

# Krzysztof Cichy

## List of Publications by Year in descending order

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64  
papers

2,080  
citations

257450

24  
h-index

233421

45  
g-index

64  
all docs

64  
docs citations

64  
times ranked

818  
citing authors

#	ARTICLE	IF	CITATIONS
1	Overview of lattice calculations of the $x$ -dependence of PDFs, GPDs and TMDs. EPJ Web of Conferences, 2022, 258, 01005.	0.3	8
2	Transversity GPDs of the proton from lattice QCD. Physical Review D, 2022, 105, .	4.7	15
3	Lattice QCD Study of Transverse-Momentum Dependent Soft Function. Physical Review Letters, 2022, 128, 062002.	7.8	30
4	Zero modes and matching for the twist-3 PDFs. SciPost Physics Proceedings, 2022, , .	0.4	1
5	Twist-3 partonic distributions from lattice QCD. SciPost Physics Proceedings, 2022, , .	0.4	3
6	Flavor nonsinglet parton distribution functions from lattice QCD at physical quark masses via the pseudodistribution approach. Physical Review D, 2021, 103, .	4.7	35
7	Lattice continuum-limit study of nucleon parton quasidistribution functions. Physical Review D, 2021, 103, .	4.7	32
8	Tensors cast their nets for quarks. Nature Physics, 2021, 17, 762-763.	16.7	1
9	On systematic effects in the numerical solutions of the JIMWLK equation. European Physical Journal C, 2021, 81, 1.	3.9	4
10	Parton distribution functions beyond leading twist from lattice QCD: The $h_L$ case. Physical Review D, 2021, 104, .	4.7	19
11	Running Coupling Constant from Position-Space Current-Current Correlation Functions in Three-Flavor Lattice QCD. Physical Review Letters, 2020, 125, 242002.	7.8	9
12	Insights on proton structure from lattice QCD: The twist-3 parton distribution function $g_T$ . Physical Review D, 2020, 102, .	4.7	32
13	Parton distribution functions of $\hat{I}$ on the lattice. Physical Review D, 2020, 102, .	4.7	34
14	One-loop matching for the twist-3 parton distribution $g_T$ . Physical Review D, 2020, 102, .	4.7	30
15	Review on novel methods for lattice gauge theories. Reports on Progress in Physics, 2020, 83, 024401.	20.1	100
16	The role of zero-mode contributions in the matching for the twist-3 PDFs $e_x$ and $h_L$ . Physical Review Letters, 2020, 125, 262001.	4.7	29
17	Unpolarized and Helicity Generalized Parton Distributions of the Proton within Lattice QCD. Physical Review Letters, 2020, 125, 262001.	7.8	63
18	Comparison of topological charge definitions in Lattice QCD. European Physical Journal C, 2020, 80, 1.	3.9	24

#	ARTICLE	IF	CITATIONS
19	A Guide to Light-Cone PDFs from Lattice QCD: An Overview of Approaches, Techniques, and Results. Advances in High Energy Physics, 2019, 2019, 1-68.	1.1	127
20	Systematic uncertainties in parton distribution functions from lattice QCD simulations at the physical point. Physical Review D, 2019, 99, .	4.7	67
21	Wilson chiral perturbation theory for dynamical twisted mass fermions vs lattice data – A case study. Computer Physics Communications, 2019, 237, 143-153.	7.5	1
22	Phase structure of the $(1+1)$ -dimensional Thirring model from matrix product states. Physical Review D, 2019, 100, .	4.7	10
23	Parton distributions from lattice data: the nonsinglet case. Journal of High Energy Physics, 2019, 2019, 1.	4.7	42
24	Progress in computing parton distribution functions from the quasi-PDF approach. EPJ Web of Conferences, 2018, 175, 06021.	0.3	2
25	Tensor Network study of the $(1+1)$ -dimensional Thirring Model. EPJ Web of Conferences, 2018, 175, 11017.	0.3	5
26	Computation of parton distributions from the quasi-PDF approach at the physical point. EPJ Web of Conferences, 2018, 175, 14008.	0.3	16
27	Topological Susceptibility under Gradient Flow. EPJ Web of Conferences, 2018, 175, 11024.	0.3	2
28	Transversity parton distribution functions from lattice QCD. Physical Review D, 2018, 98, .	4.7	91
29	Light-Cone Parton Distribution Functions from Lattice QCD. Physical Review Letters, 2018, 121, 112001.	7.8	119
30	Topological susceptibility from twisted mass fermions using spectral projectors and the gradient flow. Physical Review D, 2018, 97, .	4.7	20
31	Towards overcoming the Monte Carlo sign problem with tensor networks. EPJ Web of Conferences, 2017, 137, 04001.	0.3	21
32	Density Induced Phase Transitions in the Schwinger Model: A Study with Matrix Product States. Physical Review Letters, 2017, 118, 071601.	7.8	67
33	A complete non-perturbative renormalization prescription for quasi-PDFs. Nuclear Physics B, 2017, 923, 394-415.	2.5	137
34	Efficient Basis Formulation for $(1+1)$ -Dimensional $SU(2)$ Lattice Gauge Theory: Spectral Calculations with Matrix Product States. Physical Review X, 2017, 7, .	8.9	56
35	Updated lattice results for parton distributions. Physical Review D, 2017, 96, .	4.7	100
36	Investigation of $b\bar{b}$ -four-quark systems using lattice QCD. Journal of Physics: Conference Series, 2016, 742, 012006.	0.4	11



#	ARTICLE	IF	CITATIONS
55	Chiral condensate from the twisted mass Dirac operator spectrum. Journal of High Energy Physics, 2013, 2013, 1.	4.7	24
56	The mass spectrum of the Schwinger model with matrix product states. Journal of High Energy Physics, 2013, 2013, 1.	4.7	138
57	Overlap valence quarks on a twisted mass sea: A case study for mixed action lattice QCD. Nuclear Physics B, 2013, 869, 131-163.	2.5	13
58	Lattice Hamiltonian approach to the massless Schwinger model: Precise extraction of the mass gap. Computer Physics Communications, 2013, 184, 1666-1672.	7.5	12
59	Non-perturbative renormalization in coordinate space for maximally twisted mass fermions with tree-level Symanzik improved gauge action. Nuclear Physics B, 2012, 865, 268-290.	2.5	23
60	Topological susceptibility and chiral condensate with $N_f=2+1+1$ dynamical flavors of maximally twisted mass fermions.., 2012, , .		3
61	flavours of twisted mass quarks: Cut-off effects at tree-level of perturbation theory. Nuclear Physics B, 2011, 847, 17-37.	2.5	0
62	Continuum limit of overlap valence quarks on a twisted mass sea. Nuclear Physics B, 2011, 847, 179-196.	2.5	6
63	Continuum-Limit Scaling of Chirally Symmetric Fermions as Valence Quarks. , 2010, , 451-462.		0
64	Twisted mass, overlap and Creutz fermions: Cut-off effects at tree-level of perturbation theory. Nuclear Physics B, 2008, 800, 94-108.	2.5	24