

Pawel Sopicki

List of Publications by Year in descending order

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76
papers

4,376
citations

159525

30
h-index

106281

65
g-index

80
all docs

80
docs citations

80
times ranked

6893
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	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
3	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
4	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
5	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
6	Elastic and proton-dissociative photoproduction of J/ψ mesons at HERA. European Physical Journal C, 2013, 73, 1.	1.4	137
7	Combination and QCD analysis of charm production cross section measurements in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	1.4	134
8	Higgs physics at the CLIC electron-positron linear collider. European Physical Journal C, 2017, 77, 475.	1.4	112
9	Measurement of the inclusive $e^{\pm} p$ scattering cross section at high inelasticity y and of the structure function F_L . European Physical Journal C, 2011, 71, 1.	1.4	110
10	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
11	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
12	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
13	Diffraction electroproduction of \bar{D} and D mesons at HERA. Journal of High Energy Physics, 2010, 2010, 1.	1.6	90
14	Measurement of the proton structure function F_2 and F_L at HERA. Particle and High-Energy Physics, 2008, 665, 139-146.	1.5	89
15	Measurement of inclusive $e^{\pm} p$ 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
16	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	1.4	75
17	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	1.4	71
18	Deeply virtual Compton scattering and its beam charge asymmetry in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 391-399.	1.5	61

#	ARTICLE	IF	CITATIONS
19	Jet production in ep collisions at low Q^2 and determination of $\hat{\Gamma}_{\pm}$ s. European Physical Journal C, 2010, 67, 1-24.	1.4	61
20	Jet production in ep collisions at high Q^2 and determination of $\hat{\Gamma}_{\pm}$ s. European Physical Journal C, 2010, 65, 363-383.	1.4	60
21	Inclusive deep inelastic scattering at high Q^2 with longitudinally polarised lepton beams at HERA. Journal of High Energy Physics, 2012, 2012, 1.	1.6	57
22	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
23	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
24	Measurement of D^{\pm} meson production and determination of F_2^{charm} at low Q^2 in deep-inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	1.4	41
25	Measurement of the cross section for diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2011, 71, 1.	1.4	38
26	Measurement of multijet production in e^+p collisions at high Q^2 and determination of the strong coupling α_s s. European Physical Journal C, 2015, 75, 1.	1.4	34
27	Combined inclusive diffractive cross sections measured with forward proton spectrometers in deep inelastic ep scattering at HERA. European Physical Journal C, 2012, 72, 1.	1.4	33
28	Inclusive measurement of diffractive deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1.	1.4	31
29	Search for first generation leptoquarks in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 388-396.	1.5	30
30	Determination of the strong coupling constant $\alpha_s(m_Z)$ in next-to-next-to-leading order QCD using H1 jet cross section measurements. European Physical Journal C, 2017, 77, 791.	1.4	30
31	Search for single top quark production at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 450-458.	1.5	29
32	Diffractive dijet photoproduction in ep collisions at HERA. European Physical Journal C, 2010, 70, 15-37.	1.4	29
33	A general search for new phenomena at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 674, 257-268.	1.5	27
34	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
35	Measurement of the meson production cross section and α_s s. European Physical Journal C, 2015, 75, 1.	1.5	26
36	Measurement of dijet production in diffractive deep-inelastic scattering with a leading proton at HERA. European Physical Journal C, 2012, 72, 1.	1.4	24

#	ARTICLE	IF	CITATIONS
37	Top-quark physics at the CLIC electron-positron linear collider. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
38	Measurement of Lepton-Jet Correlation in Deep-Inelastic Scattering with the H1 Detector Using Machine Learning for Unfolding. Physical Review Letters, 2022, 128, 132002.	2.9	24
39	Measurement of jet production cross sections in deep-inelastic ep scattering at HERA. European Physical Journal C, 2017, 77, 1.	1.4	23
40	Measurement of charged particle multiplicity distributions in DIS at HERA and its implication to entanglement entropy of partons. European Physical Journal C, 2021, 81, 1.	1.4	21
41	Prompt photons in photoproduction at HERA. European Physical Journal C, 2010, 66, 17-33.	1.4	20
42	Diffraction dijet production with a leading proton in ep collisions at HERA. Journal of High Energy Physics, 2015, 2015, 1.	1.6	19
43	Measurement of Feynman- x spectra of photons and neutrons in the very forward direction in deep-inelastic scattering at HERA. European Physical Journal C, 2014, 74, 1.	1.4	17
44	Events with isolated leptons and missing transverse momentum and a measurement of W production at HERA. European Physical Journal C, 2009, 64, 251-271.	1.4	16
45	Search for contact interactions in e^+e^- collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 705, 52-58.	1.5	16
46	Measurement of charm and beauty jets in deep inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	1.4	16
47	Search for excited electrons in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 666, 131-139.	1.5	15
48	Exclusive ρ^0 meson photoproduction with a leading neutron at HERA. European Physical Journal C, 2016, 76, 1.	1.4	15
49	Multi-lepton production at high transverse momenta in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 668, 268-276.	1.5	13
50	Measurement of beauty photoproduction near threshold using di-electron events with the H1 detector at HERA. European Physical Journal C, 2012, 72, 1.	1.4	13
51	Measurement of dijet production in diffractive deep-inelastic ep scattering at HERA. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
52	Determination of the integrated luminosity at HERA using elastic QED Compton events. European Physical Journal C, 2012, 72, 1.	1.4	12
53	Search for lepton flavour violation at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 20-30.	1.5	11
54	Simulating hard photon production with Whizard. European Physical Journal C, 2020, 80, 1.	1.4	10

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55	Search for excited quarks in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 678, 335-343.	1.5	9
56	Measurement of photon production in the very forward direction in deep-inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	1.4	9
57	Measurement of the diffractive longitudinal structure function F_L^D at HERA. European Physical Journal C, 2011, 71, 1.	1.4	9
58	Measurement of the azimuthal correlation between the most forward jet and the scattered positron in deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1.	1.4	9
59	Measurement of exclusive $\vec{\pi}^+$ and \vec{h}_c^0 meson photoproduction at HERA. European Physical Journal C, 2020, 80, 1.	1.4	9
60	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
61	Search for squarks in R-parity violating supersymmetry in e^+e^- collisions at HERA. European Physical Journal C, 2011, 71, 1.	1.4	8
62	Measurement of inclusive and dijet $\vec{\pi}^-$ meson cross sections in photoproduction at HERA. European Physical Journal C, 2012, 72, 1.	1.4	8
63	Measurement of charged particle spectra in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	1.4	8
64	Sensitivity of future linear e^+e^- colliders to processes of dark matter production with light mediator exchange. European Physical Journal C, 2021, 81, 1.	1.4	8
65	Impact of jet-production data on the next-to-next-to-leading-order determination of HERAPDF2.0 parton distributions. European Physical Journal C, 2022, 82, 1.	1.4	8
66	Observation of the hadronic final state charge asymmetry in high Q^2 deep-inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 681, 125-133.	1.5	7
67	Measurement of beauty and charm photoproduction using semi-muonic decays in dijet events at HERA. European Physical Journal C, 2012, 72, 1.	1.4	7
68	Determination of electroweak parameters in polarised deep-inelastic scattering at HERA. European Physical Journal C, 2018, 78, 1.	1.4	7
69	Search for QCD instanton-induced processes at HERA in the high- Q^2 domain. European Physical Journal C, 2016, 76, 1.	1.4	6
70	Multi-leptons with high transverse momentum at HERA. Journal of High Energy Physics, 2009, 2009, 013-013.	1.6	5
71	Measurement of diffractive scattering of photons with large momentum transfer at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 672, 219-226	1.5	5
72	Inclusive photoproduction of \vec{K}^0 and \vec{K}^+ mesons at HERA. Ph	1.5	4

#	ARTICLE	IF	CITATIONS
73	Strangeness production at low Q^2 in deep-inelastic ep scattering at HERA. European Physical Journal C, 2009, 61, 185-205.	1.4	4
74	Combination of differential D^{\pm} cross-section measurements in deep-inelastic ep scattering at HERA. Journal of High Energy Physics, 2015, 2015, 1.	1.6	4
75	Dark matter searches with mono-photon signature at future e^+e^- colliders. SciPost Physics Proceedings, 2022, , .	0.2	2
76	Measurement of \vec{D}^* D^{\pm} production in diffractive deep inelastic scattering at HERA. European Physical Journal C, 2017, 77, 1.	1.4	1