

Piet Jg Mulders

List of Publications by Year in descending order

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43
papers

3,680
citations

201674

27
h-index

289244

40
g-index

44
all docs

44
docs citations

44
times ranked

1950
citing authors

#	ARTICLE	IF	CITATIONS
1	The complete tree-level result up to order $1/Q$ for polarized deep-inelastic lepton production. Nuclear Physics B, 1996, 461, 197-237.	2.5	613
2	Semi-inclusive deep inelastic scattering at small transverse momentum. Journal of High Energy Physics, 2007, 2007, 093-093.	4.7	455
3	Universality of T-odd effects in single spin and azimuthal asymmetries. Nuclear Physics B, 2003, 667, 201-241.	2.5	437
4	Modelling quark distribution and fragmentation functions. Nuclear Physics A, 1997, 626, 937-965.	1.5	219
5	No generalized transverse momentum dependent factorization in the hadroproduction of high transverse momentum hadrons. Physical Review D, 2010, 81, .	4.7	159
6	The construction of gauge-links in arbitrary hard processes. European Physical Journal C, 2006, 47, 147-162.	3.9	150
7	Asymmetries in polarized hadron production in e^+e^- annihilation up to order. Nuclear Physics B, 1997, 504, 345-380.	2.5	148
8	Gauge link structure in quark-quark correlators in hard processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 596, 277-286.	4.1	104
9	Direct Probes of Linearly Polarized Gluons inside Unpolarized Hadrons. Physical Review Letters, 2011, 106, 132001.	7.8	99
10	QCD evolution of (un)polarized gluon TMDPDFs and the Higgs q_T -distribution. Journal of High Energy Physics, 2015, 2015, 1.	4.7	77
11	Linear polarization of gluons and photons in unpolarized collider experiments. Journal of High Energy Physics, 2013, 2013, 1.	4.7	76
12	Non-universality of transverse momentum dependent parton distribution functions. Nuclear Physics B, 2008, 795, 409-427.	2.5	70
13	Probing transverse quark polarization via azimuthal asymmetries in lepton production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 406, 373-380.	4.1	61
14	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
15	New observables in longitudinal single-spin asymmetries in semi-inclusive DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 309-317.	4.1	57
16	Asymmetries in heavy quark pair and dijet production at an EIC. Journal of High Energy Physics, 2016, 2016, 1.	4.7	57
17	Gluon and Wilson loop TMDs for hadrons of spin $\frac{1}{2}$. Journal of High Energy Physics, 2016, 2016, 1.	4.7	56
18	Color gauge invariance in the Drell-Yan process. Nuclear Physics B, 2000, 569, 505-526.	2.5	53

#	ARTICLE	IF	CITATIONS
19	Time reversal odd fragmentation functions in semi-inclusive scattering of polarized leptons from unpolarized hadrons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994, 338, 357-362.	4.1	48
20	Gluonic pole cross sections and single spin asymmetries in hadron-hadron scattering. <i>Journal of High Energy Physics</i> , 2007, 2007, 029-029.	4.7	48
21	Angular dependences in electroweak semi-inclusive lepton production. <i>Nuclear Physics B</i> , 2000, 564, 471-485.	2.5	45
22	Single Spin Asymmetries from a Single Wilson Loop. <i>Physical Review Letters</i> , 2016, 116, 122001.	7.8	45
23	Dijet imbalance in hadronic collisions. <i>Physical Review D</i> , 2009, 80, .	4.7	41
24	The Collins fragmentation function: a simple model calculation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 506, 155-160.	4.1	40
25	Sivers Single-Spin Asymmetry in Photon-Jet Production. <i>Physical Review Letters</i> , 2007, 99, 212002.	7.8	40
26	Evolution of transverse momentum dependent distribution and fragmentation functions. <i>Nuclear Physics B</i> , 2002, 620, 331-350.	2.5	33
27	Suppression of maximal linear gluon polarization in angular asymmetries. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	26
28	Probing transverse quark polarization in deep-inelastic lepton production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1995, 352, 129-133.	4.1	24
29	Positivity bounds on spin-one distribution and fragmentation functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 518, 85-93.	4.1	15
30	T-odd effects in photon-jet production at the Tevatron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 660, 360-368.	4.1	15
31	Spin asymmetries in jet-hyperon production at LHC. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2008, 659, 127-136.	4.1	14
32	Constraining double-parton correlations and interferences. <i>Physical Review D</i> , 2015, 91, .	4.7	13
33	Directed flow from C-odd gluon correlations at small x. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	13
34	Kinematical contributions to the transverse asymmetry in semi-inclusive DIS. <i>Nuclear Physics A</i> , 2002, 711, 89-92.	1.5	4
35	Positivity bounds on gluon TMDs for hadrons of spin $\frac{1}{2}$. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	4
36	Colour unwound - disentangling colours for azimuthal asymmetries in Drell-Yan scattering. <i>SciPost Physics</i> , 2017, 3, .	4.9	4

#	ARTICLE	IF	CITATIONS
37	Prospects for spin physics in semi-inclusive processes. Nuclear Physics A, 1997, 622, c239-c254.	1.5	3
38	The 3D structure of QCD and the roots of the Standard Model. EPJ Web of Conferences, 2016, 112, 01014.	0.3	3
39	Polarized structure functions. Progress in Particle and Nuclear Physics, 2005, 55, 243-269.	14.4	2
40	Universality of TMD correlators. EPJ Web of Conferences, 2015, 85, 02001.	0.3	0
41	Emergent symmetries of the Standard Model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 193-197.	4.1	0
42	HADRON STRUCTURE: THE PHYSICS PROGRAM OF HAPNET. , 2005, , .		0
43	GLUONIC POLE MATRIX ELEMENTS IN SPECTATOR MODELS. , 2009, , .		0