Krzysztof J Golec-Biernat

List of Publications by Year
in descending order

73 papers	4,550 citations	201674 27 h-index	98798 67 g-index
73 all docs	73 docs citations	73 times ranked	3440 citing authors

#	Article	IF	Citations
1	Prompt photon production in proton collisions as a probe of parton scattering in high energy limit. Physical Review D, 2021, 103, .	4.7	5
2	Drellâ€“Yan production with the CCFM-K evolution. European Physical Journal C, 2020, 80, 1.	3.9	3
3	Probing BFKL Dynamics with Forward Drell--Yan Lepton-pair and Backward Jet. Acta Physica Polonica B, Proceedings Supplement, 2019, 12, 897.	0.1	0
4	Drell-Yan plus jet production and BFKL evolution. , 2019, , .		0
5	Saturation model of DIS: an update. Journal of High Energy Physics, 2018, 2018, 1.	4.7	47
6	Forward Drell-Yan and backward jet production as a probe of the BFKL dynamics. Journal of High Energy Physics, 2018, 2018, 1.	4.7	20
7	On the use of the KMR unintegrated parton distribution functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 633-638.	4.1	26
8	Numerical analysis of the unintegrated double gluon distribution. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
9	Evolution equations for the double parton distributions. Initial conditions and transverse momentum dependence. EPJ Web of Conferences, 2017, 141, 06001.	0.3	0
10	Unintegrated double parton distributions - A summary. AIP Conference Proceedings, 2017, , .	0.4	1
11	Unintegrated double parton distributions. Physical Review D, 2017, 95, .	4.7	7
12	Title is missing!. , 2017, , .		0
13	LHC forward physics. Journal of Physics G: Nuclear and Particle Physics, 2016, 43, 110201.	3.6	99
14	Generalized Valon Model for Double Parton Distributions. Few-Body Systems, 2016, 57, 405-410.	1.5	23
15	Constraining the double gluon distribution by the single gluon distribution. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 559-564.	4.1	27
16	Electroweak boson production in double parton scattering. Physical Review D, 2014, 90, .	4.7	19
17	How to impose initial conditions for QCD evolution of double parton distributions?. Physical Review D, 2014, 90, .	4.7	17
18	Nonlinear equation for coherent gluon emission. Journal of High Energy Physics, 2012, 2012, 1.	4.7	27

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19	Electroweak vector boson production at the LHC as a probe of mechanisms of diffraction. Physical Review D, 2011, 84, .	4.7	6
20	Twist expansion of the nucleon structure functions,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>F</mml:mi><mml:mn>2</mml:mn></mml:msub></mml:math>, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>F</mml:mi><mml:mi>L</mml:mi></mml:msub></mml:math>, in the DGLAP improved saturation model. Physical Review D, 2010, 81, .	4.7	14
21	Diffractive production of electroweak vector bosons at the LHC. Physical Review D, 2010, 81, .	4.7	8
22	Drell-Yan process at forward rapidity at the LHC. Physical Review D, 2010, 82, .	4.7	14
23	Dipole model analysis of the newest diffractive deep inelastic scattering data. Physical Review D, 2009, 79, .	4.7	10
24	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msub><mml:mi>F</mml:mi><mml:mi>L</mml:mi></mml:msub></mml:math>proton structure function from the unified DGLAP/BFKL approach. Physical Review D, 2009, 80, .	4.7	24
25	Diffractive parton distributions from the analysis with higher twist. , 2009, , .		1
26	Generalized parton distributions of the pion in chiral quark models and their QCD evolution. Physical Review D, 2008, 77, .	4.7	81
27	Diffractive parton distributions from the analysis with higher twist. Physical Review D, 2007, 76, .	4.7	10
28	Heavy flavor production in DGLAP improved saturation model. Physical Review D, 2006, 74, .	4.7	20
29	Total, elastic and diffractive cross sections at LHC in the Miettinenâ€“Pumplin model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 613, 154-161.	4.1	10
30	Theoretical review of diffractive phenomena. Nuclear Physics A, 2005, 755, 133-142.	1.5	3
31	High energy asymptotics of scattering processes in QCD. Physical Review D, 2005, 72, .	4.7	42
32	Testing saturation with diffractive jet production in deep inelastic scattering. Physical Review D, 2005, 71, .	4.7	20
33	On solutions of the Balitskyâ€“Kovchegov equation with impact parameter. Nuclear Physics B, 2003, 668, 345-363.	2.5	132
34	Diffusion into infrared and unitarization of the BalitskiÄ-Fadin-Kuraev-Lipatov Pomeron. Physical Review D, 2002, 65, .	4.7	126
35	Modification of the saturation model: Dokshitzer-Gribov-Lipatov-Altarelli-Parisi evolution. Physical Review D, 2002, 66, .	4.7	304
36	Saturation and geometric scaling in DIS at small x. Journal of Physics G: Nuclear and Particle Physics, 2002, 28, 1057-1067.	3.6	13

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37	Geometric Scaling for the TotalÎ³*pCross Section in the LowxRegion. Physical Review Letters, 2001, 86, 596-599.	7.8	437
38	Diffractive parton distributions from the saturation model. European Physical Journal C, 2001, 20, 313-321.	3.9	99
39	An estimate of higher twist at small $x_{mathrmB}$ and low Q^2 based upon a Saturation Model. European Physical Journal C, 2000, 17, 121-128.	3.9	38
40	Saturation in diffractive deep inelastic scattering. Physical Review D, 1999, 60, .	4.7	576
41	Skewed distributions fixed by diagonal partons at small x, Î¾, and at HERA. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 362-364.	0.4	0
42	Initial conditions and evolution of off-diagonal distributions. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 365-367.	0.4	1
43	Diagonal input for the evolution of off-diagonal partons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 456, 232-239.	4.1	19
44	Off-diagonal distributions fixed by diagonal partons at smallxandÎ¾. Physical Review D, 1999, 60, .	4.7	176
45	QCD coherence in deep inelastic scattering at small x at HERA. Nuclear Physics B, 1998, 527, 289-307.	2.5	4
46	Diffractive dijet photoproduction as a probe of the off-diagonal gluon distribution. Physical Review D, 1998, 58, .	4.7	15
47	Off-diagonal parton distributions and their evolution. Physical Review D, 1998, 59, .	4.7	60
48	Saturation effects in deep inelastic scattering at lowQ2and its implications on diffraction. Physical Review D, 1998, 59, .	4.7	894
49	Subleading Reggeons in deep inelastic diffractive scattering at DESY HERA. Physical Review D, 1997, 55, 3209-3211.	4.7	9
50	Reggeon and pion contributions in semiexclusive diffractive processes at DESY HERA. Physical Review D, 1997, 56, 3955-3960.	4.7	18
51	Search for excited fermions with the H1 detector. Nuclear Physics B, 1997, 483, 44-64.	2.5	12
52	Measurement of charged particle transverse momentum spectra in deep inelastic scattering. Nuclear Physics B, 1997, 485, 3-22.	2.5	79
53	A measurement of the proton structure function F2(x, Q2) at low x and low Q2 at HERA. Nuclear Physics B, 1997, 497, 3-28.	2.5	95
54	Evolution of ep fragmentation and multiplicity distributions in the Breit frame. Nuclear Physics B, 1997, 504, 3-23.	2.5	24

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55	Scale influence on the energy dependence of photon-proton cross sections. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 392, 234-242.	4.1	3
56	Determination of the longitudinal proton structure function FL(x,Q2) at low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 393, 452-464.	4.1	76
57	Elastic electroproduction of Ï± and mesons at large Q2 at HERA. Nuclear Physics B, 1996, 468, 3-33.	2.5	77
58	A measurement and QCD analysis of the proton structure function F2 (x, Q2) at HERA. Nuclear Physics B, 1996, 470, 3-38.	2.5	184
59	Elastic and inelastic photoproduction of J/Ï^ mesons at HERA. Nuclear Physics B, 1996, 472, 3-31.	2.5	89
60	Photoproduction of mesons in electron-proton collisions at HERA. Nuclear Physics B, 1996, 472, 32-51.	2.5	52
61	Strangeness production in deep-inelastic positron-proton scattering at HERA. Nuclear Physics B, 1996, 480, 3-34.	2.5	27
62	Charged particle multiplicities in deep inelastic scattering at HERA. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1996, 72, 573-592.	1.5	37
63	InclusiveD 0 andD*Â± production in neutral current deep inelasticep scattering at HERA. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1996, 72, 593-605.	1.5	93
64	A search for leptoquarks at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 369, 173-185.	4.1	43
65	Measurement of the Q2 dependence of the charged and neutral current cross sections in eÂ±p scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 379, 319-329.	4.1	25
66	A search for selectrons and squarks at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 380, 461-470.	4.1	11
67	QCD: quantum chromodynamic diffraction. Journal of Physics G: Nuclear and Particle Physics, 1996, 22, 921-927.	3.6	3
68	QCD analysis of deep inelastic diffractive scattering at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 353, 329-334.	4.1	32
69	QCD predictions for the transverse energy flow in deep-inelastic scattering in the DESY HERA smallxregime. Physical Review D, 1994, 50, 217-225.	4.7	22
70	Implications of scaling violations of F2 at HERA for perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 325, 212-218.	4.1	24
71	Recombination effects in the structure function evolution at low x. Can they be observed at HERA?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 337, 367-372.	4.1	9
72	Transverse energy flow at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 335, 220-225.	4.1	19

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73	Gluons from logarithmic slopes of F2 in the NLL approximation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 495-498.	4.1	2