

Miguel G Echevarria

List of Publications by Year in descending order

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Version: 2024-02-01

55
papers

1,844
citations

279798

23
h-index

315739

38
g-index

57
all docs

57
docs citations

57
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Factorization theorem for Drell-Yan at low q_T and transverse-momentum distributions on-the-light-cone. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	4.7	256
2	Transverse Momentum Dependent (TMD) Parton Distribution Functions: Status and Prospects. <i>Acta Physica Polonica B</i> , 2015, 46, 2501.	0.8	192
3	QCD evolution of the Sivers asymmetry. <i>Physical Review D</i> , 2014, 89, .	4.7	137
4	Soft and collinear factorization and transverse momentum dependent parton distribution functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013, 726, 795-801.	4.1	136
5	Unpolarized transverse momentum dependent parton distribution and fragmentation functions at next-to-next-to-leading order. <i>Journal of High Energy Physics</i> , 2016, 2016, 1.	4.7	129
6	Model independent evolution of transverse momentum dependent distribution functions (TMDs) at NNLL. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	127
7	Unified treatment of the QCD evolution of all (un-)polarized transverse momentum dependent functions: Collins function as a study case. <i>Physical Review D</i> , 2014, 90, .	4.7	78
8	QCD evolution of (un)polarized gluon TMDPDFs and the Higgs q_T -distribution. <i>Journal of High Energy Physics</i> , 2015, 2015, 1.	4.7	77
9	Universal transverse momentum dependent soft function at NNLO. <i>Physical Review D</i> , 2016, 93, .	4.7	75
10	Non-perturbative QCD effects in q_T spectra of Drell-Yan and Z-boson production. <i>Journal of High Energy Physics</i> , 2014, 2014, 1.	4.7	54
11	On the physics potential to study the gluon content of proton and deuteron at NICA SPD. <i>Progress in Particle and Nuclear Physics</i> , 2021, 119, 103858.	14.4	50
12	Single Spin Asymmetries from a Single Wilson Loop. <i>Physical Review Letters</i> , 2016, 116, 122001.	7.8	45
13	Prospects for quarkonium studies at the high-luminosity LHC. <i>Progress in Particle and Nuclear Physics</i> , 2022, 122, 103906.	14.4	41
14	Soft-collinear effective theory, light-cone gauge, and the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:mi} \rangle T \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ -Wilson lines. <i>Physical Review D</i> , 2011, 84, .	4.7	37
15	Proper TMD factorization for quarkonia production: $pp \rightarrow \Upsilon \gamma$, b as a study case. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	37
16	Proper definition and evolution of generalized transverse momentum dependent distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016, 759, 336-341.	4.1	33
17	Transverse momentum dependent fragmentation function at next-to-next-to-leading order. <i>Physical Review D</i> , 2016, 93, .	4.7	31
18	Studies of gluon TMDs and their evolution using quarkonium-pair production at the LHC. <i>European Physical Journal C</i> , 2020, 80, 1.	3.9	30

#	ARTICLE	IF	CITATIONS
19	Global analysis of the Sivers functions at NLO+NNLL in QCD. Journal of High Energy Physics, 2021, 2021, 1.	4.7	30
20	A fixed-target programme at the LHC: Physics case and projected performances for heavy-ion, hadron, spin and astroparticle studies. Physics Reports, 2021, 911, 1-83.	25.6	28
21	Feasibility Studies for Single Transverse-Spin Asymmetry Measurements at a Fixed-Target Experiment Using the LHC Proton and Lead Beams (AFTER@LHC). Few-Body Systems, 2017, 58, 1.	1.5	27
22	Effects of TMD evolution and partonic flavor on $e + e \hat{\rightarrow}$ annihilation into hadrons. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
23	Matching factorization theorems with an inverse-error weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 161-168.	4.1	23
24	Azimuthal asymmetries in unpolarized SIDIS and Drell-Yan processes: A case study towards TMD factorization at subleading twist. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134850.	4.1	20
25	TMD factorization for dijet and heavy-meson pair in DIS. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
26	Polarization effects in double open-charm production at LHCb. Journal of High Energy Physics, 2015, 2015, 1.	4.7	16
27	Quantum simulation of light-front parton correlators. Physical Review D, 2021, 104, .	4.7	15
28	Transverse momentum dependent distributions in dijet and heavy hadron pair production at EIC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	11
29	Quarkonium TMD fragmentation functions in NRQCD. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
30	DEFINITION AND EVOLUTION OF TRANSVERSE MOMENTUM DISTRIBUTIONS. International Journal of Modern Physics Conference Series, 2012, 20, 92-108.	0.7	7
31	QCD—QED evolution of TMDs. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 280-287.	4.1	7
32	ON RAPIDITY DIVERGENCES IN THE SOFT AND COLLINEAR LIMITS OF QCD. International Journal of Modern Physics Conference Series, 2014, 25, 1460005.	0.7	6
33	Physics perspectives with AFTER@LHC (A Fixed Target Experiment at LHC). EPJ Web of Conferences, 2018, 171, 10001.	0.3	4
34	Sivers Asymmetry with QCD Evolution. International Journal of Modern Physics Conference Series, 2015, 37, 1560025.	0.7	2
35	A fixed-target programme at the LHC for heavy-ion, hadron, spin and astroparticle physics: AFTER@LHC. Nuclear Physics A, 2019, 982, 971-974.	1.5	2
36	Single-Transverse-Spin-Asymmetry studies with a fixed-target experiment using the LHC beams (AFTER@LHC). , 2016, , .		2

#	ARTICLE	IF	CITATIONS
37	Physics case for a polarised target for AFTER@LHC. , 2016, , .		2
38	TMDs: Evolution, modeling, precision. EPJ Web of Conferences, 2015, 85, 02003.	0.3	1
39	Phenomenology from SIDIS and $\langle i \rangle \langle i \rangle^{\wedge 2}$ multiplicities: multiplicities and phenomenology - part I. EPJ Web of Conferences, 2015, 85, 02016.	0.3	1
40	Probing the high-x content of the nuclei in the fixed-target mode at the LHC. , 2019, , .		1
41	High-luminosity fixed-target experiments at the LHC. , 2019, , .		1
42	Proper definition of transverse momentum dependent distributions. , 2013, , .		0
43	Predictions for Transverse-Momentum Dependence in Electron-Positron Annihilation. International Journal of Modern Physics Conference Series, 2015, 37, 1560023.	0.7	0
44	Phenomenology of TMDs Using SCET. International Journal of Modern Physics Conference Series, 2015, 37, 1560026.	0.7	0
45	Scale evolution of gluon TMDPDFs. EPJ Web of Conferences, 2015, 85, 02005.	0.3	0
46	T-Odd Gluon TMDs Inside a Transversely Polarized Hadron. Few-Body Systems, 2016, 57, 645-649.	1.5	0
47	A fixed-target programme at the LHC (AFTER@LHC). Journal of Physics: Conference Series, 2017, 779, 012083.	0.4	0
48	Towards the phenomenology of TMD's at NNLL. , 2013, , .		0
49	Phenomenology of Gluon TMDs at NNLL. , 2016, , .		0
50	Title is missing!. , 2017, , .		0
51	Definition and evolution of GTMDs. , 2017, , .		0
52	Quarkonium production to explore hadron 3D structure. , 2018, , .		0
53	Ultra-peripheral-collision studies in the fixed-target mode with the proton and lead LHC beams. , 2019, , .		0
54	Spin Physics with a fixed-target experiment at the LHC. , 2019, , .		0

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55	Illuminating the nucleon spin. Physical Review D, 2022, 105, .	4.7	0