

Aleksander Kusina

List of Publications by Year in descending order

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49
papers

1,755
citations

471509

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276875

41
g-index

49
all docs

49
docs citations

49
times ranked

6296
citing authors

#	ARTICLE	IF	CITATIONS
1	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	3.9	346
2	nCTEQ15: Global analysis of nuclear parton distributions with uncertainties in the CTEQ framework. Physical Review D, 2016, 93, .	4.7	305
3	Parton distributions and lattice QCD calculations: A community white paper. Progress in Particle and Nuclear Physics, 2018, 100, 107-160.	14.4	186
4	HERAFitter. European Physical Journal C, 2015, 75, 1.	3.9	141
5	Parton distributions and lattice-QCD calculations: Toward 3D structure. Progress in Particle and Nuclear Physics, 2021, 121, 103908.	14.4	86
6	Gluon Shadowing in Heavy-Flavor Production at the LHC. Physical Review Letters, 2018, 121, 052004.	7.8	84
7	A Review of the Intrinsic Heavy Quark Content of the Nucleon. Advances in High Energy Physics, 2015, 2015, 1-12.	1.1	74
8	Parton distribution functions of the charged pion within the xFitter framework. Physical Review D, 2020, 102, .	4.7	64
9	Impact of low-x resummation on QCD analysis of HERA data. European Physical Journal C, 2018, 78, 621.	3.9	53
10	Vector boson production in pPb and PbPb collisions at the LHC and its impact on nCTEQ15 PDFs. European Physical Journal C, 2017, 77, 1.	3.9	36
11	TMDlib2 and TMDplotter: a platform for 3D hadron structure studies. European Physical Journal C, 2021, 81, 1.	3.9	32
12	A fixed-target programme at the LHC: Physics case and projected performances for heavy-ion, hadron, spin and astroparticle studies. Physics Reports, 2021, 911, 1-83.	25.6	28
13	Impact of LHC vector boson production in heavy ion collisions on strange PDFs. European Physical Journal C, 2020, 80, 1.	3.9	27
14	On the intrinsic bottom content of the nucleon and its impact on heavy new physics at the LHC. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
15	Strange quark parton distribution functions and implications for Drell-Yan boson production at the LHC. Physical Review D, 2012, 85, .	4.7	22
16	TMD splitting functions in k_T factorization: the real contribution to the gluon-to-gluon splitting. European Physical Journal C, 2018, 78, 174.	3.9	19
17	Calculation of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mrow} \langle \text{mml:mi} \rangle Z \langle \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ jet cross section including transverse momenta of initial partons. Physical Review D, 2019, 99, .	4.7	18
18	Two real parton contributions to non-singlet kernels for exclusive QCD DGLAP evolution. Journal of High Energy Physics, 2011, 2011, 1.	4.7	17

#	ARTICLE	IF	CITATIONS
19	Reweighted nuclear PDFs using heavy-flavor production data at the LHC. Physical Review D, 2021, 104, .	4.7	16
20	Transverse momentum dependent splitting functions at work: Quark-to-gluon splitting. Physical Review D, 2016, 94, .	4.7	15
21	Extending nuclear PDF analyses into the high- x , low- Q^2 region. Physical Review D, 2021, 103, .	4.7	15
22	Impact of inclusive hadron production data on nuclear gluon PDFs. Physical Review D, 2021, 104, .	4.7	14
23	Inclusion of the QCD next-to-leading order corrections in the quark-gluon Monte Carlo shower. Physical Review D, 2013, 87, .	4.7	13
24	Z boson production in proton-lead collisions at the LHC accounting for transverse momenta of initial partons. Physical Review D, 2019, 100, .	4.7	13
25	Title is missing!. Acta Physica Polonica B, 2012, 43, 2067.	0.8	12
26	Heavy quark production in the Aivazis-Collins-Olness-Tung scheme at next-to-next-to-leading and next-to-next-to-next-to-leading order. Physical Review D, 2012, 85, .	4.7	11
27	Impact of the heavy-quark matching scales in PDF fits. European Physical Journal C, 2017, 77, 837.	3.9	11
28	On regularizing the infrared singularities in QCD NLO splitting functions with the new Principal Value prescription. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 732, 218-222.	4.1	9
29	On the dependence of QCD splitting functions on the choice of the evolution variable. Journal of High Energy Physics, 2016, 2016, 1.	4.7	9
30	Impact of heavy quark and quarkonium data on nuclear gluon PDFs. Physical Review D, 2022, 105, .	4.7	8
31	NLO Corrections in the Initial-state Parton Shower Monte Carlo. Acta Physica Polonica B, 2013, 44, 2179.	0.8	7
32	Hybrid scheme for heavy flavors: Merging the fixed flavor number scheme and variable flavor number scheme. Physical Review D, 2013, 88, .	4.7	7
33	Title is missing!. Acta Physica Polonica B, 2011, 42, 2433.	0.8	6
34	Monte Carlo modelling of NLO DGLAP QCD evolution in the fully unintegrated form. Nuclear Physics, Section B, Proceedings Supplements, 2010, 205-206, 295-300.	0.4	5
35	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
36	A Survey of Heavy Quark Theory for PDF Analyses. Nuclear Physics, Section B, Proceedings Supplements, 2012, 222-224, 52-60.	0.4	4

#	ARTICLE	IF	CITATIONS
37	Physics perspectives with AFTER@LHC (A Fixed Target Experiment at LHC). EPJ Web of Conferences, 2018, 171, 10001.	0.3	4
38	Title is missing!. Acta Physica Polonica B, 2011, 42, 1475.	0.8	3
39	Virtual Corrections to the NLO Splitting Functions for Monte Carlo: the Non-singlet Case. Acta Physica Polonica B, 2013, 44, 2197.	0.8	1
40	Calculation of QCD NLO Splitting Functions in the Light-cone Gauge: a New Regularization Prescription. Acta Physica Polonica B, 2014, 45, 1361.	0.8	1
41	The new PV prescription for IR singularities of NLO splitting functions. , 2014, , .		1
42	LHC Lead Data and Nuclear PDFs. Acta Physica Polonica B, 2017, 48, 1035.	0.8	1
43	Title is missing!. Acta Physica Polonica B, 2011, 42, 1597.	0.8	0
44	Title is missing!. Acta Physica Polonica B, 2012, 43, 1607.	0.8	0
45	Frontiers of QCD with Precision nPDFs. EPJ Web of Conferences, 2016, 112, 03006.	0.3	0
46	Title is missing!. Acta Physica Polonica B, Proceedings Supplement, 2013, 6, 219.	0.1	0
47	Evolution Kernels for Parton Shower Monte Carlo. Acta Physica Polonica B, 2015, 46, 1343.	0.8	0
48	Non-perturbative Bottom PDF and Its Possible Impact on New Physics Searches. Acta Physica Polonica B, 2016, 47, 1519.	0.8	0
49	How QCD Evolution Kernels Depend on the Type of Evolution Variable. Acta Physica Polonica B, 2017, 48, 2275.	0.8	0