Herbert Neuberger

List of Publications by Year
in descending order

50	4,878	218677	206112
papers	citations	26 h-index	48 g-index

52	52	52	705
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	LATTICE CHIRALITY AND ITS USES AT LARGE Nc. International Journal of Modern Physics A, 2006, 21, 707-712.	1.5	0
2	An Introduction to Lattice Chiral Fermions. , 2005, , 3-13.		0
3	A new fermion Hamiltonian for lattice gauge theory. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 760-762.	0.4	13
4	EXACTCHIRALSYMMETRY ON THELATTICE. Annual Review of Nuclear and Particle Science, 2001, 51, 23-52.	10.2	35
5	Exact local fermionic zero modes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 489, 243-250.	4.1	21
6	Chiral fermions on the lattice. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 67-76.	0.4	30
7	Tricks to implement the overlap Dirac operator. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 813-815.	0.4	1
8	Noncompact chiral U(1) gauge theories on the lattice. Physical Review D, 2000, 63, .	4.7	23
9	Alternative to domain wall fermions. Physical Review D, 2000, 62, .	4.7	24
10	Bounds on the Wilson Dirac operator. Physical Review D, 2000, 61, .	4.7	86
11	MINIMIZING STORAGE IN IMPLEMENTATIONS OF THE OVERLAP LATTICE-DIRAC OPERATOR. International Journal of Modern Physics C, 1999, 10, 1051-1057.	1.7	25
12	Overlap lattice Dirac operator and dynamical fermions. Physical Review D, 1999, 60, .	4.7	18
13	Geometrical aspects of chiral anomalies in the overlap. Physical Review D, 1999, 59, .	4.7	44
14	Lattice chirality. Nuclear Physics, Section B, Proceedings Supplements, 1999, 73, 697-699.	0.4	15
15	Exactly massless quarks on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 417, 141-144.	4.1	1,037
16	More about exactly massless quarks on the lattice. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 427, 353-355.	4.1	536
17	Explicitly real form of the Wilson-Dirac matrix for SU(2). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 434, 99-102.	4.1	6
18	Overlap in odd dimensions. Nuclear Physics B, 1998, 513, 735-757.	2.5	52

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19	Exponential suppression of radiatively induced mass in the truncated overlap. Nuclear Physics B, 1998, 526, 572-596.	2.5	22
20	Vectorlike gauge theories with almost massless fermions on the lattice. Physical Review D, 1998, 57, 5417-5433.	4.7	229
21	A Practical Implementation of the Overlap Dirac Operator. Physical Review Letters, 1998, 81, 4060-4062.	7.8	136
22	Regularization of chiral gauge theories. Foundations of Physics, 1997, 27, 93-99.	1.3	2
23	Massless composite fermions in two dimensions and the overlap. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 360-367.	4.1	22
24	Finite size corrections in two dimensional gauge theories and a quantitative chiral test of the overlap. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 399, 105-112.	4.1	33
25	Anomaly free U(1) chiral gauge theories on a two-dimensional torus. Nuclear Physics B, 1996, 477, 521-545.	2.5	28
26	Overlap formulation of Majorana-Weyl fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 291-295.	4.1	26
27	A simulation of the Schwinger model in the overlap formalism. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 507-512.	4.1	51
28	A construction of lattice chiral gauge theories. Nuclear Physics B, 1995, 443, 305-385.	2.5	553
29	Generalized Ensemble of Random Matrices. Physical Review Letters, 1994, 73, 1497-1500.	7.8	99
30	Chiral determinant as an overlap of two vacua. Nuclear Physics B, 1994, 412, 574-606.	2.5	296
31	Infinitely many regulator fields for chiral fermions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 62-69.	4.1	310
32	A better large N expansion for chiral Yukawa models. Nuclear Physics, Section B, Proceedings Supplements, 1993, 30, 635-638.	0.4	1
33	Large-N analysis of the Higgs mass triviality bound. Nuclear Physics B, 1993, 399, 271-348.	2.5	25
34	Numerical analysis of the Higgs mass triviality bound. Nuclear Physics B, 1993, 405, 555-573.	2.5	47
35	Chiral fermions on the lattice. Physical Review Letters, 1993, 71, 3251-3254.	7.8	274
36	Non-perturbative bounds on the Higgs mass in the minimal standard model. Nuclear Physics, Section B, Proceedings Supplements, 1992, 29, 19-32.	0.4	2

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37	Chiral Yukawa models in the planar limit. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 293, 417-422.	4.1	4
38	Ï†4 on F4: Numerical results. Nuclear Physics B, 1991, 353, 551-564.	2.5	39
39	Matrix models for (p, q) matter on unoriented surfaces. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 257, 45-50.	4.1	4
40	Better Way to Measure fx in the Linear Ïƒ Model. Current Physics Sources and Comments, 1991, , 373-376.	0.0	0
41	Lattice higgs and Yukawa models. Nuclear Physics, Section B, Proceedings Supplements, 1990, 17, 17-28.	0.4	15
42	Finite-size effects in Heisenberg antiferromagnets. Physical Review B, 1989, 39, 2608-2618.	3.2	171
43	Three tricks for simulating the scalar sector of the Weinberg-Salam model. Nuclear Physics, Section B, Proceedings Supplements, 1988, 4, 501-504.	0.4	4
44	The finite-size effects of goldstone bosons in Monte Carlo simulations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 207, 189-193.	4.1	26
45	Soft pions in large boxes. Nuclear Physics B, 1988, 300, 180-196.	2.5	54
46	Better way to measureflÏ€in the linearÏƒmodel. Physical Review Letters, 1988, 60, 889-892.	7.8	83
47	Adlerâ€™s overrelaxation algorithm for Goldstone bosons. Physical Review Letters, 1987, 59, 1877-1880.	7.8	27
48	Spinless fields on F4 lattices. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 199, 536-540.	4.1	35
49	The density of states of a two-dimensional electron gas in a random external magnetic field. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 139, 67-69.	4.1	13
50	How to Get an Upper Bound on the Higgs Mass. Physical Review Letters, 1983, 50, 1897-1900.	7.8	280