

Keh-Fei Liu

List of Publications by Year in descending order

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67
papers

1,989
citations

236925

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44
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68
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68
docs citations

68
times ranked

1124
citing authors

#	ARTICLE	IF	CITATIONS
1	Status on lattice calculations of the proton spin decomposition. AAPPs Bulletin, 2022, 32, 1.	6.1	9
2	Parton distributions and lattice-QCD calculations: Toward 3D structure. Progress in Particle and Nuclear Physics, 2021, 121, 103908.	14.4	86
3	Proton mass decomposition and hadron cosmological constant. Physical Review D, 2021, 104, .	4.7	13
4	Lattice calculation of pion form factors with overlap fermions. Physical Review D, 2021, 104, .	4.7	10
5	Nucleon isovector scalar charge from overlap fermions. Physical Review D, 2021, 104, .	4.7	2
6	Constraints on charm-anticharm asymmetry in the nucleon from lattice QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 808, 135633.	4.1	25
7	Towards the nucleon hadronic tensor from lattice QCD. Physical Review D, 2020, 101, .	4.7	31
8	Roper state from overlap fermions. Physical Review D, 2020, 101, .	4.7	8
9	Nucleon isovector tensor charge from lattice QCD using chiral fermions. Physical Review D, 2020, 101, .	4.7	13
10	Ratio of strange to u/d momentum fraction in disconnected insertions. Physical Review D, 2020, 102, .	4.7	6
11	Parton degrees of freedom in PDFs from the hadronic tensor and large momentum effective theory. Physical Review D, 2020, 102, .	4.7	8
12	Weak neutral current axial form factor using $\overline{u}u$ -nucleon scattering and lattice QCD inputs. Journal of High Energy Physics, 2020, 2020, 1.	4.7	3
13	Introduction for Week III. , 2020, , .		0
14	Lattice QCD and neutrino-nucleus scattering. European Physical Journal A, 2019, 55, 1.	2.5	41
15	Variance reduction and cluster decomposition. Physical Review D, 2018, 97, .	4.7	25
16	Lattice calculation of hadronic tensor of the nucleon. EPJ Web of Conferences, 2018, 175, 14014.	0.3	21
17	Proton Mass Decomposition from the QCD Energy Momentum Tensor. Physical Review Letters, 2018, 121, 212001.	7.8	102
18	Nonperturbatively renormalized glue momentum fraction at the physical pion mass from lattice QCD. Physical Review D, 2018, 98, .	4.7	33

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19	Gluon Quasi-Parton-Distribution Functions from Lattice QCD. Physical Review Letters, 2018, 121, 242001.	7.8	61
20	Quark spins and anomalous Ward identity. Physical Review D, 2018, 98, .	4.7	55
21	RI/MOM and RI/SMOM renormalization of overlap quark bilinears on domain wall fermion configurations. Physical Review D, 2018, 97, .	4.7	12
22	Glue Spin and Helicity in the Proton from Lattice QCD. Physical Review Letters, 2017, 118, 102001.	7.8	47
23	Baryons and chiral symmetry. International Journal of Modern Physics E, 2017, 26, 1740016.	1.0	9
24	Baryons and chiral symmetry. , 2017, , 199-214.		0
25	Strange Quark Magnetic Moment of the Nucleon at the Physical Point. Physical Review Letters, 2017, 118, 042001.	7.8	37
26	Evolution equations for connected and disconnected sea parton distributions. Physical Review D, 2017, 96, .	4.7	16
27	Sea quarks contribution to the nucleon magnetic moment and charge radius at the physical point. Physical Review D, 2017, 96, .	4.7	17
28	Perturbative renormalization and mixing of quark and glue energy-momentum tensors on the lattice. Physical Review D, 2017, 95, .	4.7	6
29	Pre-Town Meeting on spin physics at an Electron-Ion Collider. European Physical Journal A, 2017, 53, 1.	2.5	11
30	Strange and charm quark spins from the anomalous Ward identity. Physical Review D, 2017, 95, .	4.7	15
31	Lattice calculation of nucleon isovector axial charge with improved currents. Physical Review D, 2017, 96, .	4.7	24
32	Quark and Glue Components of the Proton Spin from Lattice Calculation. International Journal of Modern Physics Conference Series, 2016, 40, 1660005.	0.7	5
33	Quark and Gluon Orbital Angular Momentum: Where Are We?. Few-Body Systems, 2016, 57, 379-384.	1.5	0
34	The parton orbital angular momentum: Status and prospects. European Physical Journal A, 2016, 52, 1.	2.5	35
35	Stochastic method with low mode substitution for nucleon isovector matrix elements. Physical Review D, 2016, 93, .	4.7	25
36	Orbital angular momentum and generalized transverse momentum distribution. Physical Review D, 2016, 93, .	4.7	10

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37	$\langle N \bar{\psi} \psi N \rangle$ and strangeness sigma terms at the physical point with chiral fermions. Physical Review D, 2016, 94, .	4.7	75
38	Meson mass decomposition from lattice QCD. Physical Review D, 2015, 91, .	4.7	20
39	Charm and strange quark masses and $\langle \bar{\psi} \psi \rangle$ overlap fermions. Physical Review D, 2015, 92, .	4.7	17
40	Revisiting scalar glueballs. Physical Review D, 2015, 92, .	4.7	26
41	Flavor Structure of Intrinsic Nucleon Sea. Few-Body Systems, 2015, 56, 349-354.	1.5	4
42	Oscillatory behavior of the domain wall fermions revisited. Physical Review D, 2014, 89, .	4.7	3
43	Nonperturbative renormalization of overlap quark bilinears on 2+1-flavor domain wall fermion configurations. Physical Review D, 2014, 90, .	4.7	20
44	On the momentum dependence of the flavor structure of the nucleon sea. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 736, 411-414.	4.1	15
45	The Roper Puzzle. , 2014, , .		3
46	Is the $\langle \bar{\psi} \psi \rangle$ meson a hybrid?. Physical Review D, 2012, 86, .	4.7	7
47	Connected-Sea Partons. Physical Review Letters, 2012, 109, 252002.	7.8	24
48	Quark and glue momenta and angular momentum in the nucleon. , 2012, , .		2
49	Critical point of $\langle \bar{\psi} \psi \rangle$ QCD from lattice simulations in $N_f=3$ and $N_f=2$ with $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$.	4.7	49
50	Lattice study of light scalar tetraquarks with $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$.	4.7	68
51	Are $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$ mixing. Physical Review D, 2010, 82, .	4.7	43
52	Finite density phase transition of QCD with $N_f=4$ and $N_f=2$ using canonical ensemble method. Physical Review D, 2010, 82, .	4.7	43
53	Nucleon strangeness form factors from $N_f=2+1$ clover fermion lattice QCD. Physical Review D, 2009, 80, .	4.7	52
54	Pseudoscalar glueball mass from $\langle \bar{\psi} \psi \rangle$ and $\langle \bar{\psi} \psi \rangle$ mixing. Physical Review D, 2009, 79, .	4.7	69
54	Challenges of Lattice Calculation of Scalar Mesons. AIP Conference Proceedings, 2008, , .	0.4	7

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55	Panel Discussion on Scalar Mesons. AIP Conference Proceedings, 2008, , .	0.4	1
56	Pattern of Light Scalar Mesons. Progress of Theoretical Physics Supplement, 2007, 168, 160-167.	0.1	10
57	Scalar glueball, scalar quarkonia, and their mixing. Physical Review D, 2006, 74, .	4.7	94
58	A Review of Pentaquark Calculations on the Lattice. International Journal of Modern Physics A, 2006, 21, 851-858.	1.5	5
59	Lattice QCD at finite density via a new canonical approach. Physical Review D, 2005, 72, .	4.7	90
60	FINITE DENSITY ALGORITHM IN LATTICE QCDâ€™A CANONICAL ENSEMBLE APPROACH. International Journal of Modern Physics B, 2002, 16, 2017-2032.	2.0	20
61	FINITE DENSITY ALGORITHM IN LATTICE QCDâ€™A CANONICAL ENSEMBLE APPROACH. , 2002, , .		0
62	Parton degrees of freedom from the path-integral formalism. Physical Review D, 2000, 62, .	4.7	63
63	Comparison of algorithms for matrix inversion with multi-quarks. Nuclear Physics, Section B, Proceedings Supplements, 1997, 53, 993-996.	0.4	4
64	Stochastic estimation with Z2 noise. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 130-136.	4.1	129
65	Origin of difference between u^+ and d^+ partons in the nucleon. Physical Review Letters, 1994, 72, 1790-1793.	7.8	133
66	PHYSICS GOALS OF THE QCD TERAFLOP PROJECT. International Journal of Modern Physics C, 1991, 02, 829-947.	1.7	18
67	The pion form factor in lattice QCD. Nuclear Physics B, 1989, 318, 319-336.	2.5	72