

Andreas Metz

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,373
citations

566801

15
h-index

752256

20
g-index

31
all docs

31
docs citations

31
times ranked

632
citing authors

#	ARTICLE	IF	CITATIONS
1	Semi-inclusive deep inelastic scattering at small transverse momentum. Journal of High Energy Physics, 2007, 2007, 093-093.	1.6	455
2	Universality of Soft and Collinear Factors in Hard-Scattering Factorization. Physical Review Letters, 2004, 93, 252001.	2.9	290
3	Generalized parton correlation functions for a spin-1/2 hadron. Journal of High Energy Physics, 2009, 2009, 056-056.	1.6	172
4	Towards an explanation of transverse single-spin asymmetries in proton-proton collisions: The role of fragmentation in collinear factorization. Physical Review D, 2014, 89, .	1.6	103
5	Reviewing model calculations of the Collins fragmentation function. Physical Review D, 2005, 71, .	1.6	56
6	Operator constraints for twist-3 functions and Lorentz invariance properties of twist-3 observables. Physical Review D, 2016, 93, .	1.6	53
7	Exploring the structure of the proton through polarization observables in p^\dagger jet X. Physical Review D, 2011, 84, .	1.6	40
8	Insights on proton structure from lattice QCD: The twist-3 parton distribution function $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}, \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}^\dagger \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review D, 2020, 102, .	1.6	32
9	Energy-momentum tensor in QCD: nucleon mass decomposition and mechanical equilibrium. Journal of High Energy Physics, 2021, 2021, 1.	1.6	30
10	Exclusive production of quarkonia as a probe of the generalized parton distribution for gluons. Physical Review D, 2012, 85, .	1.6	25
11	Left-right spin asymmetry in $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}, \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}^\dagger \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ Physical Review D, 2014, 90, .	1.6	22
12	Transverse spin asymmetries for W-production in proton-proton collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 700, 11-16.	1.5	21
13	Parton distribution functions beyond leading twist from lattice QCD: The $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}, \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}^\dagger \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ case. Physical Review D, 2021, 104, .	1.6	19
14	Twist-3 fragmentation contribution to polarized hyperon production in unpolarized hadronic collisions. Physical Review D, 2017, 95, .	1.6	18
15	Twist-3 generalized parton distributions in deeply-virtual Compton scattering. Physical Review D, 2018, 98, .	1.6	16
16	First global QCD analysis of the TMD $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}, \langle \text{mml:mo} \rangle \langle \text{mml:mrow} \langle \text{mml:mi} \rangle N \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \hat{a}^\dagger \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle h \langle \text{mml:mi} \rangle X \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle .$ from semi-inclusive DIS data. Physical Review D, 2022, 105, .	1.6	8
17	Transverse Single-Spin Asymmetries: Challenges and Recent Progress. Few-Body Systems, 2015, 56, 331-336.	0.7	5
18	NONTRIVIAL RELATIONS BETWEEN GPDs AND TMDs. Modern Physics Letters A, 2009, 24, 2973-2983.	0.5	3

#	ARTICLE	IF	CITATIONS
19	Twist-3 Gluon Fragmentation Contribution to the Polarized Hyperon Production in Unpolarized Proton-Proton Collision. , 2019, , .		2
20	SINGLE SPIN ASYMMETRIES IN INCLUSIVE DIS AND MULTI-PARTON CORRELATIONS IN THE NUCLEON. International Journal of Modern Physics Conference Series, 2012, 20, 137-144.	0.7	1
21	Generalized TMDs. International Journal of Modern Physics Conference Series, 2015, 37, 1560037.	0.7	1
22	Exploring Hadron Structure with GPDs at EIC: New Topics in Theory, Experiment, Interpretation. , 2020, , .		1
23	Exploring TMDs through Drell-Yan processes. , 2009, , .		0
24	Properties and Applications of GTMDs. , 2009, , .		0
25	Interference fragmentation functions for large invariant mass. , 2012, , .		0
26	WHAT CAUSES TRANSVERSE SINGLE-SPIN ASYMMETRIES IN LEPTON-NUCLEON AND IN NUCLEON-NUCLEON SCATTERING?. International Journal of Modern Physics Conference Series, 2014, 25, 1460011.	0.7	0
27	Transverse Single-Spin Asymmetries in Proton-Proton Collisions Within Collinear Factorization. International Journal of Modern Physics Conference Series, 2015, 37, 1560033.	0.7	0
28	New Collinear Twist-3 Analysis of Transverse SSA: Toward a Solution for the Sign-Mismatch Problem. Few-Body Systems, 2015, 56, 343-348.	0.7	0
29	Model Calculations of Euclidean Correlators. , 2020, , .		0
30	Matching Collinear and Transverse Momentum Dependent Observables in the CSS Formalism. , 2020, , .		0
31	Generalized TMDs and Wigner Functions. , 2020, , .		0