

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	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
2	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
3	Dark matter searches with mono-photon signature at future e^+e^- colliders. SciPost Physics Proceedings, 2022, , .	0.2	2
4	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
5	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
6	Simulating hard photon production with Whizard. European Physical Journal C, 2020, 80, 1.	1.4	10
7	Measurement of exclusive $\vec{\pi}^+\pi^-$ and \vec{h}^0 meson photoproduction at HERA. European Physical Journal C, 2020, 80, 1.	1.4	9
8	FCC-hh: The Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 755-1107.	1.2	367
9	HE-LHC: The High-Energy Large Hadron Collider. European Physical Journal: Special Topics, 2019, 228, 1109-1382.	1.2	108
10	FCC-ee: The Lepton Collider. European Physical Journal: Special Topics, 2019, 228, 261-623.	1.2	424
11	FCC Physics Opportunities. European Physical Journal C, 2019, 79, 1.	1.4	346
12	Top-quark physics at the CLIC electron-positron linear collider. Journal of High Energy Physics, 2019, 2019, 1.	1.6	24
13	Determination of electroweak parameters in polarised deep-inelastic scattering at HERA. European Physical Journal C, 2018, 78, 1.	1.4	7
14	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
15	Measurement of jet production cross sections in deep-inelastic ep scattering at HERA. European Physical Journal C, 2017, 77, 1.	1.4	23
16	Measurement of \vec{D}^* D^* production in diffractive deep inelastic scattering at HERA. European Physical Journal C, 2017, 77, 1.	1.4	1
17	Determination of the strong coupling constant $\vec{\alpha}_s(m_Z)$ in next-to-next-to-leading order QCD using H1 jet cross section measurements. European Physical Journal C, 2017, 77, 791.	1.4	30
18	Higgs physics at the CLIC electron-positron linear collider. European Physical Journal C, 2017, 77, 475.	1.4	112

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19	Search for QCD instanton-induced processes at HERA in the high- Q^2 domain. European Physical Journal C, 2016, 76, 1.	1.4	6
20	Exclusive ρ^0 meson photoproduction with a leading neutron at HERA. European Physical Journal C, 2016, 76, 1.	1.4	15
21	Combination of measurements of inclusive deep inelastic e^+p scattering cross sections and QCD analysis of HERA data. European Physical Journal C, 2015, 75, 1.	1.4	383
22	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
23	Measurement of multijet production in e^+p collisions at high Q^2 and determination of the strong coupling α_s . European Physical Journal C, 2015, 75, 1.	1.4	34
24	Measurement of dijet production in diffractive deep-inelastic ep scattering at HERA. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
25	Diffractive dijet production with a leading proton in ep collisions at HERA. Journal of High Energy Physics, 2015, 2015, 1.	1.6	19
26	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
27	Measurement of inclusive ep 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
28	Elastic and proton-dissociative photoproduction of J/ψ mesons at HERA. European Physical Journal C, 2013, 73, 1.	1.4	137
29	Measurement of charged particle spectra in deep-inelastic ep scattering at HERA. European Physical Journal C, 2013, 73, 1.	1.4	8
30	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
31	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
32	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
33	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
34	Inclusive measurement of diffractive deep-inelastic scattering at HERA. European Physical Journal C, 2012, 72, 1.	1.4	31
35	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
36	Determination of the integrated luminosity at HERA using elastic QED Compton events. European Physical Journal C, 2012, 72, 1.	1.4	12

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37	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
38	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
39	Measurement of inclusive and dijet D^* meson cross sections in photoproduction at HERA. European Physical Journal C, 2012, 72, 1.	1.4	8
40	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
41	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
42	Measurement of charm and beauty jets in deep inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	1.4	16
43	Search for squarks in R-parity violating supersymmetry in e^+e^- collisions at HERA. European Physical Journal C, 2011, 71, 1.	1.4	8
44	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
45	Measurement of the inclusive e^+e^- scattering cross section at high inelasticity y and of the structure function F_L . European Physical Journal C, 2011, 71, 1.	1.4	110
46	Measurement of D^* meson production and determination of $F_2^{\text{car}\{c\}}$ at low Q^2 in deep-inelastic scattering at HERA. European Physical Journal C, 2011, 71, 1.	1.4	41
47	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
48	Measurement of the diffractive longitudinal structure function F_L^D at HERA. European Physical Journal C, 2011, 71, 1.	1.4	9
49	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
50	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
51	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
52	Prompt photons in photoproduction at HERA. European Physical Journal C, 2010, 66, 17-33.	1.4	20
53	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
54	Measurement of leading neutron production in deep-inelastic scattering at HERA. European Physical Journal C, 2010, 68, 381-399.	1.4	75

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73	A precision measurement of the inclusive ep scattering cross section at HERA. European Physical Journal C, 2009, 64, 561-587.	1.4	71
74	Measurement of the proton structure function $F_2(x, Q^2)$ at HERA. Particle and High-Energy Physics, 2008, 665, 139-146.	1.5	89
75	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
76	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