Andreas S Kronfeld

List of Publications by Year
in descending order

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31 papers	1,174 citations	430843 18 h-index	526264 27 g-index
32 all docs	32 docs citations	32 times ranked	986 citing authors

#	Article	IF	Citations
1	Massive fermions in lattice gauge theory. Physical Review D, 1997, 55, 3933-3957.	4.7	317
2	Mass of theBcMeson in Three-Flavor Lattice QCD. Physical Review Letters, 2005, 94, 172001.	7.8	85
3	Semileptonic decaysBâ†'Ï€lÎ½andDâ†'Ï€lÎ½from lattice QCD. Physical Review D, 2001, 64, .	4.7	80
4	Application of heavy-quark effective theory to lattice QCD: Power corrections. Physical Review D, 2000, 62, .	4.7	61
5	Twenty-First Century Lattice Gauge Theory: Results from the Quantum Chromodynamics Lagrangian. Annual Review of Nuclear and Particle Science, 2012, 62, 265-284.	10.2	61
6	Lattice calculation of the zero-recoil form factor ofBÂ¯â†'D*lÎ½Â¯:Toward a model independent determination of|Vcb|. Physical Review D, 2002, 66, .	4.7	53
7	Exascale applications: skin in the game. Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences, 2020, 378, 20190056.	3.4	53
8	Remark on the theoretical uncertainty in B0â€“ mixing. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 543, 59-65.	4.1	50
9	New lattice action for heavy quarks. Physical Review D, 2008, 78, .	4.7	48
10	Heavy quarks and lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 46-59.	0.4	43
11	Application of heavy-quark effective theory to lattice QCD. II. Radiative corrections to heavy-light currents. Physical Review D, 2002, 65, .	4.7	42
12	Lattice QCD and neutrino-nucleus scattering. European Physical Journal A, 2019, 55, 1.	2.5	41
13	Application of heavy-quark effective theory to lattice QCD. III. Radiative corrections to heavy-heavy currents. Physical Review D, 2002, 65, .	4.7	32
14	O(a)-improved quark action on anisotropic lattices and perturbative renormalization of heavy-light currents. Physical Review D, 2001, 64, .	4.7	30
15	Staggered fermions, zero modes, and flavor-singlet mesons. Physical Review D, 2011, 84, .	4.7	30
16	Opportunities for Lattice QCD in quark and lepton flavor physics. European Physical Journal A, 2019, 55, 1.	2.5	24
17	Improved methods for computing masses from numerical simulations. Nuclear Physics, Section B, Proceedings Supplements, 1990, 17, 313-316.	0.4	22
18	Binding energies in nonrelativistic field theories. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 401-404.	0.4	18

#	Article	IF	Citations
19	Dynamics of Langevin Simulations. Progress of Theoretical Physics Supplement, 1993, 111, 293-311.	0.1	13
20	Topical Issue on Opportunities for Lattice Gauge Theory in the Era of Exascale Computing. European Physical Journal A, 2019, 55, 1.	2.5	13
21	Lattice Gauge Theory and the Origin of Mass. , 2013, , 493-518.		9
22	Perturbative calculation ofO(a)improvement coefficients. Physical Review D, 2003, 67, .	4.7	8
23	The Weight of the World Is Quantum Chromodynamics. Science, 2008, 322, 1198-1199.	12.6	8
24	Splittings of low-lying charmonium masses at the physical point. Physical Review D, 2019, 99, .	4.7	7
25	USES OF EFFECTIVE FIELD THEORY IN LATTICE QCD. , 2002, , 2412-2477.		6
26	Nucleon mass with highly improved staggered quarks. Physical Review D, 2021, 103, .	4.7	5
27	Heavy-quark meson spectrum tests of the Oktayâ€“Kronfeld action. European Physical Journal C, 2017, 77, 1.	3.9	2
28	Computing nucleon charges with highly improved staggered quarks. Physical Review D, 2021, 103, .	4.7	1
29	Computation of Î›Ì„, and Î»1 with lattice QCD. , 2000, 490, 228-228.		1
30	Determining Î±s using lattice gauge theory. AIP Conference Proceedings, 1992, , .	0.4	0
31	Remark on the theoretical uncertainty inB0 â^'BÂ¯0 mixing. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 622-624.	0.4	0