Monte Carlo simulations of one-dimensional fermion sy

Physical Review B

26, 5033-5055

DOI: 10.1103/physrevb.26.5033

Citation Report

#	Article	IF	Citations
1	Local Hamiltonian Monte Carlo study of the massive schwinger model, the decoupling of heavy flavours. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1983, 133, 423-426.	1.5	6
2	Effect of Coulomb Interactions on the Peierls Instability. Physical Review Letters, 1983, 51, 296-299.	2.9	200
4	Saddle point mean field calculation in the Hubbard model. Nuclear Physics B, 1983, 225, 391-408.	0.9	34
5	Exact and Monte Carlo studies of Gutzwiller's state for the localised-electron limit in one dimension. Journal of Physics C: Solid State Physics, 1983, 16, L1203-L1209.	1.5	66
6	Phase diagram of one-dimensional electron-phonon systems. I. The Su-Schrieffer-Heeger model. Physical Review B, 1983, 27, 1680-1697.	1.1	249
7	Projector Monte Carlo method. Physical Review D, 1983, 27, 1304-1311.	1.6	74
8	Ground State of Excitonic Molecules by the Green's-Function Monte Carlo Method. Physical Review Letters, 1983, 51, 2422-2425.	2.9	53
9	Phase diagram of one-dimensional electron-phonon systems. II. The molecular-crystal model. Physical Review B, 1983, 27, 4302-4316.	1.1	211
10	2pFand4pFInstabilities in the One-Dimensional Electron Gas. Physical Review Letters, 1983, 50, 1168-1171.	2.9	49
11	Dynamic correlation functions in quantum systems: A Monte Carlo algorithm. Physical Review B, 1983, 28, 5353-5356.	1.1	17
12	Monte Carlo Study of the Two-Dimensional Hubbard Model. Physical Review Letters, 1983, 51, 1900-1903.	2.9	72
13	2pFand4pFinstabilities in a one-quarter-filled-band Hubbard model. Physical Review B, 1983, 27, 7169-7185.	1.1	128
14	Numerical calculation of path integrals: The small-polaron model. Physical Review B, 1983, 27, 6097-6109.	1.1	138
15	Quantum Monte Carlo Simulation of a Two-Dimensional Electron System â€“Melting of Wigner Crystalâ€“. Journal of the Physical Society of Japan, 1984, 53, 3770-3781.	0.7	63
16	Partition function from the Green function. Journal of Physics A, 1984, 17, L751-L755.	1.6	0
17	Electronic correlations in Peierls systems. Journal of Physics C: Solid State Physics, 1984, 17, L337-L344.	1.5	11
18	A Monte Carlo approach to chemical bonding in condensed phases. Journal of Chemical Physics, 1984, 81, 2039-2046.	1.2	20
19	2pFand4pFinstabilities in the one-dimensional Hubbard model. Physical Review B, 1984, 29, 5554-5561.	1.1	102

#	Article	IF	Citations
20	Projector Monte Carlo study of confinement and roughening in (2+1)-dimensional U(1) lattice gauge theory. Physical Review D, 1984, 30, 1285-1292.	1.6	14
21	Solitons in Polyacetylene: A Monte Carlo Study. Physical Review Letters, 1984, 52, 1713-1716.	2.9	108
22	Ground State of the Extended One-Dimensional Hubbard Model: A Green's Function Monte Carlo Algorithm. Physical Review Letters, 1984, 53, 1191-1194.	2.9	20
23	Ground state of the half-filled extended Hubbard model beyond the Hartree-Fock approximation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1984, 102, 323-326.	0.9	13
24	Electron orderings and distortions in quasi-one-dimensional systems with a half-filled band. Physica B: Physics of Condensed Matter & C: Atomic, Molecular and Plasma Physics, Optics, 1984, 125, 150-178.	0.9	4
25	Lattice study of solitons with half-integral fermionic charge in a (1 + 1)-dimensional field theoretical model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 140, 239-245.	1.5	4
26	Hamiltonian Monte Carlo study of (1+1)-dimensional models with restricted supersymmetry on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 138, 166-170.	1.5	17
27	Finite size scaling approach to the 1D Hubbard model. Journal of Physics A, 1984, 17, L81-L84.	1.6	6
28	Monte Carlo Calculation of Quantum Systems. II. Higher Order Correction. Journal of the Physical Society of Japan, 1984, 53, 3765-3769.	0.7	230
29	Charge-Density-Wave to Spin-Density-Wave Transition in the Extended Hubbard Model. Physical Review Letters, 1984, 53, 2327-2330.	2.9	217
30	Effect of Localization on a One-Dimensional Half-Filled Extended Hubbard Model. Journal of the Physical Society of Japan, 1985, 54, 2077-2080.	0.7	7
31	Numerical Simulations of Quantum Condensed Matter Systemsâ€"What Can We Learn?. Physica Scripta, 1985, T9, 203-208.	1.2	5
32	Thermo field Monte Carlo and transfer-matrix methods in quantum systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 111, 440-444.	0.9	11
33	A Monte Carlo study of alternating antiferromagnetic linear chains. Physics Letters, Section A: General, Atomic and Solid State Physics, 1985, 111, 71-75.	0.9	12
34	Monte Carlo procedure for 2-dimensional fermion systems. European Physical Journal B, 1985, 61, 219-222.	0.6	4
35	Decomposition formulas of exponential operators and Lie exponentials with some applications to quantum mechanics and statistical physics. Journal of Mathematical Physics, 1985, 26, 601-612.	0.5	298
36	Monte Carlo simulation of quantum statistical lattice models. Physics Reports, 1985, 127, 233-307.	10.3	184
37	Monte Carlo Simulations of the Quantum XXZ Model in Two Dimensions. Physica Scripta, 1985, 32, 327-333.	1.2	14

#	Article	IF	Citations
38	What can be learned from observed charged transfers in quasi-one-dimensional salts?. Journal of Physics C: Solid State Physics, 1985, 18, 1647-1664.	1.5	7
39	Quantum Monte Carlo simulation of the one-dimensional spin-S xxz model. II. High precision calculations for S=1/2. Journal of Physics A, 1985, 18, 3189-3203.	1.6	23
40	Spin chains in a field: Crossover from quantum to classical behavior. Physical Review B, 1985, 32, 4703-4724.	1.1	200
41	Monte Carlo renormalization group for quantum systems. Physical Review B, 1985, 31, 1449-1456.	1.1	9
42	Phase diagram of the one-dimensional molecular-crystal model with Coulomb interactions: Half-filled-band sector. Physical Review B, 1985, 31, 6022-6031.	1.1	82
43	Monte Carlo Studies of the Dynamics of Quantum Many-Body Systems. Physical Review Letters, 1985, 55, 1204-1207.	2.9	37
44	Monte Carlo Method for Quantum Spins Using Boson World Lines. Physical Review Letters, 1985, 55, 2371-2374.	2.9	4
45	Boson approximants for lattice Fermi systems. Journal of Mathematical Physics, 1985, 26, 2039-2044.	0.5	7
46	Numerical evaluation of the partition function for one-dimensional quantum systems. Physical Review B, 1985, 32, 523-526.	1.1	2
47	New stochastic treatment of fermions with application to a double-chain polymer. Physical Review B, 1985, 32, 2022-2029.	1.1	7
48	Spin susceptibilities of a one-dimensional disordered quantum Heisenberg antiferromagnet. Physical Review B, 1985, 32, 7320-7324.	1.1	12
49	Static spin correlations in alternant quantum cell models. Physical Review B, 1985, 32, 5368-5374.	1.1	20
50	Double-valence-fluctuating molecules and superconductivity. Physical Review B, 1985, 32, 5639-5643.	1.1	77
51	Nonperturbative study of hadronization with heavy sources: The screening length as a function of the quark mass in the Schwinger model. Physical Review D, 1985, 32, 2070-2080.	1.6	10
52	New stochastic algorithm and its application to compact QED. Physical Review D, 1985, 32, 977-985.	1.6	11
53	Numerical Simulations of an Electron-Exciton System. Molecular Crystals and Liquid Crystals, 1985, 119, 421-433.	0.9	4
54	Hamiltonian Monte Carlo calculation in two-dimensional SU(2) QCD with fermions. Physical Review D, 1985, 31, 1453-1459.	1.6	5
55	Ground state of the one-dimensional antiferromagnetic Heisenberg model. Physical Review B, 1985, 31, 1590-1599.	1.1	39

#	Article	IF	Citations
56	Quantum Monte Carlo simulation of the one-dimensional spin S xxz model. I. The method. Journal of Physics A, 1985, 18, 2479-2496.	1.6	14
57	Excitonic mechanism for superconductivity in a quasi-one-dimensional system. Physical Review B, 1985, 32, 117-134.	1.1	53
58	One-hole excitation spectra of the one-dimensional Hubbard model. Physical Review B, 1985, 32, 2167-2177.	1.1	15
59	Monte Carlo Simulation for the In-Plane Susceptibility of 1D Spin 1/2 and 1XYModel. Journal of the Physical Society of Japan, 1985, 54, 861-864.	0.7	24
60	Transfer-matrix method and Monte Carlo simulation in quantum spin systems. Physical Review B, 1985, 31, 2957-2965.	1.1	245
61	Two-dimensional Hubbard model: Numerical simulation study. Physical Review B, 1985, 31, 4403-4419.	1.1	943
62	Solitons with half-integral fermionic charge in (1+1)-dimensional hamiltonian lattice models. Nuclear Physics B, 1985, 251, 764-788.	0.9	3
63	Patterns of two-dimensional supersymmetry breaking: A Monte Carlo study. Nuclear Physics B, 1985, 255, 383-391.	0.9	2
64	Computational statistical mechanics methodology, applications and supercomputing. Advances in Physics, 1986, 35, 1-111.	35.9	284
65	Die Projektor-Monte-Carlo-Methode, Test eines neuen Verfahrens zur Auswertung von Gittereichfeldtheorien mit Fermionen in der Hamilton-Formulierung. Annalen Der Physik, 1986, 498, 313-322.	0.9	0
66	Correlation functions of the antiferromagnetic Heisenberg model using a modified Lanczos method. Physical Review B, 1986, 34, 1677-1682.	1.1	202
67	Monte Carlo studies of the dynamical response of quantum many-body systems. Physical Review B, 1986, 34, 4744-4756.	1.1	31
68	Theory of Neutral-Ionic Transition in Organic Crystals. I. Monte Carlo Simulation of Modified Hubbard Model. Journal of the Physical Society of Japan, 1986, 55, 2735-2744.	0.7	139
69	Critical Properties ofS=1 XXZ Chain. Journal of the Physical Society of Japan, 1986, 55, 438-441.	0.7	36
70	Critical Properties ofS=1/2 XXZ Chain. Journal of the Physical Society of Japan, 1986, 55, 1671-1686.	0.7	33
71	Auxiliary field Monte-Carlo for quantum many-body ground states. Annals of Physics, 1986, 168, 1-26.	1.0	229
72	Improvement of a quantum monte carlo method. Physics Letters, Section A: General, Atomic and Solid State Physics, 1986, 116, 447-450.	0.9	7
73	Critical properties of an approximant of two-dimensional quantum XYZ models. Journal of Statistical Physics, 1986, 45, 183-200.	0.5	3

#	Article	IF	Citations
74	Electron-electron interactions in polyacetylene. Journal of Chemical Sciences, 1986, 96, 509-521.	0.7	5
75	Simulations of the Hubbard model. Journal of Statistical Physics, 1986, 43, 841-859.	0.5	15
76	Monte Carlo studies with the ST-100 array processor. Journal of Statistical Physics, 1986, 43, 1147-1170.	0.5	0
77	Monte Carlo Simulation of a Hubbard Chain with Disorder. Physica Scripta, 1986, T13, 319-321.	1.2	5
78	The 1+1 dimensional N=2 Wess-Zumino model on the lattice in the local Hamiltonian method. Journal of Physics G: Nuclear Physics, 1986, 12, 935-945.	0.8	6
79	The non-4kFCDW in the rhoâ©½1/2extended Hubbard model. Journal of Physics C: Solid State Physics, 1986, 19, L441-L444.	1.5	1
80	Vectorized coding for Monte Carlo simulation of the one-dimensional quantum spin system. Physical Review B, 1986, 34, 7896-7900.	1.1	20
81	Connection between world-line and determinantal functional-integral formulations of the Hubbard model. Physical Review B, 1986, 34, 3216-3220.	1.1	24
82	New results on Trotter-like approximations. Physical Review B, 1986, 33, 6271-6280.	1.1	127
83	Ensemble projector Monte Carlo method, studying the lattice Schwinger model in the Hamiltonian formulation. Physical Review D, 1986, 33, 2383-2387.	1.6	2
84	Direct construction of path integrals in the lattice-space multiband dynamics of electrons in a solid. Physical Review A, 1986, 33, 2544-2562.	1.0	15
85	Simulation of a charge-density-wave transition in a quasi-one-dimensional system. Physical Review B, 1986, 34, 6367-6371.	1.1	1
86	Condensation transition in the one-dimensional extended Hubbard model. Physical Review B, 1986, 33, 8155-8163.	1.1	57
87	A Monte Carlo study of the anisotropic Heisenberg chain with spin 1. Journal of Physics A, 1986, 19, 493-502.	1.6	14
88	Nonperturbative study of hadronization with heavy sources. II. Effects of flavor mutual screening in the two-species Schwinger model. Physical Review D, 1986, 33, 2388-2398.	1.6	3
89	Complex Langevin solution of the Schwinger model. Physical Review Letters, 1986, 56, 306-308.	2.9	18
90	Eliminating the minus sign in Monte Carlo simulations of fermions. Physical Review A, 1986, 34, 2293-2301.	1.0	15
91	Competition between the charge-density-wave and singlet-superconducting phases in a quasi-one-dimensional system. Physical Review B, 1986, 34, 3480-3482.	1.1	4

#	Article	IF	Citations
92	Charge Transfer Instability with Structural Change: Three-Sites Three-Electrons System. Journal of the Physical Society of Japan, 1987, 56, 1029-1042.	0.7	3
93	Electron correlations in organic 1:2-TCNQ salts. Reports on Progress in Physics, 1987, 50, 995-1043.	8.1	15
94	Complex actions for fermions in higher dimensions. Physical Review D, 1987, 36, 1229-1232.	1.6	4
95	Thermofield quantum Monte Carlo method and its applications to quantum spin systems. Physical Review B, 1987, 35, 3569-3575.	1.1	3
96	Calculation of specific heat and susceptibilities with the use of the Trotter approximation. Physical Review B, 1987, 36, 3833-3843.	1.1	46
97	Peierls instability in spinless one-dimensional conductors. Physical Review B, 1987, 36, 2257-2262.	1.1	9
98	Monte Carlo study of a one-dimensional degenerate Hubbard model. Physical Review B, 1987, 35, 215-218.	1.1	33
99	Simple numerical approach to quantum lattice models. Physical Review D, 1987, 36, 546-550.	1.6	12
100	Random exchange effects in antiferromagnetic quantum spin chains: A Monte Carlo study. Physical Review B, 1987, 35, 3461-3467.	1.1	8
101	Application of guided random walks to U(1)2Hamiltonian lattice gauge theory. Physical Review D, 1987, 35, 1947-1960.	1.6	17
102	Cluster-Spin Quantum Monte Carlo Study of One-Dimensional Heisenberg Model. Journal of the Physical Society of Japan, 1987, 56, 1963-1973.	0.7	10
103	A new method for simulating fermions. Nuclear Physics B, 1987, 280, 689-715.	0.9	4
104	Phonons in TCNQ conductors measured by inelastic neutron scattering and their relation to electronic correlation effects. Synthetic Metals, 1987, 19, 433-438.	2.1	1
105	Complex fermionic and spin path integrals: An alternative parametrization. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 193, 476-478.	1.5	3
106	System-size effect versus staggered magnetization in the antiferromagnetic Heisenberg XXZ chains: A Monte Carlo study. Physics Letters, Section A: General, Atomic and Solid State Physics, 1988, 127, 151-154.	0.9	6
107	Improvement of the Monte Carlo projector method for spin systems. Journal of Computational Physics, 1988, 78, 79-93.	1.9	1
108	Solitons in conducting polymers. Reviews of Modern Physics, 1988, 60, 781-850.	16.4	3,400
109	Monte-Carlo algorithm for a two-dimensional Hubbard model of high-T c superconductivity. European Physical Journal B, 1988, 70, 291-297.	0.6	18

#	Article	IF	Citations
110	Monte Carlo simulations for two-dimensional quantum systems. European Physical Journal B, 1988, 70, 115-120.	0.6	8
111	A Monte Carlo calculation of the structure factor of the 1D Heisenberg antiferromagnet. Nuclear Physics B, 1988, 300, 301-312.	0.9	4
112	Analytic calculation of ground-state properties of correlated fermions with the Gutzwiller wave function. Physical Review B, 1988, 37, 7382-7399.	1.1	170
113	Correlation functions for interacting fermions in the Gutzwiller ansatz. Physical Review B, 1988, 38, 6911-6927.	1.1	73
114			

#	Article	IF	Citations
128	Bosonized dynamical fermions in 3+1 dimensions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 216, 375-380.	1.5	6
129	Quantum Monte Carlo study of a one dimensional two band fermion model. European Physical Journal B, 1989, 74, 289-294.	0.6	8
130	Quantum-Monte-Carlo simulations for fermionic systems. European Physical Journal B, 1989, 77, 267-273.	0.6	14
131	Pairing correlations and susceptibilities of the one-dimensional Hubbard model. Solid State Communications, 1989, 69, 837-841.	0.9	2
132	Quantum Monte Carlo simulation of the Davydov model. Physical Review Letters, 1989, 62, 1796-1799.	2.9	84
133	Numerical Studies on the Hubbard Model and thet-JModel in One- and Two-Dimensions. Journal of the Physical Society of Japan, 1989, 58, 3752-3780.	0.7	216
134	Simulation of staggered fermions by polymer averaging. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 227, 260-265.	1.5	11
135	Monte Carlo simulations of the spin-1/2Heisenberg antiferromagnet in two dimensions. Journal of Physics Condensed Matter, 1989, 1, 1855-1865.	0.7	79
136	The magnetic critical exponent in the three-state three-dimensional Potts model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 240, 419-422.	1.5	3
137	Monte-Carlo simulation of the Peierls-Hubbard Hamiltonian. Journal of Luminescence, 1990, 45, 338-340.	1.5	0
138	Cooper pairing in a two-band Hubbard model: A quantum Monte Carlo study. Solid State Communications, 1990, 73, 563-567.	0.9	7
139	QUANTUM SIMULATION OF SUPERCONDUCTIVITY. , 1990, , 81-91.		3
140	S(q,Ï‰) for theS=1/2 andS=1 one-dimensional Heisenberg antiferromagnet: A quantum Monte Carlo study. Physical Review B, 1990, 42, 4869-4872.	1.1	45
141	Phase diagram of the extended Hubbard model in one spatial dimension. Physical Review B, 1990, 41, 9435-9443.	1.1	71
142	Quantum critical phenomena in one-dimensional Bose systems. Physical Review Letters, 1990, 65, 1765-1768.	2.9	253
143	Spin correlations of 2D quantum antiferromagnet at low temperatures and a direct comparison with neutron-scattering experiments. Physical Review Letters, 1990, 64, 1449-1452.	2.9	114
144	Extended adiabatic formalism for computing thermodynamic properties of a quantum system coupled to a nonadiabatic bosonic bath. Journal of Chemical Physics, 1990, 92, 4993-5003.	1.2	16
145	Quantum Monte Carlo study of the one-dimensional symmetric Anderson lattice. Physical Review B, 1990, 41, 2490-2509.	1.1	34

#	Article	IF	Citations
146	Superconductivity in a two-band Hubbard model. Physical Review B, 1990, 42, 2125-2136.	1.1	17
147	Kosterlitz-Thouless transition in the two-dimensional quantumXYmodel. Physical Review B, 1990, 42, 6827-6830.	1.1	72
148	The spin-Â½ Heisenberg antiferromagnet on a square lattice and its application to the cuprous oxides. Reviews of Modern Physics, 1991, 63, 1-62.	16.4	1,136
149	Quantum Monte Carlo study of the one-dimensional extended Hubbard Hamiltonian. Synthetic Metals, 1991, 43, 3531-3534.	2.1	6
150	The resonating SDW solitons and breathers in the one-dimensional Hubbard model. Synthetic Metals, 1991, 43, 3705-3708.	2.1	3
151	Correlation length and free energy of theS=1/2XYZchain. Physical Review B, 1991, 43, 5788-5797.	1.1	65
152	Resonating Hartree-Fock Theory of the One DimensionalHubbard Model. I.Quantum Fluctuations by SDW Solitons and Breathers. Journal of the Physical Society of Japan, 1991, 60, 3433-3448.	0.7	19
153	Charge and spin structures in the one-dimensionalt-Jmodel. Physical Review B, 1991, 44, 2681-2696.	1.1	55
154	Quantum Monte Carlo simulation method for spin systems. Physical Review B, 1991, 43, 5950-5961.	1.1	415
155	Two-dimensional spin-1/2 Heisenberg antiferromagnet: A quantum Monte Carlo study. Physical Review B, 1991, 43, 3562-3574.	1.1	203
156	Monte Carlo simulations in fermionic systems: The three band Hubbard model case. Physica A: Statistical Mechanics and Its Applications, 1991, 171, 139-158.	1.2	0
157	Linear response functions of a quasi-one-dimensional electron gas. European Physical Journal B, 1991, 84, 81-87.	0.6	8
158	Spinâ€spin correlations in the oneâ€dimensional spinâ€1/2, antiferromagnetic Heisenberg chain. Journal of Applied Physics, 1991, 69, 5947-5949.	1.1	19
159	Ground-state phase diagram of an interacting Bose model with near-neighbor repulsion. Physical Review B, 1991, 44, 7143-7146.	1.1	49
160	Correlation length and free energy of theS=1/2XXZchain in a magnetic field. Physical Review B, 1991, 44, 12382-12394.	1.1	38
161	Chiral-symmetry breaking in two-dimensional SU(2) QCD with fermions. Physical Review D, 1991, 43, 2665-2668.	1.6	0
162	Ground-state phase diagram of the one-dimensional extended Hubbard model. Physical Review B, 1991, 44, 5995-6001.	1.1	69
163	Exact time-dependent propagation of vacancy motion in thet-Jlimit of the two-dimensional Hubbard Hamiltonian. Physical Review B, 1991, 43, 11062-11070.	1.1	10

#	Article	IF	Citations
164	Complete solution of the antiferromagnetic Heisenberg rings withN=12â€“16 sites. Physical Review B, 1991, 44, 7476-7485.	1.1	30
165	An Overview of the Theory of Ï€-Conjugated Polymers. Springer Series in Solid-state Sciences, 1992, , 7-133.	0.3	42
166	Quantum lattice problems. Topics in Applied Physics, 1992, , 249-284.	0.4	2
167	Manyâ€particle quantum dynamics: An exact algorithm for correlated motion on lattices. Journal of Chemical Physics, 1992, 96, 5318-5333.	1.2	2
168	Counting world lines for many-fermion systems. Physical Review B, 1992, 45, 4650-4655.	1.1	8
169	Quantum lattice fluctuations in the exactly half-filled and nearly half-filled Su-Schrieffer-Heeger model. Physical Review B, 1992, 46, 11550-11558.	1.1	25
170	Spin and charge dynamics for the one-dimensionalt-Jmodel. Physical Review B, 1992, 46, 3410-3419.	1.1	8
171	A generalization of Handscomb's quantum Monte Carlo scheme-application to the 1D Hubbard model. Journal of Physics A, 1992, 25, 3667-3682.	1.6	218
172	World-line quantum Monte Carlo algorithm for a one-dimensional Bose model. Physical Review B, 1992, 46, 9051-9062.	1.1	142
173	Resonating Hartree-Fock Theory of the One Dimensional Hubbard Model. II. Breather Fluctuations in the Strong Correlation Regime. Journal of the Physical Society of Japan, 1992, 61, 3209-3219.	0.7	9
174	Blockspin cluster algorithms for quantum spin systems. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 168, 143-150.	0.9	27
175	Density of states for one hole in a half filled infinite U two-dimensional Hubbard model. Physics Letters, Section A: General, Atomic and Solid State Physics, 1992, 170, 448-453.	0.9	3
176	A quantum Monte Carlo approach to many-body physics. Physics Reports, 1992, 220, 53-162.	10.3	200
177	On-site charge-density wave formation in one-dimensional chains investigated by Feynman path-integral quantum Monte Carlo calculations. Chemical Physics Letters, 1993, 202, 37-43.	1.2	2
178	Bosonization and cluster updating of lattice fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 311, 235-240.	1.5	21
179	Ground state of the Hubbard model: a variational approach based on the maximum entropy principle. Physics Letters, Section A: General, Atomic and Solid State Physics, 1993, 176, 353-359.	0.9	13
180	Quantum Monte Carlo methods â€" recent developments. Physica A: Statistical Mechanics and Its Applications, 1993, 194, 432-449.	1.2	29
181	Feynman Pathâ€Integral Quantum Monteâ€Carlo Simulations of Oneâ€Dimensional Chains in the Presence of Attractive Intersite Interactions. Physica Status Solidi (B): Basic Research, 1993, 176, 401-413.	0.7	2

#	Article	IF	Citations
182	Analysis of static and dynamic electron and spin properties within the interaction space of the one-dimensional Hubbard chain; a path-integral quantum Monte Carlo approach. Chemical Physics, 1993, 176, 109-134.	0.9	6
183	Thermodynamic properties ofS=1 antiferromagnetic Heisenberg chains as Haldane systems. Physical Review B, 1993, 48, 9528-9538.	1.1	62
184	Material properties of one-dimensional systems studied by path-integral quantum Monte Carlo simulations and an analytical many-body model. Molecular Physics, 1993, 79, 1239-1273.	0.8	14
185	Thermodynamic Properties ofS=1 Antiferromagnetic Heisenberg Chains. Journal of the Physical Society of Japan, 1993, 62, 1459-1462.	0.7	17
186	Effects of edges inS=1 Heisenberg antiferromagnetic chains. Physical Review B, 1993, 48, 913-919.	1.1	117
187	Monte Carlo study of quantum spin chains. Physical Review B, 1993, 48, 6167-6178.	1.1	54
188	Determinantal and worldline quantum Monte Carlo methods for many-body systems. Physical Review B, 1993, 47, 16131-16140.	1.1	2
189	Universal conductivity in the two-dimensional boson Hubbard model. Physical Review B, 1993, 48, 9628-9635.	1.1	50
190	Numerical solution ofS=1 antiferromagnetic spin chains using a truncated basis expansion. Physical Review B, 1993, 48, 303-310.	1.1	31
191	Dynamical properties of one-dimensional antiferromagnets: A Monte Carlo study. Physical Review B, 1993, 48, 10227-10239.	1.1	52
192	Semiclassical method for calculating quantum-lattice-fluctuation effects in conducting and/or optically active polymers, with results for polyacetylene in the soliton-antisoliton approximation. Physical Review B, 1993, 47, 14212-14220.	1.1	0
193	Data Analysis for Quantum Monte Carlo Simulations with the Negative-Sign Problem. Journal of the Physical Society of Japan, 1994, 63, 1691-1697.	0.7	6
194	Ground-State Properties ofS=1 Antiferromagnetic Heisenberg Chains with Bond Alternation. Journal of the Physical Society of Japan, 1994, 63, 4327-4330.	0.7	55
195	A configuration-space truncation scheme for the Heisenberg spin-1 model. Journal of Physics Condensed Matter, 1994, 6, 4375-4380.	0.7	0
196	Effect of competition between point and columnar disorder on the behavior of flux lines in (1+1) dimensions. Physical Review B, 1994, 50, 13625-13631.	1.1	5
197	Quantum Monte Carlo study of the one-dimensional Hubbard model with random hopping and random potentials. Physical Review B, 1994, 50, 10474-10484.	1.1	18
198	Phase transitions in an interacting boson model with near-neighbor repulsion. Physical Review B, 1994, 50, 362-373.	1.1	43
199	Loop algorithms for quantum simulations of fermion models on lattices. Physical Review B, 1994, 50, 136-149.	1.1	49

#	Article	IF	Citations
200	Anisotropy effects on the magnetic properties of anS=1 antiferromagnetic Heisenberg chain. Physical Review B, 1994, 50, 6277-6288.	1.1	40
201	Order-disorder transition in a two-layer quantum antiferromagnet. Physical Review Letters, 1994, 72, 2777-2780.	2.9	183
202	Numerical study of a two-dimensional quantum antiferromagnet with random ferromagnetic bonds. Physical Review B, 1994, 50, 15803-15807.	1.1	7
203	Transforming signs to phase distributions in quantum simulations. Physical Review E, 1994, 50, R2411-R2414.	0.8	3
204	The fermion diffusion process. Physics Letters, Section A: General, Atomic and Solid State Physics, 1994, 189, 473-478.	0.9	11
205	Charge- and spin-susceptibilities in the one-dimensional hubbard model with long-range interaction. Physica C: Superconductivity and Its Applications, 1994, 235-240, 2303-2304.	0.6	0
206	Transfer-Matrix Monte Carlo Method â€“A Practical Solution for the Negative Sign Problemâ€“. Journal of the Physical Society of Japan, 1994, 63, 2449-2452.	0.7	11
207	Monte Carlo study of superfluid-insulator transitions in Boson Hubbard models. Physica B: Condensed Matter, 1995, 206-207, 157-159.	1.3	1
208	Effects of long-range interaction in one-dimensional electron systems. Journal of Physics and Chemistry of Solids, 1995, 56, 1779-1780.	1.9	4
209	Reentrant Superfluid-Insulator Transitions of Random Boson Hubbard Models. Journal of the Physical Society of Japan, 1995, 64, 1529-1551.	0.7	8
210	Susceptibility of the one-dimensional dimerized Hubbard model. Physical Review B, 1995, 51, 1997-2000.	1.1	13
211	Quantum Monte Carlo study of the Su-Schrieffer-Heeger model in the high-level-doping concentration regime: Metal-insulator transition. Physical Review B, 1995, 51, 6863-6867.	1.1	3
212	Spin dynamics ofLa2CuO4and the two-dimensional Heisenberg model. Physical Review B, 1995, 51, 9403-9406.	1.1	26
213	Critical exponent Î· inS=1 antiferromagnetic Heisenberg chains with alternating interaction. Physical Review B, 1995, 52, 10170-10176.	1.1	18
214	Electronic structure of theCuO3chains inRBa2Cu3O6+x(R=Y or a rare earth). Physical Review B, 1995, 52, 13601-13604.	1.1	6
215	Supersolids in the Bose-Hubbard Hamiltonian. Physical Review Letters, 1995, 74, 2527-2530.	2.9	152
216	NMR relaxation rates for the spin-1/2 Heisenberg chain. Physical Review B, 1995, 52, R9831-R9834.	1.1	43
217	Disorder Induced Phase Transition in a Two-Dimensional Random Quantum Antiferromagnet. Physical Review Letters, 1995, 74, 1226-1229.	2.9	31

#	Article	IF	Citations
218	Phonons in one-dimensional Peierls systems with internal degrees of freedom. Physical Review B, 1995, 51, 5790-5799.	1.1	1
219	Resolution of the sign problem in quantum Monte Carlo simulations of annulenes. Molecular Physics, 1995, 84, 1127-1137.	0.8	12
220	Spin Gap in Two-Dimensional Heisenberg Model for CaV4O9. Journal of the Physical Society of Japan, 1995, 64, 4105-4108.	0.7	66
221	The effects of quantum lattice fluctuations on nonlinear optics of polyacetylene. Synthetic Metals, 1995, 71, 1681-1682.	2.1	1
222	An analysis of the zero differential overlap approximation. Towards an improved semiempirical MO method beyond it. Theoretica Chimica Acta, 1995, 92, 13-47.	0.9	10
223	Green's function quantum Monte Carlo method in the presence of topological sign problems: ï€ electronic systems. Molecular Physics, 1995, 85, 1217-1226.	0.8	10
224	Magnetization ofS=1 antiferromagnetic Heisenberg chains. Physical Review B, 1995, 51, 3649-3654.	1.1	20
225	Quantum fluctuations in the one dimensional Hubbard model with a less than half filling. Synthetic Metals, 1995, 69, 709-710.	2.1	3
226	Hidden Order and Dimerization Transition inS=2Chains. Journal of the Physical Society of Japan, 1996, 65, 1562-1565.	0.7	16
227	World line simulations of the bosonic Hubbard model in the ground state. Computer Physics Communications, 1996, 97, 63-81.	3.0	7
228	Quantum Monte Carlo study of spin chains. Physica A: Statistical Mechanics and Its Applications, 1996, 223, 214-226.	1.2	0
229	Two-particle calculation of excitonic effects in semiconductor nanocrystals. Chemical Physics, 1996, 210, 117-133.	0.9	24
230	Pairing correlations in two-dimensional large-size Cu-O clusters: Nonlocal world-line Monte Carlo algorithm. Physical Review B, 1996, 53, 5932-5941.	1.1	6
231	Error reduction using covariance in quantum Monte Carlo simulations. Physical Review B, 1996, 54, 14910-14913.	1.1	4
232	Thermodynamic properties ofS=2 antiferromagnetic Heisenberg chains. Physical Review B, 1996, 53, 3364-3373.	1.1	36
233	Persistent current in disordered Aharonov-Bohm rings with interacting electrons. Physical Review B, 1996, 54, 8101-8106.	1.1	5
234	Effects of intrabilayer coupling on the magnetic properties of YBa2Cu3O6. Physical Review B, 1996, 53, R526-R529.	1.1	24
235	Effects of quantum fluctuations of electrons and lattice in doped polyacetylene. Physical Review B, 1996, 54, 7965-7971.	1.1	19

#	Article	IF	Citations
236	Magnetic impurity coupled to a quantum spin chain: A quantum Monte Carlo study. Physical Review B, 1996, 54, 15171-15177.	1.1	6
237	Monte Carlo method for obtaining the ground-state properties of quantum spin systems. Physical Review B, 1996, 53, 668-673.	1.1	15
238	Phase separation and the existence of superconductivity in a one-dimensional copper-oxygen model. Physical Review B, 1996, 54, R3746-R3749.	1.1	12
239	A global quantum Monte Carlo approach for the persistent current in an Aharonov - Bohm ring with interacting electrons. Journal of Physics Condensed Matter, 1996, 8, L413-L420.	0.7	2
240	Numerical study of the incommensurate phase in spin-Peierls systems. Physical Review B, 1997, 56, 14607-14613.	1.1	47
241	Finite-size scaling of the ground-state parameters of the two-dimensional Heisenberg model. Physical Review B, 1997, 56, 11678-11690.	1.1	372
242	Quantum Monte Carlo in the interaction representation: Application to a spin-Peierls model. Physical Review B, 1997, 56, 14510-14528.	1.1	74
243	Linear chain of coupled quantum dots. Physical Review B, 1997, 56, R4344-R4347.	1.1	4
244	Phase transitions in antiferromagnetic quantum spin chains with bond alternation. Physical Review B, 1997, 55, 3603-3612.	1.1	52
245	Dynamics of the spin- Heisenberg chain at intermediate temperatures. Physical Review B, 1997, 55, 14953-14967.	1.1	61
246	Effects of the quantum fluctuations on the nonlinear optical response of trans-polyacetylene to the static external electric field. Physical Review B, 1997, 56, 3792-3799.	1.1	4
247	Path integral method by means of generalized coherent states and its numerical approach to molecular systems. I. Ensemble average of total energy. Journal of Chemical Physics, 1997, 107, 6283-6289.	1.2	9
248	Nonmagnetic impurities in spin-gapped and gapless Heisenberg antiferromagnets. Physical Review B, 1997, 56, 11701-11709.	1.1	46
249	An introduction to quantum monte carlo methods. , 1997, , 109-135.		1
250	Ground-state phase diagram of an extended Hubbard chain with correlated hopping at half-filling. Physical Review B, 1997, 55, 1173-1184.	1.1	30
251	Low-temperature properties of quantum antiferromagnetic chains with alternating spins and. Journal of Physics Condensed Matter, 1997, 9, 3921-3930.	0.7	76
252	Nonlinear optical response of trans-polyacetylene to the strong static electric field. Synthetic Metals, 1997, 85, 1087-1088.	2.1	3
253	Phase separation in the 1-D extended Hubbard model. Physica C: Superconductivity and Its Applications, 1997, 282-287, 1875-1876.	0.6	4

#	Article	IF	Citations
254	Quantum spin liquid in an antiferromagnet with four-spin interactions. Physics of the Solid State, 1997, 39, 1246-1250.	0.2	2
255	Modeling a dimer state in CuGeO3 in the two-dimensional anisotropic Heisenberg model with alternated exchange interaction. Journal of Experimental and Theoretical Physics, 1997, 85, 1196-1203.	0.2	2
256	Monte Carlo simulation of the quantum transverse Ising model. Physica A: Statistical Mechanics and Its Applications, 1997, 238, 307-316.	1.2	8
257	â€œWormâ€•algorithm in quantum Monte Carlo simulations. Physics Letters, Section A: General, Atomic and Solid State Physics, 1998, 238, 253-257.	0.9	209
258	Quantum Monte Carlo simulations of infinitely strongly correlated fermions. Physical Review B, 1998, 58, R10100-R10103.	1.1	9
259	Thermodynamic properties of Heisenberg ferrimagnetic spin chains: Ferromagnetic-antiferromagnetic crossover. Physical Review B, 1998, 57, R14008-R14011.	1.1	77
260	Combination of ferromagnetic and antiferromagnetic features in Heisenberg ferrimagnets. Journal of Physics Condensed Matter, 1998, 10, 11033-11048.	0.7	49
261	Effect of spin-1 impurities in dimerized Heisenberg chains. Physical Review B, 1998, 58, 6258-6267.	1.1	6
262	Role of winding numbers in quantum Monte Carlo simulations. Physical Review B, 1998, 57, 13382-13385.	1.1	5
263	Quantum spin liquid in the 2D anisotropic Heisenberg model with frustrated next nearest neighbor exchange. Low Temperature Physics, 1998, 24, 572-577.	0.2	0
264	Ground-State and Thermodynamic Properties of the Quantum Mixed Spin-1/2-1/2-1-1 Chain. Journal of the Physical Society of Japan, 1998, 67, 1000-1013.	0.7	31
265	Spin-Peierls Transition in the Heisenberg Chain with Finite-Frequency Phonons. Physical Review Letters, 1999, 83, 195-198.	2.9	52
266	Stochastic series expansion method with operator-loop update. Physical Review B, 1999, 59, R14157-R14160.	1.1	610
267	Quantum statistical analysis of superconductivity, fractional quantum Hall effect, and aromaticity. International Journal of Quantum Chemistry, 2000, 79, 125-162.	1.0	11
268	Quantum mechanical effects on condensed matter phenomena. Physica A: Statistical Mechanics and Its Applications, 2000, 281, 420-431.	1.2	2
269	Exchange symmetry in a system of nonrelativistic spin-1/2 fermions in the Feynman quantum statistics representation. Journal of Experimental and Theoretical Physics, 2000, 91, 31-47.	0.2	10
270	HPFBench. ACM Transactions on Mathematical Software, 2000, 26, 99-149.	1.6	7
271	The density matrix renormalization group method: Application to the low-lying electronic states in conjugated polymers. Advances in Quantum Chemistry, 2000, 38, 121-215.	0.4	32

#	Article	IF	Citations
272	Monte Carlo study of a two-dimensional quantum ferromagnet. Physical Review B, 2000, 61, 364-374.	1.1	26
273	Auxiliary-field Monte Carlo for quantum spin and boson systems. Physical Review B, 2000, 61, 9607-9612.	1.1	3
274	Optical absorption ofCuO3antiferromagnetic chains at finite temperatures. Physical Review B, 2000, 62, 1218-1223.	1.1	3
275	Exact duality and dual Monte Carlo simulation for the bosonic Hubbard model. Physical Review B, 2000, 61, 10725-10737.	1.1	3
276	Sign problem in Monte Carlo simulations of frustrated quantum spin systems. Physical Review B, 2000, 62, 1102-1113.	1.1	91
277	Accessing the dynamics of large many-particle systems using the stochastic series expansion. Physical Review E, 2001, 64, 066701.	0.8	93
278	Tight-Binding Theory in the Computational Materials Science. Materials Transactions, 2001, 42, 979-993.	0.4	3
279	Some Findings on the Minus-Sign Problem for the Hubbard Model in the Projector Quantum Monte Carlo Method. Journal of the Physical Society of Japan, 2001, 70, 1519-1522.	0.7	2
280	A new way to deal with fermions in Monte Carlo simulations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 519, 277-284.	1.5	2
281	Numerical study of the one-dimensional Hubbard model in determination of trans-polyacetylene properties. Physica B: Condensed Matter, 2001, 296, 377-387.	1.3	5
282	Quantum Monte Carlo study of the alternating extended Peierlsâ€“Hubbard model applied to the trans-polyacetylene. Physica B: Condensed Matter, 2001, 301, 299-309.	1.3	5
283	Spin and charge Tomonaga-Luttinger parameters in quantum wires. Europhysics Letters, 2001, 53, 221-227.	0.7	23
284	Upper bound for the ground-state energy of fermion lattice models. Physical Review B, 2001, 64, .	1.1	4
285	Characterization of halogen-bridged binuclear metal complexes as hybridized two-band materials. Physical Review B, 2001, 63, .	1.1	41
286	Adaptive optimization of wave functions for fermion lattice models. Physical Review D, 2001, 64, .	1.6	2
287	Quantum Monte Carlo simulations of the Hubbard model containing off-diagonal hopping. Physical Review B, 2002, 66, .	1.1	1
288	Mott Domains of Bosons Confined on Optical Lattices. Physical Review Letters, 2002, 89, 117203.	2.9	264
289	Light Front Quantization. , 2002, , 1-74.		73

#	Article	IF	Citations
290	Thermodynamics of the Double Exchange Systems. , 2002, , 1-38.		3
291	Quantum Monte Carlo and exact diagonalization study of a dynamic Hubbard model. Physical Review B, 2002, 65, .	1.1	23
292	The behavior of correlation functions in trans-polyacetylene: quantum Monte Carlo study. Solid State Sciences, 2002, 4, 757-765.	1.5	2
293	Correlated ab initio and density functional calculations on small model molecules for the unit cell of polyparaphenylene in its aromatic and quinoidal forms: equilibrium geometries and vibrational spectra. Computational and Theoretical Chemistry, 2002, 618, 65-84.	1.5	14
294	Electronic momentum distribution in the one-dimensional extended Hubbard model: determinantal Monte Carlo study. Polymer, 2002, 43, 6323-6331.	1.8	1
295	A new method for Monte Carlo simulation of theories with Grassmann variables.. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 1085-1087.	0.5	0
296	Calculation of the Free Energy of Fullerenes in the Grossâ€“Neveu Model. Inorganic Materials, 2002, 38, 212-215.	0.2	0
297	Quantum Monte Carlo with directed loops. Physical Review E, 2002, 66, 046701.	0.8	662
298	Quantum Monte-Carlo calculation of correlation functions of undistorted, cis-distorted and trans-distorted polyacene. Polymer, 2003, 44, 1765-1770.	1.8	1
299	Zone methods and the fermion sign problem. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 979-981.	0.5	0
300	Chiral symmetry breaking in (2+1) dimensional QED. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 784-786.	0.5	0
301	The loop algorithm. Advances in Physics, 2003, 52, 1-66.	35.9	229
302	Quantum Monte Carlo study of insulating state in NaV2O5. Journal of Alloys and Compounds, 2003, 354, 24-28.	2.8	1
303	Stochastic series expansion method for quantum Ising models with arbitrary interactions. Physical Review E, 2003, 68, 056701.	0.8	103
304	World-line path integral study of supersymmetry breaking in the Wess-Zumino model. Physical Review D, 2003, 67, .	1.6	5
305	Massless three-dimensional QED with explicit fermions. Physical Review D, 2003, 67, .	1.6	7
306	DIRECT SIMULATIONS OF SMALL MULTI-FERMION SYSTEMS. International Journal of Modern Physics C, 2003, 14, 1027-1040.	0.8	2
307	Phase diagram of the lattice Wess-Zumino model from rigorous lower bounds on the energy. Physical Review D, 2004, 70, .	1.6	15

#	Article	IF	Citations
308	Quantum Monte Carlo and variational approaches to the Holstein model. Physical Review B, 2004, 69, .	1.1	74
309	Universal stochastic series expansion algorithm for Heisenberg model and Bose-Hubbard model with interaction. Physical Review E, 2004, 69, 036701.	0.8	6
310	New quantum Monte Carlo formulation for modeling trans-polyacetylene properties: specific heat calculation. Polymer, 2004, 45, 2443-2451.	1.8	0
311	Theoretical vibrational spectra of organic ring compounds compared to experiment. International Journal of Quantum Chemistry, 2004, 99, 533-555.	1.0	9
312	Infrared and Raman spectra of polyparaphenylene dimers in their aromatic and quinoidal forms for the detection of bipolarons in the charge transport of conducting polymer samples. Computational and Theoretical Chemistry, 2004, 677, 179-198.	1.5	2
313	Theoretical study of bipolaron dynamics in polyparaphenylene: I. Derivation of the formalism and density functional (DFT) calculations on neutral and charged model systems. Computational and Theoretical Chemistry, 2004, 682, 115-136.	1.5	8
314	Numerical study of vortex system quantum melting. Physics Letters, Section A: General, Atomic and Solid State Physics, 2004, 332, 456-460.	0.9	1
315	Equilibrium and Dynamical Properties of the Boson Hubbard Model in One Dimension. Journal of Low Temperature Physics, 2005, 140, 313-332.	0.6	4
316	Superconducting first-order pairing: Finite-temperature simulations. International Journal of Quantum Chemistry, 2005, 101, 411-449.	1.0	5
317	Effect of electron-phonon interaction range on lattice polaron dynamics: A continuous-time quantum Monte Carlo study. Physical Review B, 2005, 71, .	1.1	47
318	Stochastic series expansion algorithm for theS=1â^•2XYmodel with four-site ring exchange. Physical Review E, 2005, 72, 026702.	0.8	26
319	Mixing-demixing transition in one-dimensional boson-fermion mixtures. Physical Review A, 2005, 72, .	1.0	25
320	Topological ferrimagnetic behavior of one new chain with the new AF/F/Fâ€²/Fâ€²/F alternating sequence. New Journal of Chemistry, 2005, 29, 306-314.	1.4	40
321	Monte Carlo Simulation. , 2006, , 1057-1096.		0
322	MOTT TRANSITION IN ONE-DIMENSIONAL BOSON-FERMION MIXTURES. International Journal of Modern Physics B, 2006, 20, 617-625.	1.0	12
323	Thermodynamic properties of ferrimagnetic spin chains in the presence of a magnetic field. Physical Review B, 2006, 73, .	1.1	8
324	Diagrammatic determinantal quantum Monte Carlo methods: Projective schemes and applications to the Hubbard-Holstein model. Physical Review B, 2007, 76, .	1.1	103
325	Static versus dynamic fluctuations in the one-dimensional extended Hubbard model. Physical Review B, 2007, 76, .	1.1	3

#	Article	IF	Citations
326	World-line and Determinantal Quantum Monte Carlo Methods for Spins, Phonons and Electrons. , 2008, , 277-356.		35
327	Nonlinear Phenomenology from Quantum Mechanics: Soliton in a Lattice. Physical Review Letters, 2008, 101, 170405.	2.9	17
328	Quantum Monte Carlo study of a magnetic-field-driven two-dimensional superconductor-insulator transition. Physical Review B, 2008, 78, .	1.1	16
329	Canonical trajectories and critical coupling of the Bose-Hubbard Hamiltonian in a harmonic trap. Physical Review A, 2008, 78, .	1.0	22
330	Quantum Monte Carlo Simulations of Bosonic and Fermionic Impurities in a Two-Dimensional Hard-Core Boson System. Physical Review Letters, 2008, 101, 120405.	2.9	1
331	Sign change of the extendeds-wave pairing vertex in the dynamic Hubbard model: A quantum Monte Carlo study. Physical Review B, 2008, 77, .	1.1	7
332	State diagrams for harmonically trapped bosons in optical lattices. Physical Review A, 2009, 79, .	1.0	65
333	Contraction of fermionic operator circuits and the simulation of strongly correlated fermions. Physical Review A, 2009, 80, .	1.0	108
334	Spectral functions in one-dimensional quantum systems at finite temperature using the density matrix renormalization group. Physical Review B, 2009, 79, .	1.1	145
335	Quantum Monte Carlo Studies of Strongly Correlated Electron Systems. , 2009, , 669-686.		3
336	Quasi-Long-Range-Order in Mott State of Boseâ€“Fermi Mixtures on One-Dimensional Optical Lattice. Journal of the Physical Society of Japan, 2009, 78, 064303.	0.7	1
337	Properties of the moving Holstein large polaron in one-dimensional molecular crystals. Journal of Physics Condensed Matter, 2009, 21, 275404.	0.7	4
338	Bipolaron formation in the presence of magnetic impurities. Physica C: Superconductivity and Its Applications, 2009, 469, 1966-1969.	0.6	2
339	Simulating the all-order hopping expansion II: Wilson fermions. Nuclear Physics B, 2009, 814, 549-572.	0.9	21
340	Quantum information analysis of the phase diagram of the half-filled extended Hubbard model. Physical Review B, 2009, 79, .	1.1	29
341	Superuid and insulator of dirty Bose-Fermi mixture. Journal of Physics: Conference Series, 2009, 150, 032063.	0.3	2
344	Ground-state properties of the one-dimensional attractive Hubbard model with confinement: A comparative study. Physical Review B, 2010, 82, .	1.1	16
345	Loop updates for variational and projector quantum Monte Carlo simulations in the valence-bond basis. Physical Review B, 2010, 82, .	1.1	100

#	Article	IF	Citations
346	Monte Carlo Simulation. , 2011, , 1117-1157.		8
347	One dimensional bosons: From condensed matter systems to ultracold gases. Reviews of Modern Physics, 2011, 83, 1405-1466.	16.4	816
348	Validity of the Tomonaga Luttinger liquid relations for the one-dimensional Holstein model. Physical Review B, 2011, 84, .	1.1	10
349	Universal nonequilibrium quantum dynamics in imaginary time. Physical Review B, 2011, 84, .	1.1	79
350	Correlated singlet phase in the one-dimensional Hubbard-Holstein model. Physical Review B, 2012, 86, .	1.1	13
351	Quantum Monte Carlo simulation of three-dimensional Bose-Fermi mixtures. Physical Review A, 2012, 86, .	1.0	9
352	Solving Condensed-Matter Ground-State Problems by Semidefinite Relaxations. Physical Review Letters, 2012, 108, 200404.	2.9	19
353	Impurity Susceptibilities in Magnetically Doped cis-Polyacetylene. Journal of Superconductivity and Novel Magnetism, 2012, 25, 491-494.	0.8	0
354	Stationary soliton solutions for large adiabatic Holstein polaron in magnetic field in anisotropic solids. European Physical Journal B, 2012, 85, 1.	0.6	0
355	Microscopic theory of non-adiabatic response in real and imaginary time. Journal of Physics Condensed Matter, 2013, 25, 404216.	0.7	18
356	Entanglement of Interacting Fermions in Quantum MonteÂCarlo Calculations. Physical Review Letters, 2013, 111, 130402.	2.9	72
357	Bridging Lattice-Scale Physics and Continuum Field Theory with Quantum Monte Carlo Simulations. Annual Review of Condensed Matter Physics, 2013, 4, 179-215.	5.2	90
358	Least square based method for obtaining one-particle spectral functions from temperature Green functions. Computer Physics Communications, 2013, 184, 367-373.	3.0	1
359	Topological Invariant and Quantum Spin Models from Magnetic<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi></mml:math>Fluxes in Correlated Topological Insulators. Physical Review X, 2013, 3, .	2.8	29
360	Precise evaluation of thermal response functions by optimized density matrix renormalization group schemes. New Journal of Physics, 2013, 15, 073010.	1.2	65
361	Quantum simulation of correlated-hopping models with fermions in optical lattices. Physical Review A, 2014, 89, .	1.0	57
362	Path-integral simulation of solids. Journal of Physics Condensed Matter, 2014, 26, 233201.	0.7	47
363	Persistent Current in Boseâ€“Fermi Mixture on a Ring. Journal of the Physical Society of Japan, 2014, 83, 024007.	0.7	1

#	Article	IF	Citations
364	Quantum Monte Carlo methods. , 0, , 319-363.		0
365	Geometry dependence of the sign problem in quantum Monte Carlo simulations. Physical Review B, 2015, 92, .	1.1	64
366	Symmetric minimally entangled typical thermal states. Physical Review B, 2015, 92, .	1.1	12
367	Velocity of excitations in ordered, disordered, and critical antiferromagnets. Physical Review B, 2015, 92, .	1.1	28
368	A coefficient average approximation towards Gutzwiller wavefunction formalism. Journal of Physics Condensed Matter, 2015, 27, 245604.	0.7	0
369	Numerical stabilization of entanglement computation in auxiliary-field quantum Monte Carlo simulations of interacting many-fermion systems. Physical Review E, 2016, 94, 063306.	0.8	11
370	Simple Fermionic Model of Deconfined Phases and Phase Transitions. Physical Review X, 2016, 6, .	2.8	60
371	Entanglement and the fermion sign problem in auxiliary field quantum Monte Carlo simulations. Physical Review B, 2016, 94, .	1.1	7
372	Cumulant t -expansion for strongly correlated fermions. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 1995-1999.	0.9	5
373	Inchworm Monte Carlo for exact non-adiabatic dynamics. I. Theory and algorithms. Journal of Chemical Physics, 2017, 146, 054105.	1.2	47
374	Interaction Effects on Phase Stiffness in Boseâ€“Fermi Mixture Systems. Journal of the Physical Society of Japan, 2017, 86, 054002.	0.7	0
375	Multihole edge states in Su-Schrieffer-Heeger chains with interactions. Physical Review B, 2017, 95, .	1.1	35
376	Periodically driven small polarons. Physical Review B, 2017, 95, .	1.1	1
377	Machine learning quantum phases of matter beyond the fermion sign problem. Scientific Reports, 2017, 7, 8823.	1.6	252
378	Series-expansion thermal tensor network approach for quantum lattice models. Physical Review B, 2017, 95, .	1.1	27
379	Boseâ€“Fermi Mixtures in Off-diagonal Confinement. Journal of the Physical Society of Japan, 2018, 87, 125002.	0.7	0
380	Constructing exact representations of quantum many-body systems with deep neural networks. Nature Communications, 2018, 9, 5322.	5.8	111
381	Polarized fermions in one dimension: Density and polarization from complex Langevin calculations, perturbation theory, and the virial expansion. Physical Review D, 2018, 98, .	1.6	11

#	Article	IF	Citations
382	Quantum Monte Carlo (QMC) Methods. , 2018, , 339-352.		0
383	Competition between phase separation and spin density wave or charge density wave order: Role of long-range interactions. Physical Review B, 2019, 99, .	1.1	5
384	Charge carrier mobility in systems with local electron-phonon interaction. Physical Review B, 2019, 99, .	1.1	22
385	Effective p-wave Fermi-Fermi Interaction Induced by Bosonic Superfluids. Scientific Reports, 2020, 10, 10822.	1.6	2
386	Cumulant t-Expansion for Strongly Correlated Electrons on a Lattice. Journal of Experimental and Theoretical Physics, 2020, 131, 460-467.	0.2	1
387	Easing the Monte Carlo sign problem. Science Advances, 2020, 6, eabb8341.	4.7	45
388	Circuit-based digital adiabatic quantum simulation and pseudoquantum simulation as new approaches to lattice gauge theory. Journal of High Energy Physics, 2020, 2020, 1.	1.6	7
389	Unveiling the Finite Temperature Physics of Hydrogen Chains via Auxiliary Field Quantum Monte Carlo. Journal of Chemical Theory and Computation, 2020, 16, 4298-4314.	2.3	14
390	Accelerating Lattice Quantum Field Theory Calculations via Interpolator Optimization Using Noisy Intermediate-Scale Quantum Computing. Physical Review Letters, 2020, 124, 080501.	2.9	20
391	Complex Langevin and other approaches to the sign problem in quantum many-body physics. Physics Reports, 2021, 892, 1-54.	10.3	33
392	Fractional Brownian motion of worms in worm algorithms for frustrated Ising magnets. Physical Review E, 2021, 103, 062101.	0.8	1
393	Numerically exact mimicking of quantum gas microscopy for interacting lattice fermions. Physical Review B, 2021, 104, .	1.1	3
394	Worldline algorithm by oracle-guided variational autoregressive network. Physical Review B, 2021, 104, .	1.1	0
395	The Phase Diagram of the One-Dimensional Extended Hubbard Model. NATO ASI Series Series B: Physics, 1995, , 315-326.	0.2	4
397	Variational Schemes for Many-Electron Systems. Springer Series in Solid-state Sciences, 1987, , 183-193.	0.3	14
398	Monte Carlo Simulation of One Dimensional Quantum Systems. , 1984, , 157-186.		1
399	Numerical Simulation of Quantum Lattice Systems: Electron-Electron and Electron-Phonon Interactions in One Dimension. , 1984, , 203-233.		2
400	Quantum Monte Carlo for Lattice Fermions. , 1999, , 343-373.		3

#	Article	IF	Citations
401	World-Line Quantum Monte Carlo. , 1999, , 65-100.		1
402	Stable Numerical Simulations of Models of Interacting Electrons in Condensed-Matter Physics. Modern Problems in Condensed Matter Sciences, 1992, 32, 177-235.	0.1	22
403	On the Monte Carlo Method for Fermions in Multi-Dimensional Systems. Journal of the Physical Society of Japan, 1984, 53, 2861-2864.	0.7	13
404	Superconductivity vs.Charge Density Wave in One-Dimensional Bipolaron System with Random Potentials â€“S=1/2 XXZ-Chain with Random Fieldsâ€“. Journal of the Physical Society of Japan, 1987, 56, 2460-2470.	0.7	10
405	The Fermionic Minus-Sign Problem for the Ground State, Revisited with Higher Order Suzukiâ€“Trotter Decompositions. Journal of the Physical Society of Japan, 2012, 81, 104002.	0.7	4
406	Quantum Monte Carlo Simulations: An Introduction. Springer Series in Solid-state Sciences, 2002, , 137-158.	0.3	0
407	The Stochastic Series Expansion Method for Quantum Lattice Models. Springer Proceedings in Physics, 2002, , 182-187.	0.1	1
408	Destruction of Superfluid and Long Range Order by Impurities in Two Dimensional Systems. , 2002, , 119-130.		0
409	Quantum Monte-Carlo Simulations of Correlated Bosonic and Fermionic Systems. , 2003, , 181-193.		0
410	Density-Functional Calculation and Inelastic Neutron Scattering of Structural and Dynamical Properties in Fluoride Crystals. , 2003, , 249-258.		0
411	Role of Repulsive Interactions for the Spinâ€“Peierls Transition Temperature in One-Dimensional Half-Filled Electron Systems. Journal of the Physical Society of Japan, 2003, 72, 2706-2709.	0.7	2
412	Theoretical Study of Bipolaron Dynamics in Polyparaphenylene: II. Density Functional Theory (DFT) Calculations on Neutral Dimers and Semiempirical HÃ¼ckel-Type Calculations on Neutral and Charged Model Chains. Collection of Czechoslovak Chemical Communications, 2005, 70, 689-730.	1.0	0
413	Internal Structure of Local Mott Domains in Confined Boseâ€“Fermi Mixtures. Journal of the Physical Society of Japan, 2009, 78, 114301.	0.7	0
415	Quantum Monte Carlo Simulation of Anderson Lattice in One Dimension. , 1987, , 517-520.		0
416	High-Speed Algorithm for Quantum Monte Carlo Simulation. Springer Series in Solid-state Sciences, 1987, , 34-40.	0.3	0
417	Thermodynamic Properties of the Spin-1/2 Heisenberg Antiferromagnet on the Triangular Lattice. Springer Series in Solid-state Sciences, 1987, , 114-124.	0.3	3
418	Quantum Monte Carlo for Spin Glasses and Related Systems. Springer Series in Solid-state Sciences, 1987, , 163-175.	0.3	0
419	Investigation of One- and Two-Dimensional Quantum Spin Systems by Monte Carlo Simulations. Springer Series in Solid-state Sciences, 1987, , 64-74.	0.3	7

#	Article	IF	Citations
420	Quantum Monte Carlo Methods. NATO ASI Series Series B: Physics, 1990, , 273-280.	0.2	0
421	QUANTUM SIMULATION OF SUPERCONDUCTIVITY. , 1990, , 81-91.		0
422	Quantum Monte Carlo Simulations of the Davydov Model. NATO ASI Series Series B: Physics, 1990, , 83-98.	0.2	1
423	Quantum Lattice Problems. Topics in Applied Physics, 1992, , 249-284.	0.4	4
424	Numerical Calculations of S=1 Heisenberg Antiferromagnetic Chain. Springer Proceedings in Physics, 1992, , 152-156.	0.1	0
425	Simulating Spin-Fermion Systems: Kondo Lattice Results. Springer Proceedings in Physics, 1993, , 115-130.	0.1	0
426	Critical Properties of Strongly Interacting Bosons on a Lattice. Springer Proceedings in Physics, 1993, , 131-144.	0.1	0
427	Information Theory-Based Variational Approach in Correlated Fermion Lattice. , 1993, , 331-337.		0
428	Quantum Monte Carlo Investigations for the Hubbard Model. , 1996, , 189-208.		0
429	Quantum Monte Carlo simulations of one hole in the t-J model. , 1999, , 95-104.		0
430	Bose-Fermi Mixture on Ring Threaded by Magnetic Flux. , 2014, , .		0
432	Pseudogap problem in high-temperature superconductors. Physics-Uspekhi, 2021, 64, 890-922.	0.8	4
433	Quantum Monte Carlo methods. , 2021, , 365-415.		0
434	Phase transitions in partial summation methods: Results from the three-dimensional Hubbard model. Physical Review B, 2022, 105, .	1.1	6
435	Quantum critical points and the sign problem. Science, 2022, 375, 418-424.	6.0	37
436	Sign-problem-free variant of the complex Sachdev-Ye-Kitaev model. Physical Review B, 2022, 105, .	1.1	2
437	Spectral and thermodynamic properties of the Holstein polaron: Hierarchical equationsÂ of motion approach. Physical Review B, 2022, 105, .	1.1	10
438	Digital quantum simulation and pseudoquantum simulation of the <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>2</mml:mn></mml:mrow></mml:msub></mml:mrow> gaugeâ€“Higgs model. Physical Review D, 2022, 105, .	1.6	0

#	Article	IF	Citations
439	Dynamical tuning of the chemical potential to achieve a target particle number in grand canonical Monte Carlo simulations. Physical Review E, 2022, 105, 045311.	0.8	6
440	Sign-problem free quantum stochastic series expansion algorithm on a quantum computer. Npj Quantum Information, 2022, 8, .	2.8	1
441	Efficient world-line-based quantum Monte Carlo method without Hubbardâ€“Stratonovich transformation. Scientific Reports, 2022, 12, 8251.	1.6	0
442	Electron removal spectral function of a polaron coupled to dispersive optical phonons. Physical Review B, 2022, 106, .	1.1	5
443	Fermionic-propagator and alternating-basis quantum Monte Carlo methods for correlated electrons on a lattice. Journal of Chemical Physics, 0, , .	1.2	0
444	Augmenting Density Matrix Renormalization Group with Disentanglers. Chinese Physics Letters, 2023, 40, 057102.	1.3	1
445	Unusual fluid of one-dimensional disordered bosons at finite temperature. Physical Review A, 2023, 107, .	1.0	0
446	Enhanced spin-orbit coupling and orbital moment in ferromagnets by electron correlations. Physical Review B, 2023, 107, .	1.1	3
447	The sign problem in quantum Monte Carlo simulations. , 2024, , 879-893.		2
448	No sign problem in one-dimensional path integral Monte Carlo simulation of fermions: A topological proof. Physical Review E, 2023, 107, .	0.8	0