

Alexey Petrukhin

List of Publications by Year in descending order

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36
papers

2,256
citations

361413

20
h-index

345221

36
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all docs

36
docs citations

36
times ranked

5585
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the c-jet mistagging efficiency in $\sqrt{s}=13$ TeV events using pp collision data at $\sqrt{s}=13$ TeV collected with the ATLAS detector. European Physical Journal C, 2022, 82, .	3.9	14
2	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.	4.7	10
3	AtlFast3: The Next Generation of Fast Simulation in ATLAS. Computing and Software for Big Science, 2022, 6, 1.	2.9	23
4	Measurement of the energy response of the ATLAS calorimeter to charged pions from $W \rightarrow \mu \nu$ events in Run 2 data. European Physical Journal C, 2022, 82, 1.	3.9	4
5	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, .	3.9	7
6	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, .	3.9	2
7	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.	3.9	12
8	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.	3.9	49
9	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.	3.9	383
10	Measurement of inclusive $\vec{e} p$ cross sections at high Q^2 at $\sqrt{s}=225$ GeV and of the longitudinal proton structure function F_L at HERA. European Physical Journal C, 2014, 74, 1.	3.9	76
11	Measurement of the charm and beauty structure functions using the H1 vertex detector at HERA. European Physical Journal C, 2010, 65, 89-109.	3.9	103
12	Jet production in ep collisions at high Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 65, 363-383.	3.9	60
13	Prompt photons in photoproduction at HERA. European Physical Journal C, 2010, 66, 17-33.	3.9	20
14	Jet production in ep collisions at low Q^2 and determination of $\hat{\sigma}$. European Physical Journal C, 2010, 67, 1-24.	3.9	61
15	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	3.9	75
16	Inelastic production of J/ψ mesons in photoproduction and deep inelastic scattering at HERA. European Physical Journal C, 2010, 68, 401-420.	3.9	50
17	Combined measurement and QCD analysis of the inclusive $e^{\pm} p$ scattering cross sections at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	458
18	Events with an isolated lepton and missing transverse momentum and measurement of W production at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	8

#	ARTICLE	IF	CITATIONS
19	Diffractive electroproduction of \bar{D}^* and D^* mesons at HERA. Journal of High Energy Physics, 2010, 2010, 1.	4.7	90
20	Study of charm fragmentation into D^* mesons in deep-inelastic scattering at HERA. European Physical Journal C, 2009, 59, 589-606.	3.9	26
21	Strangeness production at low Q^2 in deep-inelastic ep scattering at HERA. European Physical Journal C, 2009, 61, 185-205.	3.9	4
22	Measurement of the inclusive ep scattering cross section at low Q^2 and x at HERA. European Physical Journal C, 2009, 63, 625.	3.9	99
23	Events with isolated leptons and missing transverse momentum and measurement of W production at HERA. European Physical Journal C, 2009, 64, 251-271.	3.9	16
24	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	3.9	71
25	Measurement of isolated photon production in deep-inelastic scattering at HERA. European Physical Journal C, 2008, 54, 371-387.	3.9	20
26	Three- and four-jet production at low x at HERA. European Physical Journal C, 2008, 54, 389.	3.9	2
27	Diffractive open charm production in deep-inelastic scattering and photoproduction at HERA. European Physical Journal C, 2007, 50, 1-20.	3.9	39
28	Inclusive D^* meson cross sections and D^* -jet correlations in photoproduction at HERA. European Physical Journal C, 2007, 50, 251-267.	3.9	13
29	Inclusive D^* meson and associated dijet production in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 51, 271.	3.9	25
30	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.	3.9	63
31	Search for baryonic resonances decaying to \bar{D}^* in deep-inelastic scattering at HERA. European Physical Journal C, 2007, 52, 507-514.	3.9	9
32	Search for lepton flavour violation in ep collisions at HERA. European Physical Journal C, 2007, 52, 833-847.	3.9	12
33	Tau lepton production in ep collisions at HERA. European Physical Journal C, 2006, 48, 699-714.	3.9	10
34	Measurement and QCD analysis of the diffractive deep-inelastic scattering cross section at HERA. European Physical Journal C, 2006, 48, 715-748.	3.9	213
35	Diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2006, 48, 749-766.	3.9	105
36	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.	3.9	24