

# Daniel Boer

## List of Publications by Year in descending order

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87  
papers

4,289  
citations

117625

34  
h-index

106344

65  
g-index

87  
all docs

87  
docs citations

87  
times ranked

2811  
citing authors

#	ARTICLE	IF	CITATIONS
1	Time-reversal odd distribution functions in lepton production. Physical Review D, 1998, 57, 5780-5786.	4.7	645
2	Universality of T-odd effects in single spin and azimuthal asymmetries. Nuclear Physics B, 2003, 667, 201-241.	2.5	437
3	Heavy-ion collisions at the LHC—Last call for predictions. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 054001.	3.6	255
4	Investigating the origins of transverse spin asymmetries at BNL RHIC. Physical Review D, 1999, 60, .	4.7	213
5	Matches and mismatches in the descriptions of semi-inclusive processes at low and high transverse momentum. Journal of High Energy Physics, 2008, 2008, 023-023.	4.7	167
6	Asymmetries in polarized hadron production in $e^+e^-$ annihilation up to order. Nuclear Physics B, 1997, 504, 345-380.	2.5	148
7	Initial-state interactions in the unpolarized Drell-Yan process. Physical Review D, 2003, 67, .	4.7	132
8	Direct Probes of Linearly Polarized Gluons inside Unpolarized Hadrons. Physical Review Letters, 2011, 106, 132001.	7.8	99
9	Influence of strong magnetic fields and instantons on the phase structure of the two-flavor Nambu—Jona-Lasinio model. Physical Review D, 2010, 81, .	4.7	86
10	Asymmetric jet correlations in $pp \rightarrow \gamma^* \rightarrow f\bar{f}$ scattering. Physical Review D, 2004, 69, .	4.7	85
11	Linearly Polarized Gluons and the Higgs Transverse Momentum Distribution. Physical Review Letters, 2012, 108, 032002.	7.8	84
12	Angular dependences in inclusive two-hadron production at BELLE. Nuclear Physics B, 2009, 806, 23-67.	2.5	77
13	Linear polarization of gluons and photons in unpolarized collider experiments. Journal of High Energy Physics, 2013, 2013, 1.	4.7	76
14	Single spin asymmetries from a gluonic background in the Drell-Yan process. Physical Review D, 1998, 57, 3057-3064.	4.7	75
15	$\hat{L}$ polarization from unpolarized quark fragmentation. Physical Review D, 2001, 63, .	4.7	71
16	Polarized gluon studies with charmonium and bottomonium at LHCb and AFTER. Physical Review D, 2012, 86, .	4.7	67
17	Sudakov suppression in azimuthal spin asymmetries. Nuclear Physics B, 2001, 603, 195-217.	2.5	65
18	Leading asymmetries in two-hadron production in $e^+e^-$ annihilation at the Z pole. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 424, 143-151.	4.1	60

#	ARTICLE	IF	CITATIONS
19	Asymmetries in heavy quark pair and dijet production at an EIC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	57
20	Drell-Yan lepton angular distribution at small transverse momentum. Physical Review D, 2006, 74, .	4.7	56
21	Gluon and Wilson loop TMDs for hadrons of spin $\hat{n}$ . Journal of High Energy Physics, 2016, 2016, 1.	4.7	56
22	Geometric scaling at BNL RHIC and CERN LHC. Physical Review D, 2008, 77, .	4.7	55
23	Bessel-weighted asymmetries in semi-inclusive deep inelastic scattering. Journal of High Energy Physics, 2011, 2011, 1.	4.7	55
24	Color gauge invariance in the Drell-Yan process. Nuclear Physics B, 2000, 569, 505-526.	2.5	53
25	Color superconductivity versus pseudoscalar condensation in a three-flavor Nambu-Jona-Lasinio model. Physical Review D, 2005, 72, .	4.7	47
26	The Gluon Sivers Distribution: Status and Future Prospects. Advances in High Energy Physics, 2015, 2015, 1-10.	1.1	46
27	Angular dependences in electroweak semi-inclusive lepton production. Nuclear Physics B, 2000, 564, 471-485.	2.5	45
28	Single Spin Asymmetries from a Single Wilson Loop. Physical Review Letters, 2016, 116, 122001.	7.8	45
29	Interference fragmentation functions in electron-positron annihilation. Physical Review D, 2003, 67, .	4.7	43
30	Dijet imbalance in hadronic collisions. Physical Review D, 2009, 80, .	4.7	41
31	High temperature $C$ -restoring phase transition at $\hat{n}$ . Physical Review D, 2008, 80, .	4.7	39
32	Determining the Higgs Spin and Parity in the Diphoton Decay Channel. Physical Review Letters, 2013, 111, 032002.	7.8	38
33	TMD evolution and the Higgs transverse momentum distribution. Nuclear Physics B, 2014, 886, 421-435.	2.5	37
34	Spontaneous $C$ -violation in the strong interaction at $\hat{n}$ . Physical Review D, 2008, 78, .	4.7	35
35	Transverse $\hat{n}$ polarization in semi-inclusive deep inelastic scattering. Physical Review D, 2002, 65, .	4.7	33
36	Evolution of transverse momentum dependent distribution and fragmentation functions. Nuclear Physics B, 2002, 620, 331-350.	2.5	33

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37	Transverse-momentum-dependent parton distribution/fragmentation functions at an electron-ion collider. European Physical Journal A, 2011, 47, 1.	2.5	31
38	Gluon TMDs and NRQCD matrix elements in $\psi(2S)$ production at an EIC. European Physical Journal C, 2020, 80, 1.	3.9	31
39	Single transverse-spin asymmetries in forward pion production at high energy: Incorporating small-x-effects in the target. Physical Review D, 2006, 74, .	4.7	30
40	Studies of gluon TMDs and their evolution using quarkonium-pair production at the LHC. European Physical Journal C, 2020, 80, 1.	3.9	30
41	Factorisation, parton entanglement and the Drell-Yan process. European Physical Journal C, 2005, 40, 55-61.	3.9	28
42	Gluon TMDs in Quarkonium Production. Few-Body Systems, 2017, 58, 1.	1.5	28
43	Test of the Universality of Naive-Time-Reversal-Odd Fragmentation Functions. Physical Review Letters, 2010, 105, 202001.	7.8	27
44	Viability of minimal left-handed models with discrete symmetries. Nuclear Physics B, 2014, 889, 727-756.	2.5	27
45	Suppression of maximal linear gluon polarization in angular asymmetries. Journal of High Energy Physics, 2017, 2017, 1.	4.7	26
46	TMD evolution of the Sivers asymmetry. Nuclear Physics B, 2013, 874, 217-229.	2.5	24
47	Thermodynamics of $O(N)$ sigma models: $1/N$ corrections. Physical Review D, 2004, 70, .	4.7	23
48	Impact of gluon polarization on Higgs boson plus jet production at the LHC. Physical Review D, 2015, 91, .	4.7	23
49	$J/\psi$ meson production in SIDIS: matching high and low transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	23
50	Single transverse-spin asymmetry in the Drell-Yan lepton angular distribution. Physical Review D, 2002, 65, .	4.7	22
51	Polarized hyperons from pA scattering in the gluon saturation regime. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 556, 33-40.	4.1	22
52	Higher-twist quark-mass contributions to deep-inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 381, 305-310.	4.1	17
53	On a possible node in the Sivers and Qiu's Stermann functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 242-245.	4.1	17
54	Double transverse spin asymmetries in vector boson production. Physical Review D, 2000, 62, .	4.7	15

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55	T-odd effects in photon-jet production at the Tevatron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 660, 360-368.	4.1	15
56	Semi-inclusive production of two back-to-back hadron pairs in $e^+e^-$ annihilation revisited. Physical Review D, 2018, 97, .	4.7	15
57	Non-Abelian nature of systems with multiple exceptional points. Physical Review A, 2018, 98, .	2.5	15
58	Spin asymmetries in jet-hyperon production at LHC. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 659, 127-136.	4.1	14
59	The saturation scale and its x-dependence from $\hat{n}$ polarization studies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 91-98.	4.1	14
60	Directed flow from C-odd gluon correlations at small x. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
61	Thermodynamics of the O(N) nonlinear sigma model in 1+1 dimensions. Physical Review D, 2004, 69, .	4.7	12
62	Extracting color octet NRQCD matrix elements from $J/\psi$ production at the EIC. Physical Review D, 2021, 103, .	4.7	10
63	GTMD model predictions for diffractive dijet production at EIC. Physical Review D, 2021, 104, .	4.7	10
64	On the rotational invariance and non-invariance of lepton angular distributions in Drell-Yan and quarkonium production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 356-359.	4.1	9
65	Scale evolution of T-odd gluon TMDs at small $x$ . Physical Review D, 2022, 105, .	4.7	8
66	Compatibility of phenomenological dipole cross sections with the Balitsky-Kovchegov equation. Physical Review D, 2007, 75, .	4.7	7
67	Operator analysis of pT -widths of TMDs. Journal of High Energy Physics, 2015, 2015, 1.	4.7	7
68	Bounding $W^+W^-$ Mixing with Spin Asymmetries at RHIC. Physical Review Letters, 2010, 105, 071801.	7.8	5
69	Average Transverse Momentum Quantities Approaching the Lightfront. Few-Body Systems, 2015, 56, 439-445.	1.5	4
70	Gluon TMD studies at EIC. EPJ Web of Conferences, 2016, 112, 02003.	0.3	4
71	Colour unwound - disentangling colours for azimuthal asymmetries in Drell-Yan scattering. SciPost Physics, 2017, 3, .	4.9	4
72	TRANSVERSE $\hat{n}$ POLARIZATION IN INCLUSIVE PROCESSES. International Journal of Modern Physics A, 2003, 18, 1237-1245.	1.5	3

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73	Intrinsic transverse momentum and transverse spin asymmetries. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 638-640.	0.4	2
74	Lambda polarization in unpolarized hadron reactions. European Physical Journal D, 2001, 51, A107-A113.	0.4	2
75	Theoretical aspects of transversity observables. Nuclear Physics, Section B, Proceedings Supplements, 2002, 105, 76-79.	0.4	2
76	Effects of quantum instantons on the thermodynamics of the CPN <sup>1</sup> model. Physical Review D, 2006, 74, .	4.7	2
77	Geometric Scaling at RHIC and LHC. Nuclear Physics, Section B, Proceedings Supplements, 2009, 186, 90-93.	0.4	2
78	Double Sivers effect asymmetries and their impact on transversity measurements at RHIC. Physical Review D, 2011, 83, .	4.7	2
79	ASPECTS OF TMD EVOLUTION OF AZIMUTHAL ASYMMETRIES. International Journal of Modern Physics Conference Series, 2014, 25, 1460004.	0.7	2
80	Analysis of fine-tuning measures in models with extended Higgs sectors. Nuclear Physics B, 2019, 946, 114695.	2.5	2
81	Handedness Inside the Proton. AIP Conference Proceedings, 2003, , .	0.4	1
82	Spontaneous CP violation in the NJL model at $\hat{I}_1 = \hat{I}$ . Nuclear Physics A, 2009, 820, 251c-254c.	1.5	1
83	Overview of TMD Evolution. International Journal of Modern Physics Conference Series, 2016, 40, 1660014.	0.7	1
84	THEORETICAL ASPECTS OF SPIN PHYSICS. , 2004, , .		1
85	Gluon saturation effects on single spin asymmetries. AIP Conference Proceedings, 2007, , .	0.4	0
86	Spontaneous CP violation in the strong interaction at $\hat{I}_1 = \hat{I}$ [Phys. Rev. D <b>78</b> , 054027 (2008)]. Physical Review D, 2008, 78, .	4.7	0
87	ANOMALOUS DRELL-YAN ASYMMETRY FROM HADRONIC OR QCD VACUUM EFFECTS. , 2006, , .		0