Martin Hentschinski

List of Publications by Year
in descending order

48	1,033	361413	414414
papers	citations	20 h-index	32 g-index

49	49	49	1588
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The CCFM Monte Carlo generator CASCADE VersionÂ2.2.03. European Physical Journal C, 2010, 70, 1237-1249.	3.9	142
2	LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.	3.6	99
3	Hard to Soft Pomeron Transition in Small-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>x</mml:mi></mml:math>Deep Inelastic Scattering Data Using Optimal Renormalization. Physical Review Letters, 2013, 110, 041601.	7.8	70
4	Next-to-leading order jet vertex from Lipatovâ€™s QCD effective action. Physical Review D, 2012, 85, .	4.7	59
5	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>F</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>F</mml:mi><mml:mi>L</mml:mi></mml:msub></mml:math>at small<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>x</mml:mi></mml:math>using a collinearly improved BFKL resummation. Phys	4.7	55
6	Forward Z-boson production and the unintegrated sea quark density. Nuclear Physics B, 2012, 865, 54-66.	2.5	53
7	BFKL evolution and the growth with energy of exclusive<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi mathvariant="normal">Ï¨</mml:mi></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi mathvariant="normal">Ï</mml:mi></mml:mrow></mml:math>photoproduction cross sections. Physical Review D, 2016, 94, .	4.7	41
8	Quark contribution to the gluon Regge trajectory at NLO from the high energy effective action. Nuclear Physics B, 2012, 861, 133-144.	2.5	40
9	Pole prescription of higher order induced vertices in LipatovÊ¼s QCD effective action. Nuclear Physics B, 2012, 859, 129-142.	2.5	32
10	QCD evolution based evidence for the onset of gluon saturation in exclusive photo-production of vector mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 795, 569-575.	4.1	32
11	Next-to-leading order corrections to the gluon-induced forward jet vertex from the high energy effective action. Physical Review D, 2013, 87, .	4.7	28
12	Polarized 3 parton production in inclusive DIS at small x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 761, 229-233.	4.1	28
13	Gluon Regge trajectory at two loops from LipatovÊ¼s high energy effective action. Nuclear Physics B, 2013, 876, 453-472.	2.5	27
14	Extension of the color glass condensate approach to diffractive reactions. Physical Review D, 2006, 73, .	4.7	23
15	Transverse momentum dependent gluon distribution within high energy factorization at next-to-leading order. Physical Review D, 2021, 104, .	4.7	23
16	Single bottom quark production in k âŠ¥-factorisation. Journal of High Energy Physics, 2015, 2015, 1.	4.7	22
17	The next-to-leading order vertex for a forward jet plus a rapidity gap at high energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 735, 168-172.	4.1	21
18	Forward jet production & quantum corrections to the gluon Regge trajectory from Lipatovâ€™s high energy effective action. Physics of Particles and Nuclei, 2014, 45, 788-799.	0.7	21

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19	display="inline"><mml:mi>J</mml:mi><mml:mo stretchy="false">/</mml:mo><mml:mi mathvariant="normal">Î¨</mml:mi></mml:math> and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î¨</mml:mi><mml:mo stretchy="false">(</mml:mo><mml:mn>2</mml:mn><mml:mi>S</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 717	4.7	21
20	Forward Higgs production within high energy factorization in the heavy quark limit at next-to-leading order accuracy. European Physical Journal C, 2021, 81, 1.	3.9	20
21	TMD splitting functions in $$k_T$$ k T factorization: the real contribution to the gluon-to-gluon splitting. European Physical Journal C, 2018, 78, 174.	3.9	19
22	Evidence for the maximally entangled low x proton in Deep Inelastic Scattering from H1 data. European Physical Journal C, 2022, 82, 1.	3.9	19
23	The gluon-induced Muellerâ€“Tang jet impact factor at next-to-leading order. Nuclear Physics B, 2014, 889, 549-579.	2.5	17
24	The quark induced Muellerâ€“Tang jet impact factor at next-to-leading order. Nuclear Physics B, 2014, 887, 309-337.	2.5	16
25	Transverse-momentum-dependent quark splitting functions in k T -factorization: real contributions. Journal of High Energy Physics, 2016, 2016, 1.	4.7	16
26	Spinor helicity methods in high-energy factorization: Efficient momentum-space calculations in the Color Glass Condensate formalism. Nuclear Physics B, 2017, 920, 232-255.	2.5	16
27	Transverse momentum dependent splitting functions at work: Quark-to-gluon splitting. Physical Review D, 2016, 94, .	4.7	15
28	Color glass condensate formalism, Balitsky-JIMWLK evolution, and Lipatovâ€™s high energy effective action. Physical Review D, 2018, 97, .	4.7	15
29	The effective action and the triple Pomeron vertex. Nuclear Physics, Section B, Proceedings Supplements, 2010, 198, 108-111.	0.4	6
30	A parton branching with transverse momentum dependent splitting functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 833, 137276.	4.1	5
31	The topology of the triple Pomeron vertex in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi mathvariant="script">N</mml:mi><mml:mo>=</mml:mo><mml:mn>4</mml:mn></mml:math> SYM. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 679, 460-466.	4.1	4
32	High energy behavior of a six-point R-current correlator in $$ mathcal{N} = 4 $$ supersymmetric Yang-Mills theory. Journal of High Energy Physics, 2010, 2010, 1.	4.7	4
33	The triple Pomeron vertex in large-N_cQCD and the pair-of-pants topology. Journal of High Energy Physics, 2009, 2009, 103-103.	4.7	3
34	An effective field theory approach for electroweak interactions in the high energy limit. European Physical Journal C, 2020, 80, 1.	3.9	3
35	NLO vertex for a forward jet plus a rapidity gap at high energies. AIP Conference Proceedings, 2015, , .	0.4	1
36	Computing the full two-loop gluon Regge trajectory within Lipatov's high energy effective action. , 2013, , .		1

#	Article	IF	Citations
37	Forward Higgs production at NLO using Lipatov's high energy effective action. SciPost Physics Proceedings, 2022, , .	0.4	1
38	The Mueller-Tang jet impact factor at NLO from the high energy effective action. , 2013, , .		0
39	The hard to soft Pomeron transition in small x DIS data using optimal renormalization. , 2013, , .		0
40	HIGH ENERGY FACTORIZATION AT NLO: LIPATOV'S EFFECTIVE ACTION REVISITED. International Journal of Modern Physics Conference Series, 2014, 25, 1460027.	0.7	0
41	Proton structure functions at smallx. Journal of Physics: Conference Series, 2015, 651, 012011.	0.4	0
42	DIS at low x, high gluon densities, BFKL evolution and 3 particle correlations. Journal of Physics: Conference Series, 2016, 761, 012038.	0.4	0
43	The growth with energy of exclusive J/ï¨ and ï¨' photo-production cross-sections and BFKL evolution. AIP Conference Proceedings, 2017, , .	0.4	0
44	Forward Physics and the glue at smallx. Journal of Physics: Conference Series, 2017, 912, 012008.	0.4	0
45	3 parton production at DIS at small x. EPJ Web of Conferences, 2018, 172, 06003.	0.3	0
46	Proton structure functions and physical evolution kernels. , 2013, , .		0
47	Recent results within Lipatov's high energy effective action. , 2013, , .		0
48	TMD quark distributions at small x. , 2013, , .		0