

# Philippe De Forcrand

## List of Publications by Year in descending order

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49  
papers

2,765  
citations

279798

23  
h-index

197818

49  
g-index

49  
all docs

49  
docs citations

49  
times ranked

857  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong-coupling lattice QCD on anisotropic lattices. Physical Review D, 2018, 97, .	4.7	10
2	Topological susceptibility of the 2D O(3) model under gradient flow. Physical Review D, 2018, 98, .	4.7	4
3	Topological Susceptibility under Gradient Flow. EPJ Web of Conferences, 2018, 175, 11024.	0.3	2
4	Two-flavor lattice QCD with a finite density of heavy quarks: heavy-dense limit and $\epsilon$ -particle-hole symmetry. Journal of High Energy Physics, 2016, 2016, 1.	4.7	8
5	U(1) lattice gauge theory with a topological action. Journal of High Energy Physics, 2015, 2015, 1.	4.7	10
6	Topological susceptibility from slabs. Journal of High Energy Physics, 2015, 2015, 1-18.	4.7	8
7	Euclidean Dynamical Triangulation revisited: is the phase transition really 1st order?. Journal of High Energy Physics, 2015, 2015, 1.	4.7	12
8	Lattice gauge theory without link variables. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
9	Chiral phase transition in two-flavor QCD from an imaginary chemical potential. Physical Review D, 2014, 90, .	4.7	69
10	Dynamical mean field approximation applied to quantum field theory. Physical Review D, 2013, 88, .	4.7	12
11	Numerical properties of staggered quarks with a taste-dependent mass term. Journal of High Energy Physics, 2012, 2012, 1.	4.7	13
12	The phase diagram of Yang-Mills theory with a compact extra dimension. Journal of High Energy Physics, 2010, 2010, 1.	4.7	28
13	Lattice QCD thermodynamics on the Grid. Computer Physics Communications, 2010, 181, 1715-1726.	7.5	17
14	Constraining the QCD Phase Diagram by Tricritical Lines at Imaginary Chemical Potential. Physical Review Letters, 2010, 105, 152001.	7.8	136
15	The chiral critical point of $N_f = 3$ QCD at finite density to the order $(\hat{1}/4)T^4$ . Journal of High Energy Physics, 2008, 2008, 012-012.	4.7	119
16	The chiral critical line of $N_f = 2+1$ QCD at zero and non-zero baryon density. Journal of High Energy Physics, 2007, 2007, 077-077.	4.7	199
17	Finite density QCD with a canonical approach. Nuclear Physics, Section B, Proceedings Supplements, 2006, 153, 62-67.	0.4	103
18	QCD at zero baryon density and the Polyakov loop paradox. Physical Review D, 2006, 73, .	4.7	33

#	ARTICLE	IF	CITATIONS
19	Testing and tuning symplectic integrators for the hybrid Monte Carlo algorithm in lattice QCD. Physical Review E, 2006, 73, 036706.	2.1	106
20	Precision lattice calculation of SU(2) $\hat{\epsilon}^{\text{TMt}}$ Hooft loops. Physical Review D, 2005, 72, .	4.7	28
21	Electromagnetic fluxes, monopoles, and the order of 4d compact U(1) phase transition. Nuclear Physics B, 2004, 686, 85-118.	2.5	31
22	QCD at Zero Baryon Density. Progress of Theoretical Physics Supplement, 2004, 153, 330-334.	0.1	6
23	Electric and magnetic fluxes in SU(2) Yang-Mills theory. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 655-657.	0.4	8
24	The QCD phase diagram for three degenerate flavors and small baryon density. Nuclear Physics B, 2003, 673, 170-186.	2.5	266
25	Comparison of SO(3) and SU(2) lattice gauge theory. Nuclear Physics B, 2003, 651, 125-142.	2.5	37
26	$\hat{\epsilon}^{\text{TMt}}$ Hooft loops, electric flux sectors, and confinement in SU(2) Yang-Mills theory. Physical Review D, 2002, 66, .	4.7	51
27	ODD-FLAVOR HYBRID MONTE CARLO ALGORITHM FOR LATTICE QCD. International Journal of Modern Physics C, 2002, 13, 343-365.	1.7	18
28	The QCD phase diagram for small densities from imaginary chemical potential. Nuclear Physics B, 2002, 642, 290-306.	2.5	586
29	Finite-size scaling of interface free energies in the 3d Ising model. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 914-916.	0.4	17
30	't Hooft Loop in SU(2) Yang-Mills Theory. Physical Review Letters, 2001, 86, 1438-1441.	7.8	93
31	Efficiency of the UV-filtered multiboson algorithm. Physical Review D, 2000, 61, .	4.7	13
32	Monte Carlo quasi-heat-bath by approximate inversion. Physical Review E, 1999, 59, 3698-3701.	2.1	15
33	Deconfinement phase transition in one-flavor QCD. Physical Review D, 1999, 60, .	4.7	54
34	The MultiBoson method. Parallel Computing, 1999, 25, 1341-1355.	2.1	3
35	Relevance of Center Vortices to QCD. Physical Review Letters, 1999, 82, 4582-4585.	7.8	199
36	One-flavour QCD at finite temperature. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 406-408.	0.4	11

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37	Adaptive step size for the hybrid Monte Carlo algorithm. <i>Physical Review E</i> , 1997, 55, 3658-3663.	2.1	1
38	Topology of the SU (2) vacuum: a lattice study using improved cooling. <i>Nuclear Physics B</i> , 1997, 499, 409-449.	2.5	121
39	Thermodynamics of 1-flavor QCD. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1997, 53, 435-437.	0.4	4
40	Fast fermion Monte Carlo. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1997, 53, 968-970.	0.4	44
41	Progress on lattice QCD algorithms. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1996, 47, 228-235.	0.4	22
42	Systematic errors of Lüscher's fermion method and its extensions. <i>Nuclear Physics B</i> , 1995, 454, 645-660.	2.5	54
43	Glueball wave functions in lattice gauge calculations. <i>Physical Review Letters</i> , 1992, 69, 245-248.	7.8	37
44	Multigrid techniques for quark propagator. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 1989, 9, 516-520.	0.4	21
45	COMPARISON OF UPDATE ALGORITHMS FOR PURE GAUGE SU(3). <i>Modern Physics Letters A</i> , 1988, 03, 1367-1378.	1.2	37
46	Lattice QCD with dynamical wilson fermions. <i>Nuclear Physics A</i> , 1987, 461, 361-366.	1.5	2
47	QCD from Chippewa Falls. <i>Journal of Statistical Physics</i> , 1986, 43, 1077-1094.	1.2	17
48	Spin-Dependent Potentials in SU (3) Lattice Gauge Theory. <i>Physical Review Letters</i> , 1985, 55, 1254-1257.	7.8	46
49	Fast algorithms for fermionic Monte Carlo. <i>Nuclear Physics B</i> , 1985, 261, 613-632.	2.5	20