

Zhong-Bo Kang

List of Publications by Year in descending order

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87
papers

2,921
citations

126907

33
h-index

182427

51
g-index

87
all docs

87
docs citations

87
times ranked

4875
citing authors

#	ARTICLE	IF	CITATIONS
1	PREDICTIONS FOR $p+\text{Pb}$ COLLISIONS AT $\sqrt{s_{NN}} = 5$. International Journal of Modern Physics E, 2013, 22, 1330007.	1.0	165
2	Extraction of quark transversity distribution and Collins fragmentation functions with QCD evolution. Physical Review D, 2016, 93, .	4.7	145
3	QCD evolution of the Sivers asymmetry. Physical Review D, 2014, 89, .	4.7	137
4	Observation concerning the process dependence of the Sivers functions. Physical Review D, 2011, 83, .	4.7	112
5	The semi-inclusive jet function in SCET and small radius resummation for inclusive jet production. Journal of High Energy Physics, 2016, 2016, 1.	4.7	91
6	Origin of single transverse-spin asymmetries in high-energy collisions. Physical Review D, 2020, 102, .	4.7	85
7	Heavy Quarkonium Production and Polarization. Physical Review Letters, 2012, 108, 102002.	7.8	78
8	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.	4.1	77
9	QCD Resummation for Single Spin Asymmetries. Physical Review Letters, 2011, 107, 152002.	7.8	67
10	Jet quenching from QCD evolution. Physical Review D, 2016, 93, .	4.7	66
11	Single transverse-spin asymmetry for D -meson production in semi-inclusive deep inelastic scattering. Physical Review D, 2008, 78, .	4.7	59
12	Jet Quenching Phenomenology from Soft-Collinear Effective Theory with Glauber Gluons. Physical Review Letters, 2015, 114, 092002.	7.8	59
13	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.	4.1	58
14	Accessing trigluon correlations in the nucleon via the single spin asymmetry in open charm production. Physical Review D, 2008, 78, .	4.7	55
15	Testing the Time-Reversal Modified Universality of the Sivers Function. Physical Review Letters, 2009, 103, 172001.	7.8	55
16	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.	4.1	52
17	Jet substructure using semi-inclusive jet functions in SCET. Journal of High Energy Physics, 2016, 2016, 1.	4.7	51
18	Effective field theory approach to open heavy flavor production in heavy-ion collisions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	51

#	ARTICLE	IF	CITATIONS
19	Process dependent Sivers function and implication for single spin asymmetry in inclusive hadron production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 696, 109-118.	4.1	48
20	The transverse momentum distribution of hadrons within jets. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	48
21	Global fitting of single spin asymmetry: An attempt. <i>Physical Review D</i> , 2012, 85, .	4.7	47
22	Collins azimuthal asymmetries of hadron production inside jets. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 774, 635-642.	4.1	46
23	Indication on the Process Dependence of the Sivers Effect. <i>Physical Review Letters</i> , 2013, 110, 232301.	7.8	45
24	Predictions for cold nuclear matter effects in p+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. <i>Nuclear Physics A</i> , 2018, 972, 18-85.	1.5	43
25	The energy distribution of subjets and the jet shape. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	42
26	Next-to-Leading Order QCD Factorization for Semi-Inclusive Deep Inelastic Scattering at Twist 4. <i>Physical Review Letters</i> , 2014, 112, 102001.	7.8	41
27	Exploring the structure of the proton through polarization observables in $p\uparrow$ jetX. <i>Physical Review D</i> , 2011, 84, .	4.7	40
28	QCD evolution of naive-time-reversal-odd parton distribution functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012, 713, 273-276.	4.1	40
29	Soft drop groomed jet angularities at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 793, 41-47.	4.1	36
30	Jet fragmentation functions in proton-proton collisions using soft-collinear effective theory. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	35
31	Jet-based measurements of Sivers and Collins asymmetries at the future electron-ion collider. <i>Physical Review D</i> , 2020, 102, .	4.7	35
32	Nuclear modification of vector boson production in proton-lead collisions at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 721, 277-283.	4.1	34
33	Unveiling the nucleon tensor charge at Jefferson Lab: A study of the SoLID case. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 767, 91-98.	4.1	34
34	Phenomenological constraints on A in $p\uparrow p\uparrow$ from Lorentz invariance relations. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 770, 242-251.	4.1	33
35	The groomed and ungroomed jet mass distribution for inclusive jet production at the LHC. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	33
36	Nucleon tensor charge from Collins azimuthal asymmetry measurements. <i>Physical Review D</i> , 2015, 91, .	4.7	32

#	ARTICLE	IF	CITATIONS
37	Vector-boson-tagged jet production in heavy ion collisions at energies available at the CERN Large Hadron Collider. <i>Physical Review C</i> , 2017, 96, .	2.9	30
38	Extracting the transverse momentum dependent polarizing fragmentation functions. <i>Physical Review D</i> , 2020, 102, .	4.7	30
39	The soft drop groomed jet radius at NLL. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	30
40	Global analysis of the Sivers functions at NLO+NNLL in QCD. <i>Journal of High Energy Physics</i> , 2021, 2021, 1.	4.7	30
41	Testing the process dependence of the Sivers function via hadron distributions inside a jet. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 704, 637-640.	4.1	29
42	Predictions for p+Pb Collisions at $\sqrt{s_{NN}} = 5\text{TeV}$: Comparison with Data. <i>International Journal of Modern Physics E</i> , 2016, 25, 1630005.	1.0	29
43	Jet Charge: A Flavor Prism for Spin Asymmetries at the Electron-Ion Collider. <i>Physical Review Letters</i> , 2020, 125, 242003.	7.8	29
44	Test of the Universality of Naive-Time-Reversal-Odd Fragmentation Functions. <i>Physical Review Letters</i> , 2010, 105, 202001.	7.8	27
45	Effects of cold nuclear matter energy loss on inclusive jet production in $p\bar{p}$ collisions at energies available at the BNL Relativistic Heavy Ion Collider and the CERN Large Hadron Collider. <i>Physical Review C</i> , 2015, 92, .	2.9	26
46	Polarized jet fragmentation functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 809, 135756.	4.1	25
47	Low-mass lepton pair production at large transverse momentum. <i>Physical Review D</i> , 2009, 79, .	4.7	24
48	N -jet event shapes as probes of nuclear dynamics. <i>Physical Review D</i> , 2012, 86, .	4.7	24
49	Next-to-leading order transverse momentum-weighted Sivers asymmetry in semi-inclusive deep inelastic scattering: The role of the three-gluon correlator. <i>Physical Review D</i> , 2015, 92, .	4.7	23
50	Left-right spin asymmetry in N -jet production. <i>Physical Review D</i> , 2014, 90, .	4.7	22
51	1-jettiness DIS event shape: NNLL+NLO results. <i>Physical Review D</i> , 2014, 90, .	4.7	21
52	Photon-tagged and B-meson-tagged b-jet production at the LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 750, 287-293.	4.1	21
53	Quark-gluon correlation functions relevant to single transverse spin asymmetries. <i>Physical Review D</i> , 2010, 81, .	4.7	19
54	QCD resummation on single hadron transverse momentum distribution with the thrust axis. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	19

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55	Jet angularity measurements for single inclusive jet production. Journal of High Energy Physics, 2018, 2018, 1.	4.7	18
56	J/ψ Production and Polarization within a Jet. Physical Review Letters, 2017, 119, 032001.	7.8	17
57	Polarized hyperon production in single-inclusive electron-positron annihilation at next-to-leading order. Journal of High Energy Physics, 2019, 2019, 1.	4.7	17
58	Threshold resummation for hadron production in the small- x region. Physical Review D, 2020, 102, .	4.7	17
59	Predictive power of transverse-momentum-dependent distributions. Physical Review D, 2020, 101, .	4.7	15
60	Global extraction of the jet transport coefficient in cold nuclear matter. Physical Review D, 2021, 103, .	4.7	15
61	Spin asymmetries in electron-jet production at the future electron ion collider. Journal of High Energy Physics, 2021, 2021, 1.	4.7	15
62	Jet fragmentation functions for Z-tagged jets. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134978.	4.1	14
63	Probing nuclear dynamics in jet production with a global event shape. Physical Review D, 2013, 88, .	4.7	13
64	Transverse \hat{b} polarization in $e+e\hat{\gamma}$ collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 818, 136371.	4.1	13
65	Single inclusive jet production in pA collisions at NLO in the small- x regime. Journal of High Energy Physics, 2022, 2022, .	4.7	13
66	Light and heavy flavor dijet production and dijet mass modification in heavy ion collisions. Physical Review D, 2019, 99, .	4.7	12
67	Pre-Town Meeting on spin physics at an Electron-Ion Collider. European Physical Journal A, 2017, 53, 1.	2.5	11
68	The Sivvers asymmetry in hadronic dijet production. Journal of High Energy Physics, 2021, 2021, 1.	4.7	11
69	Transverse Lambda production at the future Electron-Ion Collider. Physical Review D, 2022, 105, .	4.7	10
70	Nuclear modification to parton distribution functions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, S607-S610.	3.6	9
71	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.	4.1	9
72	QCD evolution of the gluon Sivvers function in heavy flavor dijet production at the Electron-Ion Collider. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9

