

Alexey Petrukhin

List of Publications by Year in descending order

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36
papers

2,256
citations

361296

20
h-index

345118

36
g-index

36
all docs

36
docs citations

36
times ranked

5585
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined measurement and QCD analysis of the inclusive $e^{\pm}p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	1.6	458
2	Combination of measurements of inclusive deep inelastic $e^{\pm}p$ scattering cross sections and QCD analysis of HERA data. European Physical Journal C, 2015, 75, 1.	1.4	383
3	Measurement and QCD analysis of the diffractive deep-inelastic scattering cross section at HERA. European Physical Journal C, 2006, 48, 715-748.	1.4	213
4	Diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2006, 48, 749-766.	1.4	105
5	Measurement of the charm and beauty structure functions using the H1 vertex detector at HERA. European Physical Journal C, 2010, 65, 89-109.	1.4	103
6	Measurement of the inclusive ep scattering cross section at low Q^2 and x at HERA. European Physical Journal C, 2009, 63, 625.	1.4	99
7	Diffractive electroproduction of \bar{D} and D mesons at HERA. Journal of High Energy Physics, 2010, 2010, 1.	1.6	90
8	Measurement of inclusive $\vec{e}p$ cross sections at high Q^2 at $\sqrt{s} = 225$ and 252 GeV and of the longitudinal proton structure function F_L at HERA. European Physical Journal C, 2014, 74, 1.	1.4	76
9	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	1.4	75
10	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	1.4	71
11	Tests of QCD factorisation in the diffractive production of dijets in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 51, 549-568.	1.4	63
12	Jet production in ep collisions at low Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 67, 1-24.	1.4	61
13	Jet production in ep collisions at high Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 65, 363-383.	1.4	60
14	Inelastic production of J/ψ mesons in photoproduction and deep inelastic scattering at HERA. European Physical Journal C, 2010, 68, 401-420.	1.4	50
15	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA. European Physical Journal C, 2018, 78, 1.	1.4	49
16	Diffractive open charm production in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 50, 1-20.	1.4	39
17	Study of charm fragmentation into D^{\pm} mesons in deep-inelastic scattering at HERA. European Physical Journal C, 2009, 59, 589-606.	1.4	26
18	Inclusive D^{\pm} meson and associated dijet production in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	1.4	25

#	ARTICLE	IF	CITATIONS
19	Measurement of charm and beauty dijet cross sections in photoproduction at HERA using the H1 vertex detector. European Physical Journal C, 2006, 47, 597-610.	1.4	24
20	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	1.3	23
21	Measurement of isolated photon production in deep-inelastic scattering at HERA. European Physical Journal C, 2008, 54, 371-387.	1.4	20
22	Prompt photons in photoproduction at HERA. European Physical Journal C, 2010, 66, 17-33.	1.4	20
23	Events with isolated leptons and missing transverse momentum and measurement of W production at HERA. European Physical Journal C, 2009, 64, 251-271.	1.4	16
24	Measurement of the c-jet mistagging efficiency in $t\bar{t}$ events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	14
25	Inclusive $D^{*\pm}$ meson cross sections and $D^{*\pm}$ -jet correlations in photoproduction at HERA. European Physical Journal C, 2007, 50, 251-267.	1.4	13
26	Search for lepton flavour violation in ep collisions at HERA. European Physical Journal C, 2007, 52, 833-847.	1.4	12
27	Determination of the parton distribution functions of the proton using diverse ATLAS data from pp collisions at $\sqrt{s} = 7, 8$ and 13 TeV. European Physical Journal C, 2022, 82, 1.	1.4	12
28	Tau lepton production in ep collisions at HERA. European Physical Journal C, 2006, 48, 699-714.	1.4	10
29	Search for Higgs bosons decaying into new spin-0 or spin-1 particles in four-lepton final states with the ATLAS detector with 139 fb^{-1} of pp collision data at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2022, 2022, 1.	1.6	10
30	Search for baryonic resonances decaying to $\bar{\nu}_e e$ in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 52, 507-514.	1.4	9
31	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. Journal of High Energy Physics, 2010, 2010, 1.	1.6	8
32	Search for flavour-changing neutral-current interactions of a top quark and a gluon in pp collisions at $\sqrt{s}=13$ TeV with the ATLAS detector. European Physical Journal C, 2022, 82, .	1.4	7
33	Strangeness production at low Q ² in deep-inelastic ep scattering at HERA. European Physical Journal C, 2009, 61, 185-205.	1.4	4
34	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W^{\pm} \rightarrow u \bar{u} \rightarrow \pi^{\pm} u \bar{u}$ events in Run-2 data. European Physical Journal C, 2022, 82, 1.	1.4	4
35	Three- and four-jet production at low x at HERA. European Physical Journal C, 2008, 54, 389.	1.4	2
36	Measurement of the energy asymmetry in $t\bar{t}$ production at $\sqrt{s}=13$ TeV with the ATLAS experiment and interpretation in the SMEFT framework. European Physical Journal C, 2022, 82, .	1.4	2