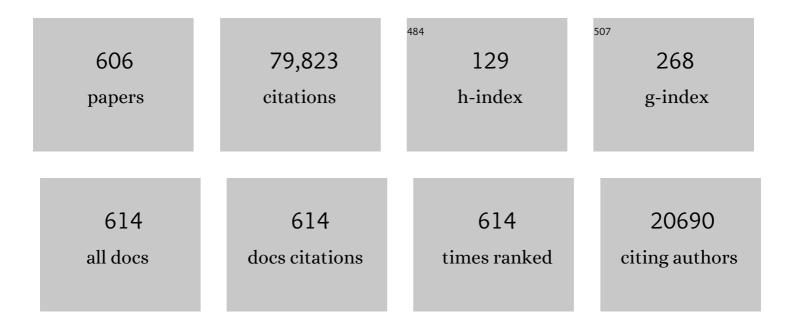
# Juan Ignacio Cirac SasturÃ;in

List of Publications by Year in descending order

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### ΙΠΑΝΙ ΙΩΝΑCIO CIDAC SASTUDÃ: ΙΝ

#	Article	IF	CITATIONS
1	Sequential Generation of Projected Entangled-Pair States. Physical Review Letters, 2022, 128, 010607.	2.9	18
2	Generation of photonic tensor network states with circuit QED. Physical Review A, 2022, 105, .	1.0	4
3	Symmetries and local transformations of translationally invariant matrix product states. Physical Review A, 2022, 105, .	1.0	2
4	Spin-Holstein Models in Trapped-Ion Systems. Physical Review Letters, 2022, 128, 120404.	2.9	5
5	Bose polaron and the Efimov effect: A Gaussian-state approach. Physical Review A, 2022, 105, .	1.0	10
6	Chemistry of a Light Impurity in a Bose-Einstein Condensate. Physical Review Letters, 2022, 128, 183401.	2.9	6
7	Enhancing Generative Models via Quantum Correlations. Physical Review X, 2022, 12, .	2.8	13
8	Preparation and verification of tensor network states. Physical Review Research, 2022, 4, .	1.3	5
9	Adiabatic Spectroscopy and a Variational Quantum Adiabatic Algorithm. PRX Quantum, 2022, 3, .	3.5	11
10	Long-range electron-electron interactions in quantum dot systems and applications in quantum chemistry. Physical Review Research, 2022, 4, .	1.3	4
11	Locality optimization for parent Hamiltonians of tensor networks. Physical Review B, 2022, 106, .	1.1	2
12	Classical algorithms for many-body quantum systems at finite energies. Physical Review B, 2022, 106, .	1.1	5
13	display="inline"> <mml:mrow><mml:mn>2++<mml:mn>1</mml:mn><mml:mi mathvariant="normal"&gt;D</mml:mi </mml:mn></mml:mrow> <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"&gt;<mml:msub><mml:mi>Z</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math 	2.9	17
14	Lattice Gauge Theory with an Infinite Projected Entangled-Pair State. Physical Review Letters, 2021, 126, Higgs-Mediated Optical Amplification in a Nonequilibrium Superconductor. Physical Review X, 2021, 11, .	2.8	18
15	Approximating the long time average of the density operator: Diagonal ensemble. Physical Review B, 2021, 103, .	1.1	7
16	Field tensor network states. Physical Review B, 2021, 103, .	1.1	4
17	Generation of photonic matrix product states with Rydberg atomic arrays. Physical Review Research, 2021, 3, .	1.3	10
18	Topological Lower Bound on Quantum Chaos by Entanglement Growth. Physical Review Letters, 2021, 126, 160601.	2.9	15

#	Article	IF	CITATIONS
19	Rényi free energy and variational approximations to thermal states. Physical Review B, 2021, 103, .	1.1	3
20	Algorithms for Quantum Simulation at Finite Energies. PRX Quantum, 2021, 2, .	3.5	43
21	Generalization of group-theoretic coherent states for variational calculations. Physical Review Research, 2021, 3, .	1.3	5
22	Quantum algorithms for powering stable Hermitian matrices. Physical Review A, 2021, 103, .	1.0	3
23	Density of states of the lattice Schwinger model. Physical Review D, 2021, 104, .	1.6	5
24	Locality of temperature and correlations in the presence of non-zero-temperature phase transitions. New Journal of Physics, 2021, 23, 073052.	1.2	2
25	Exploiting the photonic nonlinearity of free-space subwavelength arrays of atoms. Physical Review A, 2021, 104, .	1.0	13
26	Fermionic quantum cellular automata and generalized matrix-product unitaries. Journal of Statistical Mechanics: Theory and Experiment, 2021, 2021, 013107.	0.9	13
27	Quantum Circuits Assisted by Local Operations and Classical Communication: Transformations and Phases of Matter. Physical Review Letters, 2021, 127, 220503.	2.9	27
28	Locally Accurate Tensor Networks for Thermal States and Time Evolution. PRX Quantum, 2021, 2, .	3.5	9
29	Matrix product states and projected entangled pair states: Concepts, symmetries, theorems. Reviews of Modern Physics, 2021, 93, .	16.4	221
30	Atomic waveguide QED with atomic dimers. Physical Review A, 2021, 104, .	1.0	6
31	Convergence Guarantees for Discrete Mode Approximations to Non-Markovian Quantum Baths. Physical Review Letters, 2021, 127, 250404.	2.9	6
32	Realizing a deterministic source of multipartite-entangled photonic qubits. Nature Communications, 2020, 11, 4877.	5.8	43
33	Entanglement and its relation to energy variance for local one-dimensional Hamiltonians. Physical Review B, 2020, 101, .	1.1	10
34	Simulating lattice gauge theories within quantum technologies. European Physical Journal D, 2020, 74, 1.	0.6	272
35	Quantum Cellular Automata, Tensor Networks, and Area Laws. Physical Review Letters, 2020, 125, 190402.	2.9	31
36	Variational Approach for Many-Body Systems at Finite Temperature. Physical Review Letters, 2020, 125, 180602.	2.9	14

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37	Quantum East Model: Localization, Nonthermal Eigenstates, and Slow Dynamics. Physical Review X, 2020, 10, .	2.8	57
38	Wigner crystals in two-dimensional transition-metal dichalcogenides: Spin physics and readout. Physical Review B, 2020, 101, .	1.1	8
39	Exact dynamics in dual-unitary quantum circuits. Physical Review B, 2020, 101, .	1.1	101
40	Probing Thermalization through Spectral Analysis with Matrix Product Operators. Physical Review Letters, 2020, 124, 100602.	2.9	18
41	Classification of Matrix-Product Unitaries with Symmetries. Physical Review Letters, 2020, 124, 100402.	2.9	18
42	Multimode Fock states with large photon number: effective descriptions and applications in quantum metrology. Quantum Science and Technology, 2020, 5, 025003.	2.6	14
43	From Probabilistic Graphical Models to Generalized Tensor Networks for Supervised Learning. IEEE Access, 2020, 8, 68169-68182.	2.6	22
44	Markovianity of an emitter coupled to a structured spin-chain bath. Physical Review A, 2020, 101, .	1.0	4
45	Nondestructive photon counting in waveguide QED. Physical Review Research, 2020, 2, .	1.3	9
46	Ultrafast molecular dynamics in terahertz-STM experiments: Theoretical analysis using the Anderson-Holstein model. Physical Review Research, 2020, 2, .	1.3	9
47	Quantum simulation of two-dimensional quantum chemistry in optical lattices. Physical Review Research, 2020, 2, .	1.3	9
48	Real-time dynamics in 2+1D compact QED using complex periodic Gaussian states. Physical Review Research, 2020, 2, .	1.3	17
49	Zero-temperature phases of the two-dimensional Hubbard-Holstein model: A non-Gaussian exact diagonalization study. Physical Review Research, 2020, 2, .	1.3	31
50	Efficient Description of Many-Body Systems with Matrix Product Density Operators. PRX Quantum, 2020, 1, .	3.5	18
51	Evaluation of time-dependent correlators after a local quench in iPEPS: hole motion in the t-J model. SciPost Physics, 2020, 8, .	1.5	28
52	Quantum computing and simulation. Nanophotonics, 2020, 10, 453-456. Removing staggered fermionic matter in <mml:math< td=""><td>2.9</td><td>6</td></mml:math<>	2.9	6
53	xmins:mml= http://www.w3.org/1998/Wath/Wath/Wath/With display= inline > <mml:mi>U</mml:mi> <mml:mo stretchy="false"&gt;(<mml:mi>N</mml:mi><mml:mo stretchy="false">)</mml:mo> and <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt;<mml:mi>w&gt;<mml:mi>S</mml:mi><mml:mi>U</mml:mi><mml:mo< td=""><td>1.6</td><td>37</td></mml:mo<></mml:mi></mml:math></mml:mo 	1.6	37
54	Suretchy="false"> (communico communico Ncommunico communico) ij ErQq1 1 0.704014 rgb1 (Overlock 10 11 50 75 Quantum simulation and optimization in hot quantum networks. Physical Review B, 2019, 99, .	1.1	rny= taise >)< 7

#	Article	IF	CITATIONS
55	Unconventional quantum optics in topological waveguide QED. Science Advances, 2019, 5, eaaw0297.	4.7	139
56	The 2019 surface acoustic waves roadmap. Journal Physics D: Applied Physics, 2019, 52, 353001.	1.3	236
57	Analogue quantum chemistry simulation. Nature, 2019, 574, 215-218.	13.7	82
58	Cold atoms in twisted-bilayer optical potentials. Physical Review A, 2019, 100, .	1.0	48
59	Efficient variational approach to dynamics of a spatially extended bosonic Kondo model. Physical Review A, 2019, 100, .	1.0	8
60	Quantum Rydberg Central Spin Model. Physical Review Letters, 2019, 123, 183001.	2.9	25
61	Gaussian time-dependent variational principle for the Bose-Hubbard model. Physical Review B, 2019, 100,	1.1	20
62	Matrix Product States: Entanglement, Symmetries, and State Transformations. Physical Review Letters, 2019, 123, 170504.	2.9	9
63	Mathematical open problems in projected entangled pair states. Revista Matematica Complutense, 2019, 32, 579-599.	0.7	10
64	Engineering and Harnessing Giant Atoms in High-Dimensional Baths: A Proposal for Implementation with Cold Atoms. Physical Review Letters, 2019, 122, 203603.	2.9	56
65	Restricted Boltzmann machines in quantum physics. Nature Physics, 2019, 15, 887-892.	6.5	117
66	Continuous Tensor Network States for Quantum Fields. Physical Review X, 2019, 9, .	2.8	27
67	Quantum metrology with one-dimensional superradiant photonic states. Physical Review A, 2019, 99, .	1.0	31
68	Faster ground state preparation and high-precision ground energy estimation with fewer qubits. Journal of Mathematical Physics, 2019, 60, .	0.5	57
69	Quantum chaos in the Brownian SYK model with large finite N : OTOCs and tripartite information. Journal of High Energy Physics, 2019, 2019, 1.	1.6	51
70	Machine learning and the physical sciences. Reviews of Modern Physics, 2019, 91, .	16.4	1,245
71	Time-dependent study of disordered models with infinite projected entangled pair states. SciPost Physics, 2019, 6, .	1.5	35
72	Tensor Networks and their use for Lattice Gauge Theories. , 2019, , .		19

Tensor Networks and their use for Lattice Gauge Theories. , 2019, , . 72

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#	Article	IF	CITATIONS
73	Gaussian states for the variational study of (1+1)-dimensional lattice gauge models. , 2019, , .		2
74	Combining tensor networks with MonteÂCarlo methods for lattice gauge theories. Physical Review D, 2018, 97, .	1.6	23
75	Exotic quantum dynamics and purely long-range coherent interactions in Dirac conelike baths. Physical Review A, 2018, 97, .	1.0	47
76	Unitary <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"&gt;<mml:mi>n</mml:mi>-designs via random quenches in atomic Hubbard and spin models: Application to the measurement of Rényi entropies. Physical Review A, 2018, 97, .</mml:math 	1.0	68
77	Rényi Entropies from Random Quenches in Atomic Hubbard and Spin Models. Physical Review Letters, 2018, 120, 050406.	2.9	159
78	Variational study of fermionic and bosonic systems with non-Gaussian states: Theory and applications. Annals of Physics, 2018, 390, 245-302.	1.0	79
79	Neural-Network Quantum States, String-Bond States, and Chiral Topological States. Physical Review X, 2018, 8, .	2.8	161
80	Exploring the anisotropic Kondo model in and out of equilibrium with alkaline-earth atoms. Physical Review B, 2018, 97, .	1.1	39
81	Almost conserved operators in nearly many-body localized systems. Physical Review B, 2018, 97, .	1.1	14
82	Continuum limits of matrix product states. Physical Review B, 2018, 98, .	1.1	5
83	Effective many-body Hamiltonians of qubit-photon bound states. New Journal of Physics, 2018, 20, 105005.	1.2	28
84	Computational Speedups Using Small Quantum Devices. Physical Review Letters, 2018, 121, 250501.	2.9	24
85	Normal projected entangled pair states generating the same state. New Journal of Physics, 2018, 20, 113017.	1.2	21
86	Digital quantum simulation of lattice gauge theories in three spatial dimensions. New Journal of Physics, 2018, 20, 093001.	1.2	77
87	Bosonic Gaussian states from conformal field theory. Physical Review B, 2018, 98, .	1.1	4
88	Localization with random time-periodic quantum circuits. Physical Review B, 2018, 98, .	1.1	42
89	Projected entangled pair states with continuous virtual symmetries. Physical Review B, 2018, 98, .	1.1	4
90	A generalization of the injectivity condition for projected entangled pair states. Journal of Mathematical Physics, 2018, 59, .	0.5	11

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91	Generation of single- and two-mode multiphoton states in waveguide QED. Physical Review A, 2018, 97, .	1.0	8
92	Solid-state magnetic traps and lattices. Physical Review B, 2018, 97, .	1.1	2
93	Variational principle for quantum impurity systems in and out of equilibrium: Application to Kondo problems. Physical Review B, 2018, 98, .	1.1	22
94	Quantum optics without photons. Nature, 2018, 559, 481-482.	13.7	1
95	Solving Quantum Impurity Problems in and out of Equilibrium with the Variational Approach. Physical Review Letters, 2018, 121, 026805.	2.9	35
96	Eliminating fermionic matter fields in lattice gauge theories. Physical Review B, 2018, 98, .	1.1	43
97	Towards overcoming the Monte Carlo sign problem with tensor networks. EPJ Web of Conferences, 2017, 137, 04001.	0.1	21
98	Quantum simulation of the Abelian-Higgs lattice gauge theory with ultracold atoms. New Journal of Physics, 2017, 19, 063038.	1.2	53
99	Heralded multiphoton states with coherent spin interactions in waveguide QED. New Journal of Physics, 2017, 19, 043004.	1.2	5
100	Density Induced Phase Transitions in the Schwinger Model: A Study with Matrix Product States. Physical Review Letters, 2017, 118, 071601.	2.9	67
101	Digital Quantum Simulation of <mml:math <br="" xmlns:mml="http://www.w3.org/1998/Math/MathML">display="inline"&gt; <mml:msub> <mml:mi mathvariant="double-struck"&gt;Z  <mml:mn> 2 </mml:mn> </mml:mi </mml:msub> </mml:math> Lattice Gauge Theories with Dynamical Fermionic Matter. Physical Review Letters, 2017, 118, 070501.	2.9	81
102	Matrix product density operators: Renormalization fixed points and boundary theories. Annals of Physics, 2017, 378, 100-149.	1.0	51
103	Quantum optics, what next?. Nature Photonics, 2017, 11, 18-20.	15.6	13
104	Efficient quantum computation in a network with probabilistic gates and logical encoding. Physical Review A, 2017, 95, .	1.0	5
105	Effective description of correlations for states obtained from conformal field theory. Physical Review B, 2017, 96, .	1.1	2
106	Quantum Spin Stabilized Magnetic Levitation. Physical Review Letters, 2017, 119, 167202.	2.9	44
107	Quantum Emitters in Two-Dimensional Structured Reservoirs in the Nonperturbative Regime. Physical Review Letters, 2017, 119, 143602.	2.9	77
108	Markovian and non-Markovian dynamics of quantum emitters coupled to two-dimensional structured reservoirs. Physical Review A, 2017, 96, .	1.0	83

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109	Topological phenomena in classical optical networks. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E8967-E8976.	3.3	18
110	Acoustic Traps and Lattices for Electrons in Semiconductors. Physical Review X, 2017, 7, .	2.8	21
111	Matrix product unitaries: structure, symmetries, and topological invariants. Journal of Statistical Mechanics: Theory and Experiment, 2017, 2017, 083105.	0.9	101
112	Correlation Decay in Fermionic Lattice Systems with Power-Law Interactions at Nonzero Temperature. Physical Review Letters, 2017, 119, 110601.	2.9	15
113	Classification of matrix product states with a local (gauge) symmetry. Annals of Physics, 2017, 386, 199-241.	1.0	18
114	Energy as a Detector of Nonlocality of Many-Body Spin Systems. Physical Review X, 2017, 7, .	2.8	27
115	High-fidelity hot gates for generic spin-resonator systems. Physical Review A, 2017, 95, .	1.0	24
116	Ultrafocused Electromagnetic Field Pulses with a Hollow Cylindrical Waveguide. Physical Review Letters, 2017, 119, 043904.	2.9	1
117	Linear stability analysis of a levitated nanomagnet in a static magnetic field: Quantum spin stabilized magnetic levitation. Physical Review B, 2017, 96, .	1.1	15
118	Digital lattice gauge theories. Physical Review A, 2017, 95, .	1.0	90
119	Efficient Multiphoton Generation in Waveguide Quantum Electrodynamics. Physical Review Letters, 2017, 118, 213601.	2.9	62
120	Quantum computing with neutral atoms. Physics Today, 2017, 70, 44-50.	0.3	108
121	Efficient Basis Formulation for ( 1+1 )-Dimensional SU(2) Lattice Gauge Theory: Spectral Calculations with Matrix Product States. Physical Review X, 2017, 7, .	2.8	56
122	Irreducible forms of matrix product states: Theory and applications. Journal of Mathematical Physics, 2017, 58, .	0.5	13
123	Dynamics of quantum information in many-body localized systems. Physical Review B, 2017, 96, .	1.1	24
124	Quantum Gross-Pitaevskii Equation. SciPost Physics, 2017, 3, .	1.5	12
125	Quasi-Many-Body Localization in Translation-Invariant Systems. Physical Review Letters, 2016, 117, 240601.	2.9	116
126	Fundamental limitations in the purifications of tensor networks. Journal of Mathematical Physics, 2016, 57, .	0.5	22

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127	Projected Entangled Pair States with non-Abelian gauge symmetries: An SU(2) study. Annals of Physics, 2016, 374, 84-137.	1.0	37
128	Quantum spin dynamics with pairwise-tunable, long-range interactions. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, E4946-55.	3.3	108
129	Efficient variational diagonalization of fully many-body localized Hamiltonians. Physical Review B, 2016, 94, .	1.1	61
130	Ultrashort Pulses for Far-Field Nanoscopy. Physical Review Letters, 2016, 117, 103602.	2.9	1
131	Rapid Adiabatic Preparation of Injective Projected Entangled Pair States and Gibbs States. Physical Review Letters, 2016, 116, 080503.	2.9	37
132	Bound States in Boson Impurity Models. Physical Review X, 2016, 6, .	2.8	90
133	Dissipative long-range entanglement generation between electronic spins. Physical Review B, 2016, 94, .	1.1	13
134	Systematic construction of density functionals based on matrix product state computations. New Journal of Physics, 2016, 18, 083039.	1.2	16
135	Lattice effects on Laughlin wave functions and parent Hamiltonians. Physical Review B, 2016, 94, .	1.1	21
136	Introduction to the first issue. Asian Journal of Comparative Politics, 2016, 1, 3-5.	0.6	1
137	Quantum simulations of lattice gauge theories using ultracold atoms in optical lattices. Reports on Progress in Physics, 2016, 79, 014401.	8.1	301
138	Multiphoton-scattering theory and generalized master equations. Physical Review A, 2015, 92, .	1.0	137
139	Chiral topological spin liquids with projected entangled pair states. Physical Review B, 2015, 91, .	1.1	41
140	Edge states for the Kalmeyer-Laughlin wave function. Physical Review B, 2015, 92, .	1.1	7
141	Thermal evolution of the Schwinger model with matrix product operators. Physical Review D, 2015, 92, .	1.6	54
142	Deterministic Generation of Arbitrary Photonic States Assisted by Dissipation. Physical Review Letters, 2015, 115, 163603.	2.9	93
143	Gauging Quantum States: From Global to Local Symmetries in Many-Body Systems. Physical Review X, 2015, 5, .	2.8	79
144	Slowest local operators in quantum spin chains. Physical Review E, 2015, 92, 012128.	0.8	42

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145	Universal Quantum Transducers Based on Surface Acoustic Waves. Physical Review X, 2015, 5, .	2.8	154
146	Non-Abelian string breaking phenomena with matrix product states. Journal of High Energy Physics, 2015, 2015, 1.	1.6	65
147	Quantum dynamics of propagating photons with strong interactions: a generalized input–output formalism. New Journal of Physics, 2015, 17, 113001.	1.2	129
148	Variational Matrix Product Operators for the Steady State of Dissipative Quantum Systems. Physical Review Letters, 2015, 114, 220601.	2.9	134
149	Fermionic projected entangled pair states and local <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si86.gif" display="inline" overflow="scroll"&gt;<mml:mi>U</mml:mi><mml:mrow><mml:mo>(</mml:mo><mml:mn>1</mml:mn><mml:mo>)&lt; theories. Annals of Physics. 2015. 363. 385-439.</mml:mo></mml:mrow></mml:math 	/mml:mo>	55 
150	Approximating Gibbs states of local Hamiltonians efficiently with projected entangled pair states. Physical Review B, 2015, 91, .	1.1	87
151	Chiral Projected Entangled-Pair State with Topological Order. Physical Review Letters, 2015, 114, 106803.	2.9	38
152	Subwavelength vacuum lattices and atom–atom interactions in two-dimensional photonic crystals. Nature Photonics, 2015, 9, 320-325.	15.6	242
153	Exact parent Hamiltonians of bosonic and fermionic Moore–Read states on lattices and local models. New Journal of Physics, 2015, 17, 082001.	1.2	33
154	Frustration Free Gapless Hamiltonians for Matrix Product States. Communications in Mathematical Physics, 2015, 333, 299-333.	1.0	18
155	Temperature dependence of the chiral condensate in the Schwinger model with Matrix Product States. , 2015, , .		6
156	Unifying projected entangled pair state contractions. New Journal of Physics, 2014, 16, 033014.	1.2	79
157	Lattice Laughlin states of bosons and fermions at filling fractions 1/ <i>q</i> . New Journal of Physics, 2014, 16, 033025.	1.2	40
158	Edge Theories in Projected Entangled Pair State Models. Physical Review Letters, 2014, 112, 036402.	2.9	36
159	Optical-lattice implementation scheme of a bosonic topological model with fermionic atoms. Physical Review A, 2014, 90, .	1.0	8
160	Symmetries and boundary theories for chiral projected entangled pair states. Physical Review B, 2014, 90, .	1.1	35
161	Quantum simulation of the Schwinger model: A study of feasibility. Physical Review A, 2014, 90, .	1.0	73
162	Nuclear spin dynamics in double quantum dots: Multistability, dynamical polarization, criticality, and entanglement. Physical Review B, 2014, 89, .	1.1	15

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163	Construction of spin models displaying quantum criticality from quantum field theory. Nuclear Physics B, 2014, 886, 63-74.	0.9	4
164	Algorithms for finite projected entangled pair states. Physical Review B, 2014, 90, .	1.1	115
165	Resonating-valence-bond superconductors with fermionic projected entangled pair states. Physical Review B, 2014, 89, .	1.1	27
166	Long-Distance Transfer and Routing of Static Magnetic Fields. Physical Review Letters, 2014, 112, 253901.	2.9	59
167	Quantum Teleportation of Dynamics and Effective Interactions between Remote Systems. Physical Review Letters, 2013, 111, 020501.	2.9	9
168	Quantum simulations of gauge theories with ultracold atoms: Local gauge invariance from angular-momentum conservation. Physical Review A, 2013, 88, .	1.0	148
169	Optomechanics assisted by a qubit: From dissipative state preparation to many-partite systems. Physical Review A, 2013, 88, .	1.0	29
170	Superconducting Vortex Lattices for Ultracold Atoms. Physical Review Letters, 2013, 111, 145304.	2.9	69
171	Local models of fractional quantum Hall states in lattices and physical implementation. Nature Communications, 2013, 4, 2864.	5.8	72
172	Steady-State Entanglement in the Nuclear Spin Dynamics of a Double Quantum Dot. Physical Review Letters, 2013, 111, 246802.	2.9	19
173	The mass spectrum of the Schwinger model with matrix product states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	138
174	Topological Order in the Projected Entangled-Pair States Formalism: Transfer Operator and Boundary Hamiltonians. Physical Review Letters, 2013, 111, 090501.	2.9	94
175	Cold-Atom Quantum Simulator for SU(2) Yang-Mills Lattice Gauge Theory. Physical Review Letters, 2013, 110, 125304.	2.9	185
176	Simulating ( <mml:math )="" 0="" 055302.<="" 10="" 110,="" 2013,="" atoms.="" dynamical="" etqq0="" lattice="" letters,="" matter="" overlock="" physical="" qed="" review="" rgbt="" td="" tf="" tj="" ultracold="" using="" with="" xmlns:mml="http://www.w3.org/1998/Math/MathML"><td>50 227 To 2.9</td><td>d (display="ii 98</td></mml:math>	50 227 To 2.9	d (display="ii 98
177	Quantum simulation ―an exciting adventure. Annalen Der Physik, 2013, 525, A153.	0.9	2
178	Noise-driven dynamics and phase transitions in fermionic systems. Physical Review A, 2013, 87, .	1.0	93
179	Topological phenomena in trapped-ion systems. Physical Review A, 2013, 87, .	1.0	14
180	Self-Organization of Atoms along a Nanophotonic Waveguide. Physical Review Letters, 2013, 110, 113606.	2.9	117

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181	Dissipative spin chains: Implementation with cold atoms and steady-state properties. Physical Review A, 2013, 87, .	1.0	27
182	Topologically protected quantum state transfer in a chiral spin liquid. Nature Communications, 2013, 4, 1585.	5.8	67
183	Calculus of continuous matrix product states. Physical Review B, 2013, 88, .	1.1	55
184	Purifications of multipartite states: limitations and constructive methods. New Journal of Physics, 2013, 15, 123021.	1.2	47
185	ROCK Inhibitor Y-27632 Increases the Cloning Efficiency of Limbal Stem/Progenitor Cells by Improving Their Adherence and ROS-Scavenging Capacity. Tissue Engineering - Part C: Methods, 2013, 19, 531-537.	1.1	25
186	Field-induced superfluids and Bose liquids in projected entangled pair states. Physical Review B, 2013, 88, .	1.1	10
187	Entanglement, fractional magnetization, and long-range interactions. Physical Review B, 2013, 87, .	1.1	14
188	Projected Entangled-Pair States Can Describe Chiral Topological States. Physical Review Letters, 2013, 111, 236805.	2.9	75
189	Robustness in projected entangled pair states. Physical Review B, 2013, 88, .	1.1	19
190	Robustness of quantum memories based on Majorana zero modes. Physical Review B, 2013, 88, .	1.1	39
191	Ground states of fermionic lattice Hamiltonians with permutation symmetry. Physical Review A, 2013, 88, .	1.0	9
192	Tensor network techniques for the computation of dynamical observables in one-dimensional quantum spin systems. New Journal of Physics, 2012, 14, 075003.	1.2	41
193	Non-local Correlations in the Haldane Phase for an XXZ Spin-1 Chain: A Perspective from Infinite Matrix Product State Representation. Journal of the Physical Society of Japan, 2012, 81, 074003.	0.7	29
194	Quantum Simulation of Small-Polaron Formation with Trapped Ions. Physical Review Letters, 2012, 109, 250501.	2.9	41
195	Quantum Magnetomechanics with Levitating Superconducting Microspheres. Physical Review Letters, 2012, 109, 147205.	2.9	87
196	Variational matrix product ansatz for dispersion relations. Physical Review B, 2012, 85, .	1.1	101
197	Topological and entanglement properties of resonating valence bond wave functions. Physical Review B, 2012, 86, .	1.1	105
198	Matrix product states with long-range localizable entanglement. Physical Review A, 2012, 86, .	1.0	6

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199	Gapless Hamiltonians for the Toric Code Using the Projected Entangled Pair State Formalism. Physical Review Letters, 2012, 109, 260401.	2.9	16
200	Laughlin Spin-Liquid States on Lattices Obtained from Conformal Field Theory. Physical Review Letters, 2012, 108, 257206.	2.9	72
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202	Unforgeable noise-tolerant quantum tokens. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 16079-16082.	3.3	42
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