

Zhong-Bo Kang

List of Publications by Year in descending order

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Version: 2024-02-01

87
papers

2,921
citations

145106

33
h-index

206121

51
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87
all docs

87
docs citations

87
times ranked

4924
citing authors

#	ARTICLE	IF	CITATIONS
1	First global QCD analysis of the TMD $\langle \mathcal{M} \rangle$ from semi-inclusive DIS data. Physical Review D, 2022, 105, .		
2	Transverse Lambda production at the future Electron-Ion Collider. Physical Review D, 2022, 105, .	1.6	10
3	Resummation of the Sivers asymmetry in heavy flavor dijet production at the Electron-Ion Collider. SciPost Physics Proceedings, 2022, , .	0.2	0
4	Single inclusive jet production in pA collisions at NLO in the small-x regime. Journal of High Energy Physics, 2022, 2022, .	1.6	13
5	Efficient Fourier transforms for transverse momentum dependent distributions. Computer Physics Communications, 2021, 258, 107611.	3.0	8
6	Extracting the jet transport coefficient of cold nuclear matter from world data. Nuclear Physics A, 2021, 1005, 121798.	0.6	0
7	The Sivers asymmetry in hadronic dijet production. Journal of High Energy Physics, 2021, 2021, 1.	1.6	11
8	Global extraction of the jet transport coefficient in cold nuclear matter. Physical Review D, 2021, 103, .	1.6	15
9	Semi-inclusive jet functions and jet substructure in $J_{E,T}$ stretchy="false">(</mml:mo></mml:mi></mml:mo> Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 417 Td.(stretchy="false">		
10	Dynamic jet charge. Physical Review D, 2021, 103, .	1.6	7
11	Electron-ion collider impact study on the tensor charge of the nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 816, 136255.	1.5	9
12	QCD evolution of the gluon Sivers function in heavy flavor dijet production at the Electron-Ion Collider. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9
13	Transverse $\hat{\rho}$ polarization in $e+e\hat{\rho}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136371.	1.5	13
14	Global analysis of the Sivers functions at NLO+NNLL in QCD. Journal of High Energy Physics, 2021, 2021, 1.	1.6	30
15	Spin asymmetries in electron-jet production at the future electron ion collider. Journal of High Energy Physics, 2021, 2021, 1.	1.6	15
16	Predictive power of transverse-momentum-dependent distributions. Physical Review D, 2020, 101, .	1.6	15
17	Recent progress on jet substructure theory. EPJ Web of Conferences, 2020, 235, 05001.	0.1	0
18	Origin of single transverse-spin asymmetries in high-energy collisions. Physical Review D, 2020, 102, .	1.6	85

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19	Polarized jet fragmentation functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 809, 135756.	1.5	25
20	Extracting the transverse momentum dependent polarizing fragmentation functions. Physical Review D, 2020, 102, .	1.6	30
21	Jet Charge: A Flavor Prism for Spin Asymmetries at the Electron-Ion Collider. Physical Review Letters, 2020, 125, 242003.	2.9	29
22	Threshold resummation for hadron production in the small- x region. Physical Review D, 2020, 102, .	1.6	17
23	Jet-based measurements of Sivers and Collins asymmetries at the future electron-ion collider. Physical Review D, 2020, 102, .	1.6	35
24	The soft drop groomed jet radius at NLL. Journal of High Energy Physics, 2020, 2020, 1.	1.6	30
25	QCD resummation on single hadron transverse momentum distribution with the thrust axis. Journal of High Energy Physics, 2020, 2020, 1.	1.6	19
26	Transverse Momentum and Transverse Spin. , 2020, , .		0
27	Transverse Momentum Dependent Observables from Low to High Energy: Factorization, Evolution, and Global Analyses. Advances in High Energy Physics, 2019, 2019, 1-2.	0.5	1
28	Jet fragmentation functions for Z-tagged jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134978.	1.5	14
29	Polarized hyperon production in single-inclusive electron-positron annihilation at next-to-leading order. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
30	Soft drop groomed jet angularities at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 793, 41-47.	1.5	36
31	Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. Physical Review D, 2019, 99, .	1.6	12
32	Predictions for cold nuclear matter effects in p+Pb collisions at \sqrt{s} TeV. Nuclear Physics A, 2018, 972, 18-85.	0.6	43
33	The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC. Journal of High Energy Physics, 2018, 2018, 1.	1.6	33
34	Jet angularity measurements for single inclusive jet production. Journal of High Energy Physics, 2018, 2018, 1.	1.6	18
35	Unveiling the nucleon tensor charge at Jefferson Lab: A study of the SOLID case. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 767, 91-98.	1.5	34
36	Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. Physical Review C, 2017, 96, .	1.1	30

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37	Inclusive production of small radius jets in heavy-ion collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 242-248.	1.5	52
38	Phenomenological constraints on A in pA from Lorentz invariance relations. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 242-251.	1.5	33
39	J/ψ Production and Polarization within a Jet. Physical Review Letters, 2017, 119, 032001.	2.9	17
40	Effective field theory approach to open heavy flavor production in heavy-ion collisions. Journal of High Energy Physics, 2017, 2017, 1.	1.6	51
41	Pre-Town Meeting on spin physics at an Electron-Ion Collider. European Physical Journal A, 2017, 53, 1.	1.0	11
42	The transverse momentum distribution of hadrons within jets. Journal of High Energy Physics, 2017, 2017, 1.	1.6	48
43	Collins azimuthal asymmetries of hadron production inside jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 774, 635-642.	1.5	46
44	The energy distribution of subjets and the jet shape. Journal of High Energy Physics, 2017, 2017, 1.	1.6	42
45	Jet fragmentation functions in proton-proton collisions using soft-collinear effective theory. Journal of High Energy Physics, 2016, 2016, 1.	1.6	35
46	Extraction of quark transversity distribution and Collins fragmentation functions with QCD evolution. Physical Review D, 2016, 93, .	1.6	145
47	Spin asymmetries for vector boson production in polarized p + p collisions. Physical Review D, 2016, 93, .	1.6	8
48	Jet quenching from QCD evolution. Physical Review D, 2016, 93, .	1.6	66
49	Predictions for p + Pb Collisions at $\sqrt{s_{NN}} = 5$ TeV: Comparison with Data. International Journal of Modern Physics E, 2016, 25, 1630005.	0.4	29
50	The semi-inclusive jet function in SCET and small radius resummation for inclusive jet production. Journal of High Energy Physics, 2016, 2016, 1.	1.6	91
51	Jet substructure using semi-inclusive jet functions in SCET. Journal of High Energy Physics, 2016, 2016, 1.	1.6	51
52	Photon-tagged and B-meson-tagged b -jet production at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 287-293.	1.5	21
53	Effects of cold nuclear matter energy loss on inclusive jet production in p + A collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. Physical Review C, 2015, 92, .	1.1	26
54	Nucleon tensor charge from Collins azimuthal asymmetry measurements. Physical Review D, 2015, 91, .	1.6	32

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55	Hadronic production of W and Z bosons at large transverse momentum. Physical Review D, 2015, 91, .	1.6	2
56	Next-to-leading order transverse momentum-weighted Siverson asymmetry in semi-inclusive deep inelastic scattering: The role of the three-gluon correlator. Physical Review D, 2015, 92, .	1.6	23
57	Jet Quenching Phenomenology from Soft-Collinear Effective Theory with Glauber Gluons. Physical Review Letters, 2015, 114, 092002.	2.9	59
58	1-jettiness DIS event shape: $\langle \mathcal{N} \rangle$ NNLL + $\langle \mathcal{N} \rangle$ NLO results. Physical Review D, 2014, 90, .	1.6	21
59	QCD evolution of the Siverson asymmetry. Physical Review D, 2014, 89, .	1.6	137
60	Left-right spin asymmetry in $\langle \mathcal{N} \rangle$, $\langle \mathcal{N} \rangle$ NNLL + $\langle \mathcal{N} \rangle$ NLO results. Physical Review D, 2014, 90, .	1.6	22
61	Next-to-Leading Order QCD Factorization for Semi-Inclusive Deep Inelastic Scattering at Twist 4. Physical Review Letters, 2014, 112, 102001.	2.9	41
62	Transverse momentum broadening at NLO and QCD evolution of $\langle \mathcal{N} \rangle$. Nuclear Physics A, 2014, 931, 493-498.	0.6	6
63	Nuclear modification of vector boson production in proton-lead collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 721, 277-283.	1.5	34
64	Inclusive b -jet production in heavy ion collisions at the LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 251-256.	1.5	58
65	Indication on the Process Dependence of the Siverson Effect. Physical Review Letters, 2013, 110, 232301.	2.9	45
66	Probing nuclear dynamics in jet production with a global event shape. Physical Review D, 2013, 88, .	1.6	13
67	PREDICTIONS FOR $p + \text{Pb}$ COLLISIONS AT $\sqrt{s_{NN}} = 5$ TeV. International Journal of Modern Physics E, 2013, 22, 1330007.	0.4	165
68	Heavy Quarkonium Production and Polarization. Physical Review Letters, 2012, 108, 102002.	2.9	78
69	$\langle \mathcal{N} \rangle$ -jet event shapes as probes of nuclear dynamics. Physical Review D, 2012, 86, .	1.6	24
70	Global fitting of single spin asymmetry: An attempt. Physical Review D, 2012, 85, .	1.6	47
71	QCD evolution of naive-time-reversal-odd parton distribution functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 273-276.	1.5	40
72	Observation concerning the process dependence of the Siverson functions. Physical Review D, 2011, 83, .	1.6	112

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73	Exploring the structure of the proton through polarization observables in $p\bar{p} \rightarrow \text{jet}X$. Physical Review D, 2011, 84, .	1.6	40
74	Testing the process dependence of the Sivers function via hadron distributions inside a jet. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 637-640.	1.5	29
75	Process dependent Sivers function and implication for single spin asymmetry in inclusive hadron production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 109-118.	1.5	48
76	QCD Resummation for Single Spin Asymmetries. Physical Review Letters, 2011, 107, 152002.	2.9	67
77	Recursive method for opacity expansion at finite temperature. Chinese Physics C, 2011, 35, 44-49.	1.5	1
78	Photon radiation and dilepton production induced by rescattering in strong interacting medium. European Physical Journal C, 2010, 67, 445-454.	1.4	3
79	Twist-three fragmentation function contribution to the single spin asymmetry in pp collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 691, 243-248.	1.5	77
80	Test of the Universality of Naive-Time-Reversal-Odd Fragmentation Functions. Physical Review Letters, 2010, 105, 202001.	2.9	27
81	Quark-gluon correlation functions relevant to single transverse spin asymmetries. Physical Review D, 2010, 81, .	1.6	19
82	Testing the Time-Reversal Modified Universality of the Sivers Function. Physical Review Letters, 2009, 103, 172001.	2.9	55
83	Low-mass lepton pair production at large transverse momentum. Physical Review D, 2009, 79, .	1.6	24
84	Low-mass dilepton production in pp and AA collisions. Nuclear Physics A, 2009, 830, 571c-574c.	0.6	5
85	Accessing trigluon correlations in the nucleon via the single spin asymmetry in open charm production. Physical Review D, 2008, 78, .	1.6	55
86	Single transverse-spin asymmetry for D -meson production in semi-inclusive deep inelastic scattering. Physical Review D, 2008, 78, .	1.6	59
87	Nuclear modification to parton distribution functions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S607-S610.	1.4	9