

# Justyna Tomaszewska

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/901383/publications.pdf>

Version: 2024-02-01

162  
papers

4,730  
citations

126708

33  
h-index

110170

64  
g-index

165  
all docs

165  
docs citations

165  
times ranked

6820  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Measurement of the neutral current cross section and $\mathbf{F}_2$ structure function for deep inelastic $\{e^+p\}$ scattering at HERA. European Physical Journal C, 2001, 21, 443-471.	1.4	326
3	Exclusive photoproduction of $\{J/\psi\}$ mesons at HERA. European Physical Journal C, 2002, 24, 345-360.	1.4	270
4	Exclusive electroproduction of $\{J/\psi\}$ mesons at HERA. Nuclear Physics B, 2004, 695, 3-37.	0.9	164
5	Evidence for a narrow baryonic state decaying to $\{K^0_S p\}$ and $\{K^0_S \bar{p}\}$ , in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 7-22.	1.5	162
6	Measurement of deeply virtual Compton scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 573, 46-62.	1.5	143
7	HERAFitter. European Physical Journal C, 2015, 75, 1.	1.4	141
8	ZEUS next-to-leading-order QCD analysis of data on deep inelastic scattering. Physical Review D, 2003, 67, .	1.6	139
9	An NLO QCD analysis of inclusive cross-section and jet-production data from the ZEUS experiment. European Physical Journal C, 2005, 42, 1-16.	1.4	103
10	Exclusive $\{J/\psi\}$ production in deep inelastic scattering at HERA. PMC Physics A, 2007, 1, .	9.1	98
11	Measurement of $\{D^*_{\pm}\}$ production in deep inelastic $\{e^{\pm}p\}$ scattering at DESY HERA. Physical Review D, 2004, 69, .	1.6	94
12	Inclusive jet cross sections in the Breit frame in neutral current deep inelastic scattering at HERA and determination of $\{F_2\}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 547, 164-180.	1.5	83
13	Exclusive electroproduction of $\{J/\psi\}$ mesons at HERA. Nuclear Physics B, 2005, 718, 3-31.	0.9	83
14	Leading neutron production in $\{e^+p\}$ collisions at HERA. Nuclear Physics B, 2002, 637, 3-56.	0.9	80
15	Search for single-top production in $\{ep\}$ collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 559, 153-170.	1.5	79
16	Study of deep inelastic inclusive and diffractive scattering with the ZEUS forward plug calorimeter. Nuclear Physics B, 2005, 713, 3-80.	0.9	77
17	Dissociation of virtual photons in events with a leading proton at HERA. European Physical Journal C, 2004, 38, 43-67.	1.4	71
18	Inclusive-jet and dijet cross sections in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 765, 1-30.	0.9	65

#	ARTICLE	IF	CITATIONS
19	Measurement of proton-dissociative diffractive photoproduction of vector mesons at large momentum transfer at HERA. <i>European Physical Journal C</i> , 2003, 26, 389-409.	1.4	60
20	Dijet photoproduction at HERA and the structure of the photon. <i>European Physical Journal C</i> , 2002, 23, 615-631.	1.4	55
21	Measurement of the photon-proton total cross section at a center-of-mass energy of 209 GeV at HERA. <i>Nuclear Physics B</i> , 2002, 627, 3-28.	0.9	51
22	Measurement of high-Q <sup>2</sup> charged current cross sections in e + p deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2003, 32, 1-16.	1.4	50
23	High-Q <sup>2</sup> neutral current cross sections in e+p deep inelastic scattering at s=318 GeV. <i>Physical Review D</i> , 2004, 70, .	1.6	50
24	Combination and QCD analysis of charm and beauty production cross-section measurements in deep inelastic ep scattering at HERA. <i>European Physical Journal C</i> , 2018, 78, 1.	1.4	49
25	Measurement of D <sup>±</sup> and D <sup>0</sup> production in deep inelastic scattering using a lifetime tag at HERA. <i>European Physical Journal C</i> , 2009, 63, 171-188.	1.4	47
26	Measurement of the open-charm contribution to the diffractive proton structure function. <i>Nuclear Physics B</i> , 2003, 672, 3-35.	0.9	43
27	Diffractive photoproduction of dijets in ep collisions at HERA. <i>European Physical Journal C</i> , 2008, 55, 177-191.	1.4	41
28	Measurements of inelastic $J/\psi$ and $\psi^{\prime}$ photoproduction at HERA. <i>European Physical Journal C</i> , 2003, 27, 173-188.	1.4	40
29	Measurement of high-Q <sup>2</sup> e-p neutral current cross sections at HERA and the extraction of xF <sub>3</sub> . <i>European Physical Journal C</i> , 2003, 28, 175-201.	1.4	40
30	Measurement of beauty production in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 599, 173-189.	1.5	38
31	Search for resonance decays to lepton+jet at DESY HERA and limits on leptoquarks. <i>Physical Review D</i> , 2003, 68, .	1.6	37
32	Leading neutron energy and distributions in deep inelastic scattering and photoproduction at HERA. <i>Nuclear Physics B</i> , 2007, 776, 1-37.	0.9	36
33	Search for a narrow charmed baryonic state decaying to $D^{\ast \pm} p^{\pm}$ in ep collisions at HERA. <i>European Physical Journal C</i> , 2004, 38, 29-41.	1.4	34
34	Leading proton production in e+p collisions at HERA. <i>Nuclear Physics B</i> , 2003, 658, 3-46.	0.9	33
35	Measurement of beauty and charm production in deep inelastic scattering at HERA and measurement of the beauty-quark mass. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	1.6	33
36	Dijet production in neutral current deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2002, 23, 13-27.	1.4	32

#	ARTICLE	IF	CITATIONS
37	Measurement of charm fragmentation ratios and fractions in photoproduction at HERA. European Physical Journal C, 2005, 44, 351-366.	1.4	32
38	Alignment of the CMS tracker with LHC and cosmic ray data. Journal of Instrumentation, 2014, 9, P06009-P06009.	0.5	32
39	Measurement of subjet multiplicities in neutral current deep inelastic scattering at HERA and determination of $\Gamma_{\pm}$ s. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 558, 41-58.	1.5	31
40	Jet-radius dependence of inclusive-jet cross sections in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 649, 12-24.	1.5	31
41	Search for contact interactions, large extra dimensions and finite quark radius in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 591, 23-41.	1.5	30
42	Measurement of high- $Q^2$ neutral current deep inelastic $e^+p$ scattering cross sections with a longitudinally polarised electron beam at HERA. European Physical Journal C, 2009, 62, 625-658.	1.4	30
43	Deep inelastic cross-section measurements at large $Q^2$ with the ZEUS detector at HERA. Physical Review D, 2014, 90, ..	1.6	30
44	Searches for excited fermions in ep collisions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 549, 32-47.	1.5	29
45	Production of excited charm and charm-strange mesons at HERA. European Physical Journal C, 2009, 60, 25-45.	1.4	28
46	Measurement of charged current deep inelastic scattering cross sections with a longitudinally polarised electron beam at HERA. European Physical Journal C, 2009, 61, 223-235.	1.4	28
47	Deep inelastic inclusive and diffractive scattering at $Q^2$ values from 25 to 320 GeV <sup>2</sup> with the ZEUS forward plug calorimeter. Nuclear Physics B, 2008, 800, 1-76.	0.9	27
48	Inclusive jet cross sections and dijet correlations in photoproduction at HERA. Nuclear Physics B, 2005, 729, 492-525.	0.9	26
49	Event shapes in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 767, 1-28.	0.9	26
50	Scaling violations and determination of $\Gamma_{\pm}$ s from jet production in $\hat{\gamma}p$ interactions at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 560, 7-23.	1.5	25
51	Measurement of prompt photons with associated jets in photoproduction at HERA. European Physical Journal C, 2007, 49, 511-522.	1.4	24
52	High-mass dijet cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 531, 9-27.	1.5	23
53	Polish Transition towards Circular Economy: Materials Management and Implications for the Construction Sector. Materials, 2020, 13, 5228.	1.3	23
54	Observation of isolated high-ET photons in deep inelastic scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 595, 86-100.	1.5	22

#	ARTICLE	IF	CITATIONS
55	Search for pentaquarks decaying to $\Lambda_c^+ \pi^-$ in deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 212-224.	1.5	22
56	Monitoring System for Railway Infrastructure Elements Based on Thermal Imaging Analysis. Sensors, 2021, 21, 3819.	2.1	22
57	Dijet angular distributions in photoproduction of charm at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 565, 87-101.	1.5	21
58	Forward jet production in deep inelastic ep scattering and low-x parton dynamics at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 632, 13-26.	1.5	21
59	Measurement of event shapes in deep inelastic scattering at HERA. European Physical Journal C, 2003, 27, 531-545.	1.4	20
60	Three- and four-jet final states in photoproduction at HERA. Nuclear Physics B, 2008, 792, 1-47.	0.9	20
61	Measurement of open beauty production at HERA in the $D^* \pi$ final state. European Physical Journal C, 2007, 50, 299-314.	1.4	19
62	Measurement of (anti)deuteron and (anti)proton production in DIS at HERA. Nuclear Physics B, 2007, 786, 181-205.	0.9	18
63	Search for stop production in R-parity-violating supersymmetry at HERA. European Physical Journal C, 2007, 50, 269.	1.4	18
64	Diffraction photoproduction of $D^* \Lambda^\pm$ (2010) at HERA. European Physical Journal C, 2007, 51, 301-315.	1.4	18
65	A polypropylene cartridge filter with hematite nanoparticles for solid particles retention and arsenic removal. Applied Surface Science, 2016, 366, 529-534.	3.1	18
66	Measurement of the Q and energy dependence of diffractive interactions at HERA. European Physical Journal C, 2002, 25, 169-187.	1.4	17
67	Measurement of high- $p_T$ dijet production at HERA. Nuclear Physics B, 2007, 786, 152-180.	1.5	17
68	Multijet production at low $x$ in deep inelastic scattering at HERA. Nuclear Physics B, 2007, 786, 152-180.	0.9	17
69	Measurement of $K_0 S$ , $\Lambda_c^+ \pi^-$ and $\Lambda_c^+ \pi^0$ production at HERA. European Physical Journal C, 2007, 51, 1-23.	1.4	17
70	Rotary jet-spinning of hematite fibers. Textile Research Journal, 2015, 85, 316-324.	1.1	16
71	Search for QCD-instanton induced events in deep inelastic ep scattering at HERA. European Physical Journal C, 2004, 34, 255-265.	1.4	15
72	Photoproduction of $D_s^+ \pi^-$ mesons associated with a leading neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 590, 143-160.	1.5	15

#	ARTICLE	IF	CITATIONS
73	Study of the pion trajectory in the photoproduction of leading neutrons at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 610, 199-211.	1.5	15
74	Measurement of inelastic $J/\psi$ production in deep inelastic scattering at HERA. European Physical Journal C, 2005, 44, 13-25.	1.4	15
75	Search for lepton-flavor violation at HERA. European Physical Journal C, 2005, 44, 463-479.	1.4	15
76	Influence of Rendering Type on the Environmental Characteristics of Expanded Polystyrene-Based External Thermal Insulation Composite System. Buildings, 2020, 10, 47.	1.4	15
77	Jet production in charged current deep inelastic $e + p$ scattering at HERA. European Physical Journal C, 2003, 31, 149-164.	1.4	14
78	High-ETdijet photoproduction at HERA. Physical Review D, 2007, 76, .	1.6	14
79	Substructure dependence of jet cross sections at HERA and determination of. Nuclear Physics B, 2004, 700, 3-50.	0.9	13
80	Multijet production in neutral current deep inelastic scattering at HERA and determination of $\alpha_s$ . European Physical Journal C, 2005, 44, 183-193.	1.4	13
81	Measurement of azimuthal asymmetries in neutral current deep inelastic scattering at HERA. European Physical Journal C, 2007, 51, 289-299.	1.4	13
82	Measurement of the charm fragmentation function in $D^*$ photoproduction at HERA. Journal of High Energy Physics, 2009, 2009, 082-082.	1.6	13
83	Measurement of the cross-section ratio $\sigma_f(\gamma^*(2S)) / \sigma_f(\gamma^*(1S))$ in deep inelastic exclusive ep scattering at HERA. Nuclear Physics B, 2016, 909, 934-953.	0.9	13
84	Zirconia-Alumina Composites Obtained by Centrifugal Slip Casting as Attractive Sustainable Material for Application in Construction. Materials, 2021, 14, 250.	1.3	13
85	Study of the azimuthal asymmetry of jets in neutral current deep inelastic scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 226-240.	1.5	12
86	Measurement of D mesons production in deep inelastic scattering at HERA. Journal of High Energy Physics, 2007, 2007, 074-074.	1.6	12
87	Forward-jet production in deep inelastic ep scattering at HERA. European Physical Journal C, 2007, 52, 515-530.	1.4	12
88	Beauty photoproduction using decays into electrons at HERA. Physical Review D, 2008, 78, .	1.6	12
89	Leading proton production in deep inelastic scattering at HERA. Journal of High Energy Physics, 2009, 2009, 074-074.	1.6	12
90	Isolated tau leptons in events with large missing transverse momentum at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 583, 41-58.	1.5	11

#	ARTICLE	IF	CITATIONS
91	Combined QCD and electroweak analysis of HERA data. <i>Physical Review D</i> , 2016, 93, .	1.6	11
92	Measurement of diffractive production of $D^{\pm}(2010)$ mesons in deep-inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2002, 545, 244-260.	1.5	10
93	Bose-Einstein correlations in one and two dimensions in deep inelastic scattering. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 583, 231-246.	1.5	10
94	Bose-Einstein correlations of charged and neutral kaons in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 652, 1-12.	1.5	10
95	Photoproduction of events with rapidity gaps between jets at HERA. <i>European Physical Journal C</i> , 2007, 50, 283-297.	1.4	10
96	Measurement of $f_1/\tilde{f}_1$ helicity distributions in inelastic photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2009, 2009, 007-007.	1.6	10
97	Search for events with an isolated lepton and missing transverse momentum and a measurement of $W$ production at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2009, 672, 106-115.	1.5	10
98	Parton distribution functions at LO, NLO and NNLO with correlated uncertainties between orders. <i>European Physical Journal C</i> , 2014, 74, 1.	1.4	10
99	Photoproduction of isolated photons, inclusively and with a jet, at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2014, 730, 293-301.	1.5	10
100	Limits on the effective quark radius from inclusive ep scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 757, 468-472.	1.5	10
101	Production of exclusive dijets in diffractive deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2016, 76, 1.	1.4	10
102	Fuzzy Logic in Aircraft Onboard Systems Reliability Evaluation – A New Approach. <i>Sensors</i> , 2021, 21, 7913.	2.1	10
103	Inclusive $K_S^0 K_S^0$ Production in $ep$ Collisions at HERA. <i>Physical Review Letters</i> , 2000, 101, 112003.	2.9	9
104	Sintering Behavior, Thermal Expansion, and Environmental Impacts Accompanying Materials of the Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> System Fabricated via Slip Casting. <i>Materials</i> , 2021, 14, 3365.	1.3	9
105	The dependence of dijet production on photon virtuality in ep collisions at HERA. <i>European Physical Journal C</i> , 2004, 35, 487-500.	1.4	8
106	Observation of $K_S^0 K_S^0$ resonances in deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2004, 578, 33-44.	1.5	8
107	Polypropylene – zinc oxide nanorod hybrid material for applications in separation processes. <i>Chemical and Process Engineering - Inzynieria Chemiczna I Procesowa</i> , 2016, 37, 393-403.	0.7	8
108	Limits on contact interactions and leptoquarks at HERA. <i>Physical Review D</i> , 2019, 99, .	1.6	8

#	ARTICLE	IF	CITATIONS
109	Al <sub>2</sub> O <sub>3</sub> /ZrO <sub>2</sub> Materials as an Environmentally Friendly Solution for Linear Infrastructure Applications. <i>Materials</i> , 2021, 14, 2375.	1.3	8
110	Environmental footprint as a criterion in the ZTA composites forming process via centrifugal slip casting. <i>Ceramics International</i> , 2021, 47, 18053-18064.	2.3	8
111	Properties of hadronic final states in diffractive deep inelastic scattering at DESY HERA. <i>Physical Review D</i> , 2002, 65, .	1.6	7
112	Observation of the strange sea in the proton via inclusive $\bar{t}$ -meson production in neutral current deep inelastic scattering at HERA. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2003, 553, 141-158.	1.5	7
113	Measurement of meson production in scattering at low. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2007, 649, 111-121.	1.5	7
114	Subjet distributions in deep inelastic scattering at HERA. <i>European Physical Journal C</i> , 2009, 63, 527-548.	1.4	7
115	Measurement of beauty production from dimuon events at HERA. <i>Journal of High Energy Physics</i> , 2009, 032-032.	1.6	7
116	Search for lepton-flavor violation in $e^+p$ collisions at DESY HERA. <i>Physical Review D</i> , 2002, 65, .	1.6	6
117	Multijet cross sections in charged current $e^{\pm}p$ scattering at HERA. <i>Physical Review D</i> , 2008, 78, .	1.6	6
118	Measurement of beauty photoproduction using decays into muons in dijet events at HERA. <i>Journal of High Energy Physics</i> , 2009, 2009, 133-133.	1.6	6
119	Measurement of neutral current $e^{\pm}p$ cross sections at high Bjorken $x$ with the ZEUS detector. <i>Physical Review D</i> , 2014, 89, .	1.6	6
120	Environmental Footprint of Cementitious Adhesives Components of ETICS. <i>Sustainability</i> , 2020, 12, 8998.	1.6	6
121	Multi-leptons with high transverse momentum at HERA. <i>Journal of High Energy Physics</i> , 2009, 2009, 013-013.	1.6	5
122	Scaled momentum distributions of charged particles in dijet photoproduction at HERA. <i>Journal of High Energy Physics</i> , 2009, 2009, 077-077.	1.6	5
123	Analysis of the equipment operation system in terms of availability. <i>Journal of KONBiN</i> , 2016, 40, 5-20.	0.1	5
124	Measurement of neutral current cross sections at high Bjorken- $x$ with the ZEUS detector at HERA. <i>European Physical Journal C</i> , 2007, 49, 523-544.	1.4	4
125	Energy dependence of the charged multiplicity in deep inelastic scattering at HERA. <i>Journal of High Energy Physics</i> , 2008, 2008, 061-061.	1.6	4
126	Combination of differential $D_{\pm}^{\hat{t}}$ cross-section measurements in deep-inelastic $ep$ scattering at HERA. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	1.6	4





#	ARTICLE	IF	CITATIONS
145	Risk analysis with the usage of IT system TURAWA. MATEC Web of Conferences, 2018, 210, 04008.	0.1	1
146	The Impact of Input Parameters on the Reliability of Aircraft. , 2018, , .		1
147	Statistical Analysis of Aviation Accidents and Incidents Caused by Failure of Hydraulic Systems. MATEC Web of Conferences, 2019, 291, 01005.	0.1	1
148	Analysis of the aircraft accidents occurred in units of the Polish Air Force Academy in the years 1970-1994. Zeszyty Naukowe Uniwersytetu Szczecińskiego Problemy Transportu I Logistyki, 2016, 33, 35-43.	0.0	1
149	Analysis of the Causes of Aviation Accidents During Controlled Flight into Terrain. , 2020, , .		1
150	Analysis of Aircraft Operation System Regarding Readiness-Case Study. Aerospace, 2022, 9, 14.	1.1	1
151	Analysis of the operation process of a training aircraft-Cessna 150. MATEC Web of Conferences, 2019, 292, 01009.	0.1	0
152	Comparative Analysis of Pseudorange Error of GPS and GLONASS Satellite Systems. , 2019, , .		0
153	Comparison of Readiness to Perform the Task of Aircraft Used for Cadet Training. , 2021, , .		0
154	Analysis of the Reliability of Training Helicopters. , 2021, , .		0
155	Reliability Analysis of the On-Board Flight and Navigation Equipment on the Aircraft. , 2021, , .		0
156	Exclusive electroproduction. , 2008, , .		0
157	Statistical analysis of passenger traffic at the Chopin Airport. Zeszyty Naukowe Uniwersytetu Szczecińskiego Problemy Transportu I Logistyki, 2016, 33, 25-33.	0.0	0
158	Hazards and Risk Minimization of Manned Interplanetary Missions. , 2019, , .		0
159	Analysis of the development of aviation infrastructure on the example a country from North America. WUT Journal of Transportation Engineering, 2019, 127, 5-14.	0.1	0
160	Operating Reliability in the Special Air Transport of the Aircraft Gulfstream G55. , 2020, , .		0
161	Analysis of Lifetime Prediction of the on Board Starter Current. , 2020, , .		0
162	Reliability Determination of Nanoelectronic Devices Using Semi-Marcov Processes. Journal of KONBiN, 2020, 50, 277-296.	0.1	0