

R Sugar

List of Publications by Year in descending order

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58
papers

7,213
citations

109137

35
h-index

143772

57
g-index

58
all docs

58
docs citations

58
times ranked

5996
citing authors

#	ARTICLE	IF	CITATIONS
1	The anomalous magnetic moment of the muon in the Standard Model. Physics Reports, 2020, 887, 1-166.	10.3	790
2	Chiral and deconfinement aspects of the QCD transition. Physical Review D, 2012, 85, .	1.6	752
3	Equation of state in ($\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" \rangle T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50$) QCD. Physical Review D, 2014, 90, .	1.6	694
4	Linear Integral Equations for Relativistic Multichannel Scattering. Physical Review, 1966, 142, 1051-1059.	2.7	693
5	Equation of state and QCD transition at finite temperature. Physical Review D, 2009, 80, .	1.6	424
6	Nonperturbative QCD simulations with $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mrow \rangle \langle mml:mn \rangle 2 \langle mml:mn \rangle \langle mml:mo \rangle + \langle mml:mo \rangle \langle mml:mn \rangle 1 \langle mml:mn \rangle \langle mml:mrow \rangle \langle mml:math \rangle$ flavors of improved staggered quarks. Reviews of Modern Physics, 2010, 82, 1349-1417.	1.6	215
7	High-Precision Lattice QCD Confronts Experiment. Physical Review Letters, 2004, 92, 022001.	2.9	276
8	Light hadrons with improved staggered quarks: Approaching the continuum limit. Physical Review D, 2004, 70, .	1.6	253
9	Light pseudoscalar decay constants, quark masses, and low energy constants from three-flavor lattice QCD. Physical Review D, 2004, 70, .	1.6	246
10	Fluctuations and correlations of net baryon number, electric charge, and strangeness: A comparison of lattice QCD results with the hadron resonance gas model. Physical Review D, 2012, 86, .	1.6	211
11	QCD thermodynamics with three flavors of improved staggered quarks. Physical Review D, 2005, 71, .	1.6	196
12	Variational Upper and Lower Bounds for Multichannel Scattering. Physical Review, 1964, 136, B472-B491.	2.7	175
13	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mi \rangle B \langle mml:mi \rangle \langle mml:mo \rangle \hat{\alpha} \langle mml:mo \rangle \langle mml:mi \rangle D \langle mml:mi \rangle \langle mml:mo \rangle \hat{\alpha}, \langle mml:mo \rangle \langle mml:mi \rangle \hat{1}/2 \langle mml:mi \rangle \langle mml:math \rangle$ form factors at nonzero recoil and $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mrow \rangle \langle mml:mo \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle V \langle mml:mi \rangle \langle mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mi \rangle c \langle mml:mi \rangle \langle mml:math \rangle$	1.6	163
14	Semileptonic Decays of DMesons in Three-Flavor Lattice QCD. Physical Review Letters, 2005, 94, 011601.	2.9	141
15	Charmed-Meson Decay Constants in Three-Flavor Lattice QCD. Physical Review Letters, 2005, 95, 122002.	2.9	126
16	$\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mi \rangle B \langle mml:mi \rangle \langle mml:math \rangle -$ and $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mi \rangle D \langle mml:mi \rangle \langle mml:math \rangle -$ meson decay constants from three-flavor lattice QCD. Physical Review D, 2012, 85, .	1.6	126
17	Semileptonic and decays in flavor lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 461-463.	0.5	113
18	Update of $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mrow \rangle \langle mml:mo \rangle \langle mml:msub \rangle \langle mml:mrow \rangle \langle mml:mi \rangle V \langle mml:mi \rangle \langle mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mi \rangle c \langle mml:mi \rangle \langle mml:math \rangle$ from the $\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle mml:mrow \rangle \langle mml:mover accent="true" \rangle \langle mml:mrow \rangle \langle mml:mi \rangle B \langle mml:mi \rangle \langle mml:mrow \rangle \langle mml:mrow \rangle \langle mml:mo \rangle$	1.6	107

#	ARTICLE	IF	CITATIONS
19	$V = \frac{1}{2} B \cdot u$ from B decays		

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37	$ V_{us} $ from lattice QCD. Physical Review D, 2019, 100, .	1.6	33
38	$K \rightarrow \pi \pi$ decay from lattice QCD. Physical Review D, 2019, 100, .		
39	Visualization of semileptonic form factors from lattice QCD. Physical Review D, 2009, 80, .	1.6	28
40	Kaon semileptonic vector form factor and determination of $ V_{us} $ using staggered fermions. Physical Review D, 2013, 87, .	1.6	27
41	Short-distance matrix elements for $D \rightarrow 0$ -meson mixing from lattice QCD. Physical Review D, 2018, 97, .	1.6	21
42	Continuum Limit of Lattice QCD with Staggered Quarks in the Quenched Approximation: A Critical Role for the Chiral Extrapolation. Physical Review Letters, 1998, 81, 3087-3090.	2.9	20
43	Neutral B-meson mixing from three-flavor lattice quantum chromodynamics: Determination of the SU(3)-breaking ratio $\frac{1}{4}$. Physical Review D, 2012, 86, .	1.6	20
44	fB for various actions: approaching the continuum limit with dynamical fermions. Nuclear Physics, Section B, Proceedings Supplements, 2001, 94, 346-349.	0.5	16
45	Heavy-light decay constants with dynamical gauge configurations and wilson or improved valence quark actions. Nuclear Physics, Section B, Proceedings Supplements, 2000, 83-84, 289-291.	0.5	12
46	Leptonic decay constants and in three flavor lattice QCD. Nuclear Physics, Section B, Proceedings Supplements, 2005, 140, 443-445.	0.5	10
47	Heavy-light decay constants with three dynamical flavors. Nuclear Physics, Section B, Proceedings Supplements, 2002, 106-107, 412-414.	0.5	9
48	Exotic hybrid mesons from improved Kogut-Susskind fermions. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 260-262.	0.5	7
49	Preliminary heavy-light decay constants from the MILC collaboration. Nuclear Physics, Section B, Proceedings Supplements, 1995, 42, 388-390.	0.5	6
50	Update on fB. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 358-361.	0.5	5
51	PREDICTIVE LATTICE QCD. International Journal of Modern Physics A, 2006, 21, 713-719.	0.5	5
52	Heavy-light decay constants from Wilson and static quarks. Nuclear Physics, Section B, Proceedings Supplements, 1998, 63, 362-364.	0.5	4
53	Excited states in staggered meson propagators. Nuclear Physics, Section B, Proceedings Supplements, 2004, 129-130, 230-232.	0.5	4
54	$B \rightarrow K$ form factors with 2+1 flavors. EPJ Web of Conferences, 2018, 175, 13008.	0.1	4

#	ARTICLE	IF	CITATIONS
55	The continuum limit in the quenched approximation. Nuclear Physics, Section B, Proceedings Supplements, 1996, 47, 345-349.	0.5	3
56	tfB quenched and unquenched. Nuclear Physics, Section B, Proceedings Supplements, 1996, 47, 459-462.	0.5	3
57	A comparison of improved cooling and hypercubic smearing for topology on dynamical Asqtad lattices. Nuclear Physics, Section B, Proceedings Supplements, 2003, 119, 769-771.	0.5	3
58	B mixing on the lattice: f_{B_s} , $f_{B_s^*}$ and related quantities. , 1998, , .		0