

Karl Jansen

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

2,303
citations

186265
28
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206112
48
g-index

53
all docs

53
docs citations

53
times ranked

746
citing authors

#	ARTICLE	IF	CITATIONS
1	Transversity GPDs of the proton from lattice QCD. Physical Review D, 2022, 105, .	4.7	15
2	Lattice QCD Study of Transverse-Momentum Dependent Soft Function. Physical Review Letters, 2022, 128, 062002.	7.8	30
3	Flavor Decomposition for the Proton Helicity Parton Distribution Functions. Physical Review Letters, 2021, 126, 102003.	7.8	24
4	Lattice continuum-limit study of nucleon parton quasidistribution functions. Physical Review D, 2021, 103, .	4.7	32
5	Flavor decomposition of the nucleon unpolarized, helicity, and transversity parton distribution functions from lattice QCD simulations. Physical Review D, 2021, 104, .	4.7	21
6	Quark and Gluon Momentum Fractions in the Pion from $\langle N f \rangle$ Lattice QCD. Physical Review Letters, 2021, 127, 252001.	7.8	5
7	Ruling Out the Massless Up-Quark Solution to the Strong $C P$ Problem by Computing the Topological Mass Contribution with Lattice QCD. Physical Review Letters, 2020, 125, 232001.	7.8	9
8	Parton distribution functions of $\langle \bar{p} \rangle$ on the lattice. Physical Review D, 2020, 102, .	4.7	34
9	Improvement, generalization, and scheme conversion of Wilson-line operators on the lattice in the auxiliary field approach. Physical Review D, 2020, 101, .	4.7	28
10	Unpolarized and Helicity Generalized Parton Distributions of the Proton within Lattice QCD. Physical Review Letters, 2020, 125, 262001.	7.8	63
11	Systematic uncertainties in parton distribution functions from lattice QCD simulations at the physical point. Physical Review D, 2019, 99, .	4.7	67
12	Simulation of an ensemble of $N_f = 2 + 1 + 1$ twisted mass cloverimproved fermions at physical quark masses. EPJ Web of Conferences, 2018, 175, 02003.	0.3	3
13	Progress in computing parton distribution functions from the quasi-PDF approach. EPJ Web of Conferences, 2018, 175, 06021.	0.3	2
14	Computation of parton distributions from the quasi-PDF approach at the physical point. EPJ Web of Conferences, 2018, 175, 14008.	0.3	16
15	Transversity parton distribution functions from lattice QCD. Physical Review D, 2018, 98, .	4.7	91
16	Light-Cone Parton Distribution Functions from Lattice QCD. Physical Review Letters, 2018, 121, 112001.	7.8	119
17	Simulating twisted mass fermions at physical light, strange, and charm quark masses. Physical Review D, 2018, 98, .	4.7	58
18	Topological susceptibility from twisted mass fermions using spectral projectors and the gradient flow. Physical Review D, 2018, 97, .	4.7	20

#	ARTICLE	IF	CITATIONS
19	A complete non-perturbative renormalization prescription for quasi-PDFs. Nuclear Physics B, 2017, 923, 394-415.	2.5	137
20	Updated lattice results for parton distributions. Physical Review D, 2017, 96, .	4.7	100
21	Leading-order hadronic contributions to the lepton anomalous magnetic moments from the lattice. EPJ Web of Conferences, 2016, 118, 01029.	0.3	3
22	Leading-order hadronic contributions to the electron and tau anomalous magnetic moments. European Physical Journal C, 2016, 76, 1.	3.9	6
23	Strangeness of the nucleon from lattice QCD. Physical Review D, 2015, 91, .	4.7	12
24	Lattice calculation of parton distributions. Physical Review D, 2015, 92, .	4.7	137
25	Leading hadronic contributions to the running of the electroweak coupling constants from lattice QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	13
26	First moment of the flavour octet nucleon parton distribution function using lattice QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	5
27	Non-perturbative test of the Witten-Veneziano formula from lattice QCD. Journal of High Energy Physics, 2015, 2015, 1.	4.7	18
28	The hadronic vacuum polarization and automatic $\mathcal{O}(a)$ improvement for twisted mass fermions. Journal of High Energy Physics, 2015, 2015, 1.	4.7	9
29	Topological susceptibility from the twisted mass Dirac operator spectrum. Journal of High Energy Physics, 2014, 2014, 1.	4.7	14
30	Four-flavour leading-order hadronic contribution to the muon anomalous magnetic moment. Journal of High Energy Physics, 2014, 2014, 1.	4.7	48
31	Preliminary results from maximally twisted mass lattice QCD at the physical point. , 2014, , .		3
32	Chiral condensate from the twisted mass Dirac operator spectrum. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
33	Overlap valence quarks on a twisted mass sea: A case study for mixed action lattice QCD. Nuclear Physics B, 2013, 869, 131-163.	2.5	13
34	$\Lambda_{\overline{\text{MS}}}$ from the static potential for QCD with $n_f = 2$ dynamical quark flavors. Journal of High Energy Physics, 2012, 2012, 1.	4.7	33
35	Computing K and D meson masses with twisted mass lattice QCD. Computer Physics Communications, 2011, 182, 299-316.	7.5	56
36	DARK MATTER SEARCH AND THE SCALAR QUARK CONTENTS OF THE NUCLEON. International Journal of Modern Physics E, 2011, 20, 110-117.	1.0	11

