoped Cuprates. <i>Physical Review Letters</i> , 1996, 76, 503-506.	7.8	495
13	<i>Colloquium</i> : Zoo of quantum-topological phases of matter. <i>Reviews of Modern Physics</i> , 2017, 89, .	45.6	486
14	Symmetry-Protected Topological Orders in Interacting Bosonic Systems. <i>Science</i> , 2012, 338, 1604-1606.	12.6	477
15	Projected-Wave-Function Study of the Spin-1/2 Heisenberg Model on the Kagomé Lattice. <i>Physical Review Letters</i> , 2007, 98, 117205.	7.8	456
16	Paired Hall state at half filling. <i>Physical Review Letters</i> , 1991, 66, 3205-3208.	7.8	350
17	Complete classification of one-dimensional gapped quantum phases in interacting spin systems. <i>Physical Review B</i> , 2011, 84, .	3.2	304
18	Quantum Orders in an Exact Soluble Model. <i>Physical Review Letters</i> , 2003, 90, 016803.	7.8	286

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19	Unusual Superconducting State of Underdoped Cuprates. <i>Physical Review Letters</i> , 1997, 78, 4111-4114.	7.8	277
20	Neutral superfluid modes and \tilde{e}^{\pm} -magnetic \tilde{m}^{\pm} monopoles in multilayered quantum Hall systems. <i>Physical Review Letters</i> , 1992, 69, 1811-1814.	7.8	276
21	Two-dimensional symmetry-protected topological orders and their protected gapless edge excitations. <i>Physical Review B</i> , 2011, 84, .	3.2	262
22	Stability of $U(1)$ spin liquids in two dimensions. <i>Physical Review B</i> , 2004, 70, .	3.2	246
23	Edge transport properties of the fractional quantum Hall states and weak-impurity scattering of a one-dimensional charge-density wave. <i>Physical Review B</i> , 1991, 44, 5708-5719.	3.2	244
24	Quasiadiabatic continuation of quantum states: The stability of topological ground-state degeneracy and emergent gauge invariance. <i>Physical Review B</i> , 2005, 72, .	3.2	243
25	Properties of an algebraic spin liquid on the kagome lattice. <i>Physical Review B</i> , 2008, 77, .	3.2	232
26	Tensor-entanglement renormalization group approach as a unified method for symmetry breaking and topological phase transitions. <i>Physical Review B</i> , 2008, 78, .	3.2	213
27	Symmetry-protected topological orders for interacting fermions: Fermionic topological nonlinear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> \langle \text{mml:mi> \tilde{f} < /mml:mi> \langle /mml:math> models and a special group supercohomology theory. Physical Review B, 2014, 90, .$	3.2	206
28	$SU(2)$ formulation of the \tilde{J} model: Application to underdoped cuprates. <i>Physical Review B</i> , 1998, 57, 6003-6021.	3.2	199
29	Electron Spectral Function and Algebraic Spin Liquid for the Normal State of Underdoped High-Tc Superconductors. <i>Physical Review Letters</i> , 2001, 86, 3871-3874.	7.8	166
30	Gauge-invariant response functions of fermions coupled to a gauge field. <i>Physical Review B</i> , 1994, 50, 17917-17932.	3.2	156
31	Topological Entanglement Entropy and Reduced Density Matrix Structure. <i>Physical Review Letters</i> , 2009, 103, 261601.	7.8	155
32	Fermions, strings, and gauge fields in lattice spin models. <i>Physical Review B</i> , 2003, 67, .	3.2	153
33	Spin correlations in the algebraic spin liquid: Implications for high-Tc superconductors. <i>Physical Review B</i> , 2002, 66, .	3.2	150
34	Classifying gauge anomalies through symmetry-protected trivial orders and classifying gravitational anomalies through topological orders. <i>Physical Review D</i> , 2013, 88, .	4.7	138
35	Topological Surface States in Three-Dimensional Magnetic Insulators. <i>Physical Review Letters</i> , 2008, 101, 186805.	7.8	136
36	Field-Theory Representation of Gauge-Gravity Symmetry-Protected Topological Invariants, Group Cohomology, and Beyond. <i>Physical Review Letters</i> , 2015, 114, 031601.	7.8	130

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37	Colloquium: Photons and electrons as emergent phenomena. <i>Reviews of Modern Physics</i> , 2005, 77, 871-879.	45.6	128
38	Localization in Two Dimensions, Gaussian Field Theories, and Multifractality. <i>Physical Review Letters</i> , 1996, 77, 4194-4197.	7.8	120
39	Tensor-product representations for string-net condensed states. <i>Physical Review B</i> , 2009, 79, .	3.2	119
40	Staggered-Vorticity Correlations in a Lightly Doped $t\tilde{J}$ Model: A Variational Approach. <i>Physical Review Letters</i> , 2000, 84, 3958-3961.	7.8	114
41	Transitions between the quantum Hall states and insulators induced by periodic potentials. <i>Physical Review Letters</i> , 1993, 70, 1501-1504.	7.8	107
42	Many-body coherence effects in conduction through a quantum dot in the fractional quantum Hall regime. <i>Physical Review B</i> , 1992, 46, 4681-4692.	3.2	105
43	TOPOLOGICAL ORDERS AND CHERN-SIMONS THEORY IN STRONGLY CORRELATED QUANTUM LIQUID. <i>International Journal of Modern Physics B</i> , 1991, 05, 1641-1648.	2.0	104
44	Theory of Quasiparticles in the Underdoped High-Tc Superconducting State. <i>Physical Review Letters</i> , 1998, 80, 2193-2196.	7.8	101
45	Symmetry-protected topological phases in noninteracting fermion systems. <i>Physical Review B</i> , 2012, 85, .	3.2	98
46	Gapped Domain Walls, Gapped Boundaries, and Topological Degeneracy. <i>Physical Review Letters</i> , 2015, 114, 076402.	7.8	97
47	Gapped spin liquid with $\langle \mathbb{Z} \times \mathbb{Z} \times \mathbb{Z} \rangle$ topological order for the kagome Heisenberg model. <i>Physical Review B</i> , 2017, 95, .	3.2	97
48	Loop Optimization for Tensor Network Renormalization. <i>Physical Review Letters</i> , 2017, 118, 110504.	7.8	96
49	Choreographed entanglement dances: Topological states of quantum matter. <i>Science</i> , 2019, 363, .	12.6	95
50	Projective construction of non-Abelian quantum Hall liquids. <i>Physical Review B</i> , 1999, 60, 8827-8838.	3.2	93
51	Projective non-Abelian statistics of dislocation defects in a $\langle \mathbb{Z} \times \mathbb{Z} \times \mathbb{N} \rangle$ rotor model. <i>Physical Review B</i> , 2012, 86, .	3.2	93
52	THE GROUND STATE STRUCTURE AND MODULAR TRANSFORMATIONS OF FRACTIONAL QUANTUM HALL STATES ON A TORUS. <i>International Journal of Modern Physics B</i> , 1993, 07, 4227-4259.	2.0	91
53	Quantum order from string-net condensations and the origin of light and massless fermions. <i>Physical Review D</i> , 2003, 68, .	4.7	91
54	Topological Order: From Long-Range Entangled Quantum Matter to a Unified Origin of Light and Electrons. <i>Physical Review X</i> , 2013, 3, 011052.		88

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55	Anomalous Magnetic Splitting of the Kondo Resonance. Physical Review Letters, 2000, 85, 1722-1725. Non-Abelian string and particle braiding in topological order: Modular	7.8	87
56	and twisted gauge theory. Physical Review B, 2015, 91, . Continuous Topological Phase Transitions between Clean Quantum Hall States. Physical Review Letters, 2000, 84, 3950-3953.	3.2	85
57	Continuous Topological Phase Transitions between Clean Quantum Hall States. Physical Review Letters, 2000, 84, 3950-3953.	7.8	84
58	Symmetric Gapped Interfaces of SPT and SET States: Systematic Constructions. Physical Review X, 2018, 8, .	8.9	83
59	Quantized topological terms in weak-coupling gauge theories with a global symmetry and their connection to symmetry-enriched topological phases. Physical Review B, 2013, 87, .	3.2	82
60	A theory of 2+1D bosonic topological orders. National Science Review, 2016, 3, 68-106.	9.5	79
61	Topological quasiparticles and the holographic bulk-edge relation in string-net models. Physical Review B, 2014, 90, .	3.2	78
62	Mutual Chern-Simons theory for topological order. Physical Review B, 2008, 78, .	3.2	78
63	Quantum order: a quantum entanglement of many particles. Physics Letters, Section A: General, Atomic and Solid State Physics, 2002, 300, 175-181.	2.1	74
64	Majorana Fermions. Physical Review Letters, 2018, 120, 107002. Tensor-product state approach to spin-1/2 Heisenberg model: Evidence for deconfined quantum criticality. Physical Review B, 2016, 94, .	2.1	74
65	Tensor-product state approach to spin-1/2 Heisenberg model: Evidence for deconfined quantum criticality. Physical Review B, 2016, 94, .	3.2	70
66	Symmetry-Protected Quantum Spin Hall Phases in Two Dimensions. Physical Review Letters, 2013, 110, 067205.	7.8	69
67	String and membrane condensation on three-dimensional lattices. Physical Review B, 2005, 72, .	3.2	68
68	Topological order and edge structure of $\hat{\nu}=1/2$ quantum Hall state. Physical Review Letters, 1993, 70, 355-358.	7.8	67
69	Boundary degeneracy of topological order. Physical Review B, 2015, 91, .	3.2	66
70	Disordered critical wave functions in random-bond models in two dimensions: Random-lattice fermions at $E=0$ without doubling. Physical Review B, 1997, 56, 1061-1064.	3.2	65
71	Quantum Boltzmann equation of composite fermions interacting with a gauge field. Physical Review B, 1995, 52, 17275-17292.	3.2	64
72	Symmetry-protected topological invariants of symmetry-protected topological phases of interacting bosons and fermions. Physical Review B, 2014, 89, .	3.2	64

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73	Categorical symmetry and noninvertible anomaly in symmetry-breaking and topological phase transitions. <i>Physical Review Research</i> , 2020, 2, .	3.6	63
74	Gapped quantum liquids and topological order, stochastic local transformations and emergence of unitarity. <i>Physical Review B</i> , 2015, 91, .	3.2	61
75	Massless Dirac Fermions, Gauge Fields, and Underdoped Cuprates. <i>Physical Review Letters</i> , 1997, 79, 2109-2112.	7.8	56
76	Artificial light and quantum order in systems of screened dipoles. <i>Physical Review B</i> , 2003, 68, .	3.2	56
77	Classification of symmetric polynomials of infinite variables: Construction of Abelian and non-Abelian quantum Hall states. <i>Physical Review B</i> , 2008, 77, .	3.2	56
78	Emergent anomalous higher symmetries from topological order and from dynamical electromagnetic field in condensed matter systems. <i>Physical Review B</i> , 2019, 99, .	3.2	56
79	Edge excitations in the fractional-quantum-Hall liquids. <i>Physical Review Letters</i> , 1991, 66, 1765-1768.	7.8	54
80	Origin of Gauge Bosons from Strong Quantum Correlations. <i>Physical Review Letters</i> , 2001, 88, 011602.	7.8	54
81	Anyon Condensation and Continuous Topological Phase Transitions in Non-Abelian Fractional Quantum Hall States. <i>Physical Review Letters</i> , 2010, 105, 216804.	7.8	54
82	Construction of bosonic symmetry-protected-trivial states and their topological invariants via G -crossed braided tensor categories. <i>Physical Review B</i> , 2015, 91, .	3.2	54
83	Theory of (2+1)-dimensional fermionic topological orders and fermionic/bosonic topological orders with symmetries. <i>Physical Review B</i> , 2016, 94, .	3.2	54
84	Classification of $3+1$ -dimensional fermionic topological orders and fermionic/bosonic topological orders with symmetries. <i>Physical Review B</i> , 2018, 98, .	3.2	54
85	Algebraic higher symmetry and categorical symmetry: A holographic and entanglement view of symmetry. <i>Physical Review Research</i> , 2020, 2, .	3.6	52
86	Time-reversal symmetry breaking superconducting ground state in the doped Mott insulator on the honeycomb lattice. <i>Physical Review B</i> , 2013, 88, .	3.2	51
87	A new $SU(2)$ anomaly. <i>Journal of Mathematical Physics</i> , 2019, 60, .	1.1	51
88	Transitions between Hall plateaus in the presence of strong Landau level mixing. <i>Physical Review Letters</i> , 1994, 72, 2454-2457.	7.8	50
89	Synthetic non-Abelian statistics by Abelian anyon condensation. <i>Physical Review B</i> , 2013, 87, .	3.2	50
90	Translation-symmetry-protected topological orders in quantum spin systems. <i>Physical Review B</i> , 2009, 80, .	3.2	49

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91	Interacting One-Dimensional Fermionic Symmetry-Protected Topological Phases. Physical Review Letters, 2012, 109, 096403.	7.8	48
92	Universal symmetry-protected topological invariants for symmetry-protected topological states. Physical Review B, 2014, 89, .	3.2	48
93	Classification of two-dimensional fermionic and bosonic topological orders. Physical Review B, 2015, 91, .	3.2	47
94	Charged boson condensation in high-Tc superconductors. Physical Review B, 1988, 37, 595-598.	3.2	46
95	Bosonic anomalies, induced fractional quantum numbers, and degenerate zero modes: The anomalous edge physics of symmetry-protected topological states. Physical Review B, 2015, 91, .	3.2	46
96	Topological transition on the conformal manifold. Physical Review Research, 2020, 2, .	3.6	46
97	Constructing symmetric topological phases of bosons in three dimensions via fermionic projective construction and dyon condensation. Physical Review B, 2014, 89, .	3.2	45
98	Modular matrices as topological order parameter by a gauge-symmetry-preserved tensor renormalization approach. Physical Review B, 2014, 90, .	3.2	44
99	Classification of (2+1)-dimensional topological order and symmetry-protected topological order for bosonic and fermionic systems with on-site symmetries. Physical Review B, 2017, 95, .	3.2	44
100	Staggered Local Density of States around the Vortex in Underdoped Cuprates. Physical Review Letters, 2001, 86, 5365-5368.	7.8	43
101	Projective construction of two-dimensional symmetry-protected topological phases with U(1), SO(3), or SU(2) symmetries. Physical Review B, 2013, 87, .	3.2	43
102	Conductance through a quantum dot in the fractional quantum Hall regime. Physical Review B, 1992, 45, 9489-9492.	3.2	42
103	Tensor product representation of a topological ordered phase: Necessary symmetry conditions. Physical Review B, 2010, 82, .	3.2	42
104	Boundary-bulk relation in topological orders. Nuclear Physics B, 2017, 922, 62-76.	2.5	42
105	Lattice model for fermionic toric code. Physical Review B, 2014, 90, .	3.2	41
106	A Lattice Non-Perturbative Definition of an $SO(10)$ Chiral Gauge Theory and Its Induced Standard Model. Chinese Physics Letters, 2013, 30, 111101.	3.3	40
107	Pseudogap, superconducting energy scale, and Fermi arcs of underdoped cuprate superconductors. Physical Review B, 2005, 72, .	3.2	39
108	Classification of disordered phases of quantum Hall edge states. Physical Review B, 1998, 57, 10138-10156.	3.2	38

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109	Chiral symmetry on the edge of two-dimensional symmetry protected topological phases. Physical Review B, 2012, 86, .	3.2	38
110	Classification of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle D \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{Bosonic Topological Orders (II): The Case When Some Pointlike Excitations Are Fermions. Physical Review X, 2019, 9, .$	8.9	37
111	Instantons and the spectral function of electrons in the half-filled Landau level. Physical Review B, 1994, 50, 8078-8081.	3.2	36
112	Multikink topological terms and charge-binding domain-wall condensation induced symmetry-protected topological states: Beyond Chern-Simons/BF field theories. Physical Review B, 2016, 93, .	3.2	36
113	Noninvertible anomalies and mapping-class-group transformation of anomalous partition functions. Physical Review Research, 2019, 1, .	3.6	36
114	Instability of the disordered critical points of Dirac fermions. Physical Review B, 1996, 53, R7638-R7641.	3.2	35
115	Doped carrier formulation and mean-field theory of the t^2t^3 model. Physical Review B, 2006, 74, .	3.2	35
116	Universal topological data for gapped quantum liquids in three dimensions and fusion algebra for non-Abelian string excitations. Physical Review B, 2015, 91, .	3.2	35
117	An introduction to quantum order, string-net condensation, and emergence of light and fermions. Annals of Physics, 2005, 316, 1-29.	2.8	34
118	Modular Extensions of Unitary Braided Fusion Categories and 2+1D Topological/SPT Orders with Symmetries. Communications in Mathematical Physics, 2017, 351, 709-739.	2.2	32
119	Topological quantum phase transition in the transverse Wen-plaquette model. Europhysics Letters, 2008, 84, 17004.	2.0	31
120	Universal Wave-Function Overlap and Universal Topological Data from Generic Gapped Ground States. Physical Review Letters, 2015, 115, 036802.	7.8	31
121	Microscopic Realization of Two-Dimensional Bosonic Topological Insulators. Physical Review Letters, 2014, 113, 267206.	7.8	30
122	Nonperturbative definition of the standard models. Physical Review Research, 2020, 2, .	3.6	30
123	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle U \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{topological order in Gutzwiller wave functions. Physical Review B, 2014, 90, .$	3.2	29
124	Systematic construction of gapped nonliquid states. Physical Review Research, 2020, 2, .	3.6	29
125	Topological nonlinear $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle \tilde{J} \langle \text{mml:mi} \rangle \langle \text{mml:math} \rangle \text{-model, higher gauge theory, and a systematic construction of } \langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \langle \text{mml:mn} \rangle 3 \langle \text{mml:mn} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle \text{topological orders for boson systems. Physical Review B, 2019, 100, .$	3.2	27
126	Symmetry-protected topological phases in spin ladders with two-body interactions. Physical Review B, 2012, 86, .	3.2	26

#	ARTICLE	IF	CITATIONS
127	Exactly soluble local bosonic cocycle models, statistical transmutation, and simplest time-reversal symmetric topological orders in 3+1 dimensions. <i>Physical Review B</i> , 2017, 95, .	3.2	26
128	Non-Abelian quantum Hall states and their quasiparticles: From the pattern of zeros to vertex algebra. <i>Physical Review B</i> , 2010, 81, .	3.2	25
129	Striped states in quantum Hall effect: Deriving a low-energy theory from Hartree-Fock. <i>Physical Review B</i> , 2001, 64, .	3.2	24
130	Tunneling Density of States of HighTcSuperconductors:d-Wave BCS Model versus SU(2) Slave-Boson Model. <i>Physical Review Letters</i> , 2000, 85, 3692-3695.	7.8	23
131	Solution to the $1 + 1$ dimensional gauged chiral Fermion problem. <i>Physical Review D</i> , 2019, 99, .	3.2	23
132	Scaling theory of conserved current and universal amplitudes at anisotropic critical points. <i>Physical Review B</i> , 1992, 46, 2655-2662.	3.2	22
133	Gapped quantum phases for the $S = 1$ spin chain with $D < 2$ Physical Review B, 2011, 84, .	3.2	20
134	Fermion decoration construction of symmetry-protected trivial order for fermion systems with any symmetry and in any dimension. <i>Physical Review B</i> , 2019, 100, .	3.2	20
135	Lattice models that realize Z_n symmetry-protected topological states for even n . <i>Physical Review B</i> , 2020, 101, .	3.2	20
136	Large-Nrenormalization-group study of the commensurate dirty-boson problem. <i>Physical Review B</i> , 1994, 49, 4043-4052.	3.2	19
137	Symmetry-protected topological orders of one-dimensional spin systems with $D < 2$ Physical Review B, 2011, 84, .	3.2	19
138	Classification of topological phases with finite internal symmetries in all dimensions. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	19
139	Effects of collective modes on pair tunneling into superconductors. <i>Physical Review B</i> , 1993, 48, 6319-6329.	3.2	17
140	Impurity effects on chiral one-dimensional electron systems. <i>Physical Review B</i> , 1994, 50, 5420-5428.	3.2	16
141	Influence of gauge-field fluctuations on composite fermions near the half-filled state. <i>Physical Review B</i> , 1995, 51, 10779-10788.	3.2	16
142	Modular matrices from universal wave-function overlaps in Gutzwiller-projected parton wave functions. <i>Physical Review B</i> , 2015, 91, .	3.2	15
143	Quantum statistics and spacetime surgery. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135516.	4.1	15
144	Orbital spins of the collective excitations in Hall liquids. <i>Physical Review B</i> , 1994, 49, 11066-11070.	3.2	14

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163	String-nets, single- and double-stranded quantum loop gases for non-Abelian anyons. Journal of Physics A: Mathematical and Theoretical, 2010, 43, 172002.	2.1	3
164	Metallic states beyond the Tomonaga-Luttinger liquid in one dimension. Physical Review B, 2020, 102, .	3.2	3
165	THEORY OF THE UNUSUAL NORMAL AND SUPERCONDUCTING STATES OF UNDERDOPED CUPRATES. Journal of Physics and Chemistry of Solids, 1998, 59, 1723-1728.	4.0	2
166	Volume and topological invariants of quantum many-body systems. Physical Review Research, 2020, 2, .	3.6	2
167	The Josephson effect and flux quantum in RVB superconductors. Physics Letters, Section A: General, Atomic and Solid State Physics, 1987, 123, 188-190.	2.1	1
168	DYNAMICS OF THE EDGE EXCITATIONS IN THE FQH EFFECTS. International Journal of Modern Physics B, 1994, 08, 457-464.	2.0	1
169	Mutual Chern-Simons theory and its applications in condensed matter physics. Frontiers of Physics in China, 2007, 2, 31-35.	1.0	1
170	Continuous Topological Phase Transition between Two 1D Antiferromagnetic Spin-1 Boson Superfluids with the Same Symmetry. Physical Review Letters, 2019, 123, 035301.	7.8	1
171	Relation between chiral central charge and ground-state degeneracy in (2+1) -dimensional topological orders. Physical Review Research, 2020, 2, .	3.6	1
172	Gapped Quantum Systems and Entanglement Area Law. Quantum Science and Technology, 2019, , 115-153.	2.6	0
173	A Unification of Information and Matter. Quantum Science and Technology, 2019, , 335-364.	2.6	0
174	Local Transformations and Long-Range Entanglement. Quantum Science and Technology, 2019, , 191-229.	2.6	0
175	Electron spectral function of high-temperature cuprate superconductors. , 2007, , 61-109.		0
176	Fractional Quantum Hall Liquids: New State of Matter, New Type of Order. , 1999, , 148-154.		0
177	Four revolutions in physics and the second quantum revolution "A unification of force and matter by quantum information. , 2019, , 181-204.		0