

Stephen R Sharpe

List of Publications by Year in descending order

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69
papers

2,767
citations

186265

28
h-index

175258

52
g-index

72
all docs

72
docs citations

72
times ranked

741
citing authors

#	ARTICLE	IF	CITATIONS
19	Applying the relativistic quantization condition to a three-particle bound state in a periodic box. Physical Review D, 2017, 95, .	4.7	33
20	Relating the finite-volume spectrum and the two-and-three-particle S matrix for relativistic systems of identical scalar particles. Physical Review D, 2017, 95, .	4.7	120
21	Testing the threshold expansion for three-particle energies at fourth order in \bar{I}^4 theory. Physical Review D, 2017, 96, .	4.7	26
22	Progress in three-particle scattering from LQCD. EPJ Web of Conferences, 2017, 137, 05004.	0.3	3
23	Perturbative results for two- and three-particle threshold energies in finite volume. Physical Review D, 2016, 93, .	4.7	44
24	Kaon BSM B -parameters using improved staggered fermions from N QCD. Physical Review D, 2016, 93, .	4.7	21
25	Threshold expansion of the three-particle quantization condition. Physical Review D, 2016, 93, .	4.7	64
26	Impact of electromagnetism on phase structure for Wilson and twisted-mass fermions including isospin breaking. Physical Review D, 2015, 92, .	4.7	3
27	Expressing the three-particle finite-volume spectrum in terms of the three-to-three scattering amplitude. Physical Review D, 2015, 92, .	4.7	144
28	Phase structure with nonzero \hat{Q} CD and twisted mass fermions. Physical Review D, 2015, 92, .	4.7	2
29	Relativistic, model-independent, three-particle quantization condition. Physical Review D, 2014, 90, .	4.7	158
30	Phase diagram of nondegenerate twisted mass fermions. Physical Review D, 2014, 90, .	4.7	5
31	Improved determination of B_K with staggered quarks. Physical Review D, 2014, 89, .	4.7	12
32	Toolkit for staggered $\hat{S}=2$ matrix elements. Physical Review D, 2014, 90, .	4.7	1
33	Neutral kaon mixing from new physics: Matrix elements in $N_f=2+1$ lattice QCD. Physical Review D, 2013, 88, .	4.7	14
34	Nonperturbative renormalization for improved staggered bilinears. Physical Review D, 2013, 88, .	4.7	9
35	Kaon mixing matrix elements from beyond-the-standard-model operators in staggered chiral perturbation theory. Physical Review D, 2012, 85, .	4.7	12
36	Large- N reduction in QCD with two adjoint Dirac fermions. Physical Review D, 2012, 85, .	4.7	14

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37	Multiple-channel generalization of Lellouch-Lüscher formula. Physical Review D, 2012, 86, .	4.7	201
38	Kaon parameter from Improved Staggered Fermions in $N_f=2+1$ QCD. Physical Review Letters, 2012, 109, 041601.	7.8	23
39	Constraint on the low energy constants of Wilson chiral perturbation theory. Physical Review D, 2012, 85, .	4.7	16
40	Determining low-energy constants in partially quenched Wilson chiral perturbation theory. Physical Review D, 2012, 85, .	4.7	9
41	One-loop matching of improved four-fermion staggered operators with an improved gluon action. Physical Review D, 2011, 83, .	4.7	9
42	Finite volume effects in BK with improved staggered fermions. Physical Review D, 2011, 83, .	4.7	12
43	One-loop matching factors for staggered bilinear operators with improved gauge actions. Physical Review D, 2010, 81, .	4.7	6
44	HYP-smearred staggered fermions in $N_f=2+1$ QCD. Physical Review D, 2010, 82, .	4.7	30
45	Vector and axial currents in Wilson chiral perturbation theory. Physical Review D, 2009, 80, .	4.7	6
46	$\hat{\epsilon}^{\text{TM}}$ Hooft vertices, partial quenching, and rooted staggered QCD. Physical Review D, 2008, 77, .	4.7	28
47	Reply to $\hat{\epsilon}^{\text{TM}}$ Comment on $\hat{\epsilon}^{\text{TM}}$ Hooft vertices, partial quenching, and rooted staggered QCD. Physical Review D, 2008, 78, .	4.7	10
48	Taste symmetry breaking with hypercubic-smearred staggered fermions. Physical Review D, 2008, 77, .	4.7	8
49	APPLICATIONS OF CHIRAL PERTURBATION THEORY TO LATTICE QCD. , 2007, , .		1
50	Discretization errors in the spectrum of the Hermitian Wilson-Dirac operator. Physical Review D, 2006, 74, .	4.7	23
51	Scaling behavior of discretization errors in renormalization and improvement constants. Physical Review D, 2006, 73, .	4.7	8
52	Improved bilinears in lattice QCD with nondegenerate quarks. Physical Review D, 2006, 73, .	4.7	57
53	Twisted mass chiral perturbation theory at next-to-leading order. Physical Review D, 2005, 71, .	4.7	64
54	Observations on discretization errors in twisted-mass lattice QCD. Physical Review D, 2005, 72, .	4.7	24

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55	Testing improved staggered fermions withmsandBK. Physical Review D, 2005, 71, .	4.7	11
56	Effective theory for quenched lattice QCD and the Aoki phase. Physical Review D, 2005, 71, .	4.7	24
57	Finite-volume effects for two-hadron states in moving frames. Nuclear Physics B, 2005, 727, 218-243.	2.5	227
58	Unphysical operators in partially quenched QCD. Physical Review D, 2004, 69, .	4.7	21
59	Phase diagram of twisted mass lattice QCD. Physical Review D, 2004, 70, .	4.7	58
60	One-loop matching coefficients for improved staggered bilinears. Physical Review D, 2002, 66, .	4.7	31
61	PHYSICAL RESULTS FROM PARTIALLY QUENCHED SIMULATIONS. International Journal of Modern Physics A, 2001, 16, 1219-1224.	1.5	17
62	Staggered fermion matrix elements using smeared operators. Physical Review D, 1998, 57, 1654-1665.	4.7	27
63	Matrix elements of four-fermion operators with quenched Wilson fermions. Physical Review D, 1997, 55, 4036-4054.	4.7	88
64	Perturbative corrections for staggered four-fermion operators. Nuclear Physics B, 1994, 417, 307-356.	2.5	45
65	Perturbative corrections for staggered fermion bilinears. Nuclear Physics B, 1993, 395, 701-732.	2.5	49
66	Lattice calculation of $l = 2$ pion scattering length. Nuclear Physics B, 1992, 383, 309-354.	2.5	84
67	A tool kit for staggered fermions. Nuclear Physics B, 1987, 283, 493-550.	2.5	113
68	Weak interaction matrix elements with staggered fermions (I). Theory and a trial run. Nuclear Physics B, 1987, 286, 253-292.	2.5	52
69	Lattice QCD: Going beyond the mass spectrum. Journal of Statistical Physics, 1986, 43, 1129-1145.	1.2	1