

Jian-Hui Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

2,502
citations

147801

31
h-index

330143

37
g-index

40
all docs

40
docs citations

40
times ranked

532
citing authors

#	ARTICLE	IF	CITATIONS
1	Electron-ion collider in China. <i>Frontiers of Physics</i> , 2021, 16, 1.	5.0	208
2	Nucleon helicity and transversity parton distributions from lattice QCD. <i>Nuclear Physics B</i> , 2016, 911, 246-273.	2.5	164
3	One-loop matching for parton distributions: Nonsinglet case. <i>Physical Review D</i> , 2014, 90, .	4.7	133
4	Pion distribution amplitude from lattice QCD. <i>Physical Review D</i> , 2017, 95, .	4.7	111
5	Large-momentum effective theory. <i>Reviews of Modern Physics</i> , 2021, 93, .	45.6	109
6	Renormalization in Large Momentum Effective Theory of Parton Physics. <i>Physical Review Letters</i> , 2018, 120, 112001.	7.8	106
7	Parton distribution function with nonperturbative renormalization from lattice QCD. <i>Physical Review D</i> , 2018, 97, .	4.7	97
8	Improved quasi parton distribution through Wilson line renormalization. <i>Nuclear Physics B</i> , 2017, 915, 1-9.	2.5	87
9	First direct lattice-QCD calculation of the $\langle x \rangle$ -dependence of the pion parton distribution function. <i>Physical Review D</i> , 2019, 100, .	4.7	86
10	Parton distributions and lattice-QCD calculations: Toward 3D structure. <i>Progress in Particle and Nuclear Physics</i> , 2021, 121, 103908.	14.4	86
11	One-loop matching for generalized parton distributions. <i>Physical Review D</i> , 2015, 92, .	4.7	85
12	More on large-momentum effective theory approach to parton physics. <i>Nuclear Physics B</i> , 2017, 924, 366-376.	2.5	77
13	Pion distribution amplitude from Euclidean correlation functions: Exploring universality and higher-twist effects. <i>Physical Review D</i> , 2018, 98, .	4.7	73
14	Proton Isovector Helicity Distribution on the Lattice at Physical Pion Mass. <i>Physical Review Letters</i> , 2018, 121, 242003.	7.8	73
15	One-loop matching for transversity generalized parton distribution. <i>Physical Review D</i> , 2015, 92, .	4.7	67
16	Renormalization of quasiparton distribution. <i>Physical Review D</i> , 2015, 92, .	4.7	64
17	Accessing Gluon Parton Distributions in Large Momentum Effective Theory. <i>Physical Review Letters</i> , 2019, 122, 142001.	7.8	64
18	Pion distribution amplitude from Euclidean correlation functions. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	63

#	ARTICLE	IF	CITATIONS
19	Power corrections and renormalons in parton quasidistributions. <i>Physical Review D</i> , 2019, 99, .	4.7	62
20	Kaon distribution amplitude from lattice QCD and the flavor SU(3) symmetry. <i>Nuclear Physics B</i> , 2019, 939, 429-446.	2.5	56
21	Physics of the Gluon-Helicity Contribution to Proton Spin. <i>Physical Review Letters</i> , 2013, 111, 112002.	7.8	54
22	Improved parton distribution functions at the physical pion mass. <i>Physical Review D</i> , 2018, 98, .	4.7	54
23	Pion generalized parton distribution from lattice QCD. <i>Nuclear Physics B</i> , 2020, 952, 114940.	2.5	53
24	Unpolarized isovector quark distribution function from lattice QCD: A systematic analysis of renormalization and matching. <i>Physical Review D</i> , 2020, 101, .	4.7	50
25	Valence-quark distribution of the kaon and pion from lattice QCD. <i>Physical Review D</i> , 2021, 103, .	4.7	45
26	Matching generalized parton quasidistributions in the RI/MOM scheme. <i>Physical Review D</i> , 2019, 100, .	4.7	44
27	A hybrid renormalization scheme for quasi light-front correlations in large-momentum effective theory. <i>Nuclear Physics B</i> , 2021, 964, 115311.	2.5	44
28	Complete matching for quasidistribution functions in large momentum effective theory. <i>Physical Review D</i> , 2019, 100, .	4.7	43
29	Parton distribution functions from reduced Ioffe-time distributions. <i>Physical Review D</i> , 2018, 97, .	4.7	42
30	Transverse momentum dependent parton quasidistributions. <i>Physical Review D</i> , 2019, 99, .	4.7	40
31	Justifying the naive partonic sum rule for proton spin. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 743, 180-183.	4.1	34
32	Symmetry properties of nonlocal quark bilinear operators on a Lattice (LP ³) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50,222 Td (3.7	29
33	Gaussian-weighted parton quasi-distribution (Lattice Parton Physics Project (LP3)). <i>Science China: Physics, Mechanics and Astronomy</i> , 2019, 62, 1.	5.1	29
34	Self-renormalization of quasi-light-front correlators on the lattice. <i>Nuclear Physics B</i> , 2021, 969, 115443.	2.5	27
35	Distribution Amplitudes of K^* and \bar{K}^0 at the Physical Pion Mass from Lattice QCD. <i>Physical Review Letters</i> , 2021, 127, 062002.	7.8	20
36	Spin decomposition of the electron in QED. <i>Physical Review D</i> , 2016, 93, .	4.7	15

#	ARTICLE	IF	CITATIONS
37	Renormalization and mixing of staple-shaped Wilson line operators on the lattice revisited. Physical Review D, 2021, 104, .	4.7	8
38	Proton Spin Sum Rule from Large Momentum Effective Field Theory. Few-Body Systems, 2015, 56, 469-474.	1.5	0
39	Proton Spin Structure from Large Momentum Effective Theory. Few-Body Systems, 2016, 57, 615-620.	1.5	0
40	Title is missing!. , 2017, , .		0