Christof Gattringer

List of Publications by Year
in descending order

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188 papers	3,126 citations	136940 32 h-index	206102 48 g-index
192 all docs	192 docs citations	192 times ranked	932 citing authors

#	Article	IF	Citations
1	Self-dual U(1) lattice field theory with a Î¸-term. Journal of High Energy Physics, 2022, 2022, 1.	4.7	8
2	Phase structure of self-dual lattice gauge theories in 4d. Journal of High Energy Physics, 2022, 2022, .	4.7	4
3	Density of states approach for lattice gauge theory with a Î¸-term. Nuclear Physics B, 2020, 957, 115097.	2.5	7
4	First-Principles Simulations of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mn>1</mml:mn><mml:mo>+</mml:mo><mml:mn>1</mml:mn><mml:mi mathvariant="normal">D</mml:mi></mml:mrow></mml:math> Quantum Field Theories at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î¸</mml:mi><mml:mo>=</mml:mo><mml:mi>Ï€</mml:mi></mml:math> and Spin Chains. Physical Review Letters, 2020, 125, 201602.	7.8	13
5	Exploring the worldline formulation of the Potts model. Nuclear Physics B, 2020, 956, 115008.	2.5	1
6	New Canonical and Grand Canonical Density of States Techniques for Finite Density Lattice QCD. Particles, 2020, 3, 87-98.	1.7	1
7	Topological terms in abelian lattice field theories. , 2020, , .		4
8	Symmetries of the light hadron spectrum in high temperature QCD. , 2020, , .		0
9	Topology and index theorem with a generalized Villain lattice action â€“ a test in 2d. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 581-586.	4.1	4
10	Symmetries of spatial meson correlators in high temperature QCD. Physical Review D, 2019, 100, .	4.7	26
11	Abelian gauge theories on the lattice: Î¸-Terms and compact gauge theory with(out) monopoles. Nuclear Physics B, 2019, 943, 114616.	2.5	43
12	New density of states approaches to finite density lattice QCD. Physical Review D, 2019, 100, .	4.7	7
13	Low temperature condensation and scattering data. , 2019, , .		0
14	The critical endpoint in the 2-d U(1) gauge-Higgs model at topological angle $heta=pi$. , 2019, , .		4
15	Bag representation for composite degrees of freedom in lattice gauge theories with fermions. , 2019, , .		0
16	Baryon bag simulation of QCD in the strong coupling limit. , 2019, , .		0
17	Canonical simulations with worldlines: An exploratory study in Ï•24 lattice field theory. International Journal of Modern Physics A, 2018, 33, 1850010.	1.5	4
18	Worldlines and worldsheets for non-abelian lattice field theories: Abelian color fluxes and Abelian color cycles. EPJ Web of Conferences, 2018, 175, 11007.	0.3	2

#	Article	IF	Citations
19	New techniques and results for worldline simulations of lattice field theories. EPJ Web of Conferences, 2018, 175, 07007.	0.3	3
20	Dual simulation of the 2d U(1) gauge Higgs model at topological angle Î¸=â€¯Ï€: Critical endpoint behavior. Nuclear Physics B, 2018, 935, 344-364.	2.5	26
21	Baryon bags in strong coupling QCD. Physical Review D, 2018, 97, .	4.7	3
22	Dual representation of lattice QCD with worldlines and worldsheets of Abelian color fluxes. Physical Review D, 2018, 97, .	4.7	16
23	Kramersâ€“Wannier duality and worldline representation for the SU(2) principal chiral model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 778, 435-441.	4.1	11
24	Finite Density Condensation and Scattering Data: A Study in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>Ï•</mml:mi><mml:mn>4</mml:mn></mml:msup></mml:math> Lattice Field Theory. Physical Review Letters, 2018, 120, 241601.	7.8	2
25	Abelian color cycles: A new approach to strong coupling expansion and dual representations for non-abelian lattice gauge theory. Nuclear Physics B, 2017, 916, 627-646.	2.5	15
26	Density of States FFA analysis of SU(3) lattice gauge theory at a finite density of color sources. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 166-171.	4.1	11
27	Simulation strategies for the massless lattice Schwinger model in the dual formulation. Nuclear Physics B, 2017, 924, 63-85.	2.5	9
28	Dualization of non-abelian lattice gauge theory with Abelian Color Cycles (ACC). , 2017, , .		0
29	Phase diagram of the O(3) model from dual lattice simulations. , 2017, , .		0
30	Two-dimensional O(3) model at nonzero density: From dual lattice simulations to repulsive bosons. Physical Review D, 2016, 94, .	4.7	16
31	Developing and testing the density of states FFA method in the SU(3) spin model. Nuclear Physics B, 2016, 913, 627-642.	2.5	10
32	Approaches to the sign problem in lattice field theory. International Journal of Modern Physics A, 2016, 31, 1643007.	1.5	89
33	Dual representation for1+1dimensional fermions interacting with3+1dimensional U(1) gauge fields. Physical Review D, 2016, 93, .	4.7	3
34	Dual representation for massless fermions with chemical potential and U(1) gauge fields. , 2016, , .		0
35	Density of states techniques for lattice field theories using the functional fit approach (FFA). , 2016, , .		2
36	Finite density $O(3)$ non-linear sigma model and low energy physics. , 2016, , .		0

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37	Solving the sign problems of the massless lattice Schwinger model with a dual formulation. Nuclear Physics B, 2015, 897, 732-748.	2.5	33
38	Density of states method for the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="double-struck">Z</mml:mi></mml:mrow><mml:mrow><mml:mn>3</mml:mn></mml:mrow></mml:msub></mml:math> spin model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 747, 545-550.	4.1	10
39	Distribution of canonical determinants in QCD. Physical Review D, 2015, 91, .	4.7	11
40	Generalized quark number susceptibilities from fugacity expansion at finite chemical potential for<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msub><mml:mrow><mml:mi>N</mml:mi></mml:mrow><mml:mrow><mml:mi>f</mml:mi></mml:m fermions. Physical Review D, 2015, 91, .	4.7	15
41	Dual simulation of the two-dimensional lattice U(1) gauge-Higgs model with a topological term. Physical Review D, 2015, 92, .	4.7	20
42	Grand Canonical Ensembles, Multiparticle Wave Functions, Scattering Data, and Lattice Field Theories. Physical Review Letters, 2015, 115, 231601.	7.8	13
43	Dual lattice representations forO(N)andCP(Nâˆ’1)models with a chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 749, 495-501.	4.1	33
44	Condensation in two flavor scalar electrodynamics with non-degenerate quark masses. , 2015, , .		0
45	Quark number susceptibilities from fugacity expansion at finite chemical potential. , 2015, , .		0
46	Dual simulation of finite density lattice QED at large mass. , 2015, , .		0
47	The Z3 model with the density of states method. , 2015, , .		1
48	Study of the Theta Angle in Scalar QED_2 in a Dual Representation. , 2015, , .		0
49	Taylor and fugacity expansion for the effective â„₃ spin model of QCD at finite density. International Journal of Modern Physics A, 2014, 29, 1450198.	1.5	2
50	Fractality and other properties of center domains at finite temperature: SU(3) lattice gauge theory. Physical Review D, 2014, 89, .	4.7	19
51	New Developments for Lattice Field Theory at Non-Zero Density. , 2014, , .		8
52	Local Polyakov loop domains and their fractality. , 2014, , .		2
53	Dual Methods for Lattice Field Theories at Finite Density. , 2014, , .		2
54	A test of fugacity-, Taylor- and improved Taylor-expansion. , 2014, , .		0

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55	Solving the sign problem of two flavor scalar electrodynamics at finite chemical potential. , 2014, , .		0
56	Taylor- and fugacity expansion for the effective center model of QCD at finite density. , 2014, , .		0
57	Spectroscopy in finite density lattice field theory: An exploratory study in the relativistic Bose gas. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 720, 210-214.	4.1	18
58	Surface worm algorithm for abelian Gaugeâ€“Higgs systems on the lattice. Computer Physics Communications, 2013, 184, 1535-1546.	7.5	32
59	Dual Lattice Simulation of the Abelian Gauge-Higgs Model at Finite Density: An Exploratory Proof of Concept Study. Physical Review Letters, 2013, 111, 141601.	7.8	26
60	Effective Lagrangian for the Polyakov line on a lattice. Journal of High Energy Physics, 2013, 2013, 1.	4.7	3
61	Lattice study of the Silver Blaze phenomenon for a charged scalar field. Nuclear Physics B, 2013, 869, 56-73.	2.5	41
62	Properties of canonical determinants and a test of fugacity expansion for finite density lattice QCD with Wilson fermions. Physical Review D, 2012, 86, .	4.7	17
63	Gauge and matter fields as surfaces and loops: An exploratory lattice study of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>Z</mml:mi><mml:mn>3</mml:mn></mml:msub></mml:math>gauge-Higgs model. Physical Review D, 2012, 86, .	4.7	15
64	Free energy for parameterized Polyakov loops in SU(2) and SU(3) lattice gauge theory. Journal of High Energy Physics, 2012, 2012, 1.	4.7	20
65	Monte Carlo simulation of the SU(3) spin model with chemical potential in a flux representation. Nuclear Physics B, 2012, 862, 737-750.	2.5	39
66	Worm algorithms for the 3-state Potts model with magnetic field and chemical potential. Computer Physics Communications, 2012, 183, 1920-1927.	7.5	26
67	No coincidence of center percolation and deconfinement in SU(4) lattice gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 716, 465-469.	4.1	2
68	Worm Algorithms for the QCD Phase Diagram with Effective Theories. , 2012, , .		1
69	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2012, 5, 1033.	0.1	3
70	Dressed Polyakov loops and center symmetry from Dirac spectra. , 2012, , .		0
71	Monte Carlo simulation of abelian Gauge-Higgs lattice models using dual representations. , 2012, , .		0
72	Flux representation of an effective Polyakov loop model for QCD thermodynamics. Nuclear Physics B, 2011, 850, 242-252.	2.5	47

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73	Coherent center domains from local Polyakov loops. Journal of Physics: Conference Series, 2011, 312, 012005.	0.4	15
74	Center clusters in the Yang-Mills vacuum. Journal of High Energy Physics, 2011, 2011, 1.	4.7	14
75	Canonical fermion determinants in lattice QCD â€“ Numerical evaluation and properties. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 85-89.	4.1	9
76	Simulation of the 3-state Potts model with chemical potential. , 2011, , .		1
77	QCD Phase Diagram According to the Center Group. Physical Review Letters, 2011, 106, 222001.	7.8	32
78	Dual condensate and QCD phase transition. , 2011, , .		10
79	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2011, 4, 703.	0.1	5
80	Coherent center domains in local Polyakov loops. , 2011, , .		1
81	Fermionic Boundary Conditions and the Finite Temperature Transition of QCD. Few-Body Systems, 2010, 47, 125-135.	1.5	28
82	Coherent center domains in SU(3) gluodynamics and their percolation at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mi>T</mml:mi><mml:mi>c</mml:mi></mml:msub></mml:math>. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 179-182.	4.1	25
83	The path integral on the lattice. Lecture Notes in Physics, 2010, , 1-23.	0.7	58
84	Quantum Chromodynamics on the Lattice. Lecture Notes in Physics, 2010, , .	0.7	225
85	Chiral symmetry on the lattice. Lecture Notes in Physics, 2010, , 157-184.	0.7	1
86	Baryon axial charges from chirally improved fermions - first results. , 2010, , .		1
87	More about lattice fermions. Lecture Notes in Physics, 2010, , 243-266.	0.7	0
88	Symanzik improvement and RG actions. Lecture Notes in Physics, 2010, , 213-242.	0.7	0
89	Dynamical fermions. Lecture Notes in Physics, 2010, , 185-211.	0.7	0
90	Hadron structure. Lecture Notes in Physics, 2010, , 267-299.	0.7	0

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91	Temperature and chemical potential. Lecture Notes in Physics, 2010, , 301-326.	0.7	0
92	QCD on the lattice â€" a first look. Lecture Notes in Physics, 2010, , 25-41.	0.7	1
93	Hadron spectroscopy. Lecture Notes in Physics, 2010, , 123-156.	0.7	0
94	Pure gauge theory on the lattice. Lecture Notes in Physics, 2010, , 43-71.	0.7	1
95	Numerical simulation of pure gauge theory. Lecture Notes in Physics, 2010, , 73-101.	0.7	0
96	Dynamical Lattice QCD withÂGinsparg-Wilson-Type Fermions. , 2010, , 439-450.		0
97	Properties of canonical fermion determinants with a fixed quark number. , 2010, , .		0
98	Excited hadrons in n_f = 2 QCD. , 2010, , .		1
99	Chiral symmetry and spectral properties of the Dirac operator inG₂Yang-Mills theory. Journal of High Energy Physics, 2009, 2009, 024-024.	4.7	22
100	Adjoint quarks and fermionic boundary conditions. Journal of High Energy Physics, 2009, 2009, 035-035.	4.7	14
101	A study of the sign problem for lattice QCD with chemical potential. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 240-245.	4.1	9
102	Hadron spectroscopy with dynamical chirally improved fermions. Physical Review D, 2009, 79, .	4.7	49
103	Dual quark condensate and dressed Polyakov loops. , 2009, , .		2
104	Spectroscopy with dynamical Chirally Improved quarks. , 2009, , .		0
105	Dual quark condensate and dressed Polyakov loops. Physical Review D, 2008, 77, .	4.7	81
106	New overlap construction of Weyl fermions on the lattice. Nuclear Physics B, 2008, 801, 353-360.	2.5	8
107	Derivative sources in lattice spectroscopy of excited light-quark mesons. Physical Review D, 2008, 78, .	4.7	32
108	Winding expansion techniques for lattice QCD with chemical potential. Physical Review D, 2008, 78, .	4.7	19

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109	Static quark-antiquark potential and Dirac eigenvector correlators. Journal of High Energy Physics, 2008, 2008, 030-030.	4.7	10
110	Thin and dressed Polyakov loops from spectral sums of lattice differential operators. , 2008, , .		0
111	Fermion loop simulations in 2-d lattice theories - results and limitations. , 2008, , .		0
112	Excited state spectroscopy in the lattice Gross-Neveu model. , 2008, , .		1
113	Thermodynamical quantities for overlap fermions with chemical potential. , 2008, , .		0
114	Remarks on left-handed lattice fermions. , 2008, , .		1
115	Meson spectroscopy with derivative quark sources. , 2008, , .		2
116	Quantitative comparison of filtering methods in lattice QCD. , 2008, , .		0
117	Dynamical Chirally Improved Quarks: First Results for Hadron Masses. , 2008, , .		0
118	Energy density for chiral lattice fermions with chemical potential. Physical Review D, 2007, 76, .	4.7	6
119	Fermion-loop simulation of the lattice Gross-Neveu model. Physical Review D, 2007, 76, .	4.7	7
120	Complete spectra of the Dirac operator and their relation to confinement. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 647, 56-61.	4.1	35
121	Quantitative comparison of filtering methods in lattice QCD. European Physical Journal A, 2007, 33, 333-338.	2.5	23
122	Lattice calculation of the pion form factor with Ginsparg-Wilson-type fermions. Physical Review D, 2006, 73, .	4.7	12
123	Excited hadrons on the lattice: Mesons. Physical Review D, 2006, 73, .	4.7	66
124	Variational method for lattice spectroscopy with ghosts. Physical Review D, 2006, 73, .	4.7	24
125	Dependence of Dirac eigenmodes on boundary conditions for SU(2) lattice gauge theory. Nuclear Physics, Section B, Proceedings Supplements, 2006, 152, 284-287.	0.4	3
126	Excited hadrons on the lattice: Baryons. Physical Review D, 2006, 74, .	4.7	79

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127	Linking Confinement to Spectral Properties of the Dirac Operator. Physical Review Letters, 2006, 97, 032003.	7.8	78
128	Excited hadrons from improved interpolating fields. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 284-286.	0.4	7
129	Pion scattering on the lattice with chirally improved fermions. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 308-310.	0.4	8
130	Remnant index theorem and low-lying eigenmodes for twisted mass fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 621, 195-200.	4.1	6
131	Masses of excited baryons from chirally improved quenched lattice QCD. Nuclear Physics A, 2005, 755, 481-484.	1.5	10
132	Preliminary results of the heavy-light meson spectrum using chirally improved light quarks. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 347-349.	0.4	2
133	Quantum Chromodynamics with Chiral Quarks. , 2005, , 409-418.		0
134	Lattice calculation of low energy constants with Ginsparg-Wilson type fermions. Physical Review D, 2005, 72, .	4.7	19
135	Center vortices and Dirac eigenmodes in SU(2) lattice gauge theory. Nuclear Physics B, 2005, 716, 105-127.	2.5	45
136	Low energy constants from the Chirally Improved Dirac operator D_CI. , 2005, , .		0
137	Pion form factor with chirally improved fermions. , 2005, , .		0
138	Excited meson spectroscopy with chirally improved fermions. , 2005, , .		0
139	Baryon spectroscopy with spatially improved quark sources. , 2005, , .		0
140	Low-lying spectrum for lattice Dirac operators with twisted mass. , 2005, , .		0
141	Topologically non-trivial field configurations - interplay of vortices and Dirac eigenmodes. , 2005, , .		0
142	Topological lumps and Dirac zero modes inSU(3)lattice gauge theory on the torus. Physical Review D, 2004, 69, .	4.7	23
143	Excited nucleons with chirally improved fermions. Physical Review D, 2004, 69, .	4.7	32
144	Spatially improved operators for excited hadrons on the lattice. Physical Review D, 2004, 70, .	4.7	49

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145	Low lying nucleons from chirally improved fermions. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 251-253.	0.4	3
146	Searching for KvBLL calorons in SU(3) lattice gauge field ensembles. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 653-658.	0.4	22
147	Quenched spectroscopy with fixed-point and chirally improved fermions. Nuclear Physics B, 2004, 677, 3-51.	2.5	83
148	Renormalization of bilinear quark operators for the chirally improved lattice Dirac operator. Nuclear Physics B, 2004, 694, 170-186.	2.5	25
149	Recent results from systematic parameterizations of Ginsparg-Wilson fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 122-130.	0.4	14
150	Quenched QCD with fixed-point and chirally improved fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 796-812.	0.4	16
151	New findings for topological excitations in SU(3) lattice gauge theory. Nuclear Physics B, 2003, 654, 30-60.	2.5	55
152	Calorons, instantons, and constituent monopoles in SU(3) lattice gauge theory. Physical Review D, 2003, 67, .	4.7	38
153	Lattice calculation of vector meson couplings to the vector and tensor currents using chirally improved fermions. Physical Review D, 2003, 68, .	4.7	44
154	Testing the Self-Duality of Topological Lumps in SU(3) Lattice Gauge Theory. Physical Review Letters, 2002, 88, 221601.	7.8	34
155	Chiral symmetry restoration and theZ3sectors of QCD. Physical Review D, 2002, 66, .	4.7	29
156	Setting the scale for the LÃ¼scher-Weisz action. Physical Review D, 2002, 65, .	4.7	59
157	Lattice QCD at finite temperature: Evidence for calorons from the eigenvectors of the Dirac operator. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 492-494.	0.4	3
158	Chirally improved Dirac operators: Studying the sensitivity to topological excitations for zero and finite temperature. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 551-559.	0.4	1
159	The topological susceptibility of SU(3) gauge theory near Tc. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 535, 358-362.	4.1	51
160	Improving the Dirac operator in lattice QCD. Computer Physics Communications, 2002, 147, 398-401.	7.5	5
161	Approximate Ginspargâ€“Wilson fermions: a first test. Nuclear Physics B, 2001, 597, 451-474.	2.5	105
162	Properties of near-zero modes and chiral symmetry breaking. Nuclear Physics B, 2001, 617, 101-116.	2.5	40

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163	A comprehensive picture of topological excitations in finite temperature lattice QCD. Nuclear Physics B, 2001, 618, 205-240.	2.5	45
164	Comparing lattice Dirac operators in smooth instanton backgrounds. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 522, 194-200.	4.1	19
165	New approach to Ginsparg-Wilson fermions. Physical Review D, 2001, 63, .	4.7	108
166	New approximate solutions of the Ginsparg-Wilson equation â€“ tests in 2-d. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 112-118.	4.1	22
167	Meron-cluster solution of fermion and other sign problems. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 777-791.	0.4	14
168	LOOPS, SURFACES AND GRASSMANN REPRESENTATION IN TWO- AND THREE-DIMENSIONAL ISING MODELS. International Journal of Modern Physics A, 1999, 14, 4549-4574.	1.5	6
169	A FORMULA FOR THE HOPPING EXPANSION OF EIGHT-VERTEX MODELS COUPLED TO AN EXTERNAL FIELD. International Journal of Modern Physics A, 1999, 14, 4853-4863.	1.5	4
170	Analyzing the spectrum of general, non-hermitian Dirac operators. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 871-873.	0.4	1
171	The chiral limit of the two-flavor lattice Schwinger model with Wilson fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 466, 287-292.	4.1	23
172	Hopping expansion as a tool for handling dual variables in lattice models. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 772-774.	0.4	2
173	Clover improvement, spectrum and Atiyah-Singer index theorem for the Dirac operator on the lattice. Nuclear Physics B, 1999, 541, 305-318.	2.5	12
174	Loop representation for 2D Wilson lattice fermions in a scalar background field. Nuclear Physics B, 1999, 543, 533-542.	2.5	13
175	The lattice Schwinger model as a discrete sum of filled Wilson loops. Nuclear Physics B, 1999, 559, 539-562.	2.5	12
176	Remarks on the realization of the Atiyah-Singer index theorem in lattice gauge theory. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 498-500.	0.4	7
177	Topology and duality in abelian lattice theories. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 425, 282-290.	4.1	1
178	On the spectrum of the Wilson-Dirac lattice operator in topologically non-trivial background configurations. Nuclear Physics B, 1998, 536, 363-380.	2.5	19
179	Topological charge and the spectrum of the fermion matrix in lattice QED2. Nuclear Physics B, 1997, 508, 329-352.	2.5	20
180	Quantum fluctuations versus topology â€” a study in U(1)2 lattice gauge theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 409, 371-376.	4.1	15

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181	Deconfinement Transition for Quarks on a Line. Annals of Physics, 1997, 256, 74-113.	2.8	13
182	Lattice Schwinger model with interpolated gauge fields. Physical Review D, 1996, 53, 5090-5099.	4.7	5
183	Lattice regularization of the chiral Schwinger model. Nuclear Physics B, 1996, 476, 374-394.	2.5	0
184	Discussing the U(1)-Problem of QED2without Instantons. Annals of Physics, 1996, 250, 389-419.	2.8	11
185	Functional Integral Approach to the N-Flavor Schwinger Model. Annals of Physics, 1994, 233, 97-124.	2.8	37
186	Scattering in a simple 2-d lattice model. Nuclear Physics, Section B, Proceedings Supplements, 1993, 30, 875-878.	0.4	4
187	Resonance scattering phase shifts in a 2d lattice model. Nuclear Physics B, 1993, 391, 463-482.	2.5	32
188	Monte Carlo study of resonance scattering in 2D lattice field theory. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 95-99.	4.1	16