

Ignazio Scimemi

List of Publications by Year in descending order

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74
papers

2,919
citations

159585

30
h-index

161849

54
g-index

75
all docs

75
docs citations

75
times ranked

3046
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	$\hat{\Gamma}^{\text{MK}}$ and ϵ^{K} in SUSY at the next-to-leading order. <i>Journal of High Energy Physics</i> , 1998, 1998, 008-008.	4.7	204
3	Next-to-leading order QCD corrections to $\hat{\Gamma}^{\text{F}} = 2$ effective hamiltonians. <i>Nuclear Physics B</i> , 1998, 523, 501-525.	2.5	192
4	Transverse Momentum Dependent (TMD) Parton Distribution Functions: Status and Prospects. <i>Acta Physica Polonica B</i> , 2015, 46, 2501.	0.8	192
5	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
6	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
7	Model independent evolution of transverse momentum dependent distribution functions (TMDs) at NNLL. <i>European Physical Journal C</i> , 2013, 73, 1.	3.9	127
8	Analysis of vector boson production within TMD factorization. <i>European Physical Journal C</i> , 2018, 78, 1.	3.9	107
9	Non-perturbative structure of semi-inclusive deep-inelastic and Drell-Yan scattering at small transverse momentum. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	105
10	decays in supersymmetry. <i>Nuclear Physics B</i> , 2000, 568, 120-144.	2.5	95
11	Infrared Renormalization-Group Flow for Heavy-Quark Masses. <i>Physical Review Letters</i> , 2008, 101, 151602.	7.8	84
12	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
13	Extraction of unpolarized quark transverse momentum dependent parton distributions from Drell-Yan/Z-boson production. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	78
14	The Standard Model prediction for $\hat{\Gamma}^{\mu\epsilon^2}/\hat{\Gamma}^{\mu}$. <i>Nuclear Physics B</i> , 2001, 617, 441-474.	2.5	77
15	Universal transverse momentum dependent soft function at NNLO. <i>Physical Review D</i> , 2016, 93, .	4.7	75
16	Electromagnetic corrections in hadronic processes. <i>European Physical Journal C</i> , 2003, 32, 97-114.	3.9	64
17	Singular and regular gauges in soft-collinear effective theory: The introduction of the new Wilson line T . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 695, 463-468.	4.1	55
18	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

#	ARTICLE	IF	CITATIONS
19	Transverse-Momentum-Dependent Distributions with Jets. <i>Physical Review Letters</i> , 2018, 121, 162001.	7.8	52
20	Systematic analysis of double-scale evolution. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	47
21	Transverse momentum dependent distributions in $e+e^{\rightarrow}$ and semi-inclusive deep-inelastic scattering using jets. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	42
22	Jet axes and universal transverse-momentum-dependent fragmentation. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	38
23	Linearly polarized gluons at next-to-next-to leading order and the Higgs transverse momentum distribution. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	38
24	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
25	Probing transverse-momentum distributions with groomed jets. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	37
26	Collinear matching for Siverson function at next-to-leading order. <i>Journal of High Energy Physics</i> , 2019, 2019, 1.	4.7	35
27	Power corrections and renormalons in Transverse Momentum Distributions. <i>Journal of High Energy Physics</i> , 2017, 2017, 1.	4.7	33
28	The MSR mass and the $\mathcal{O}(\Lambda_{\text{QCD}})$ renormalon sum rule. <i>Journal of High Energy Physics</i> , 2018, 2018, 1.	4.7	32
29	Transverse momentum dependent fragmentation function at next-to-next-to leading order. <i>Physical Review D</i> , 2016, 93, .	4.7	31
30	$\hat{\sigma}_3$ final state interactions at NLO in CHPT and Cabibbo's proposal to measure α_0 - α_2 . <i>European Physical Journal C</i> , 2007, 50, 405-422.	3.9	30
31	Two-loop jet function and jet mass for top quarks. <i>Physical Review D</i> , 2008, 77, .	4.7	29
32	Twist-2 matching of transverse momentum dependent distributions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 769, 84-89.	4.1	29
33	Electromagnetic decays of heavy baryons. <i>Physical Review D</i> , 2000, 61, .	4.7	26
34	The supersymmetric-flavor problem for heavy first-two-generation scalars at next-to-leading order. <i>European Physical Journal C</i> , 1999, 10, 347-356.	3.9	24
35	$\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle R \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ evolution: Improving perturbative QCD. <i>Physical Review D</i> , 2010, 82, .	4.7	24
36	Non-perturbative contributions to vector-boson transverse momentum spectra in hadronic collisions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 806, 135478.	4.1	24

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37	Charged Kaon CP violating asymmetries at NLO in CHPT. Journal of High Energy Physics, 2003, 2003, 042-042.	4.7	22
38	Transverse momentum dependent transversely polarized distributions at next-to-next-to-leading-order. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22
39	Matching of transverse momentum dependent distributions at twist-3. European Physical Journal C, 2018, 78, 1.	3.9	20
40	Transverse momentum dependent operator expansion at next-to-leading power. Journal of High Energy Physics, 2022, 2022, 1.	4.7	20
41	TMD factorization for dijet and heavy-meson pair in DIS. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
42	Magnetic moments of heavy baryons. Physical Review D, 2000, 61, .	4.7	16
43	CP violation in rare semileptonic B decays and supersymmetry. Nuclear Physics B, 2000, 574, 43-69.	2.5	12
44	Transverse momentum dependent distributions in dijet and heavy hadron pair production at EIC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	11
45	A Short Review on Recent Developments in TMD Factorization and Implementation. Advances in High Energy Physics, 2019, 2019, 1-17.	1.1	10
46	Quarkonium TMD fragmentation functions in NRQCD. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
47	DEFINITION AND EVOLUTION OF TRANSVERSE MOMENTUM DISTRIBUTIONS. International Journal of Modern Physics Conference Series, 2012, 20, 92-108.	0.7	7
48	ON RAPIDITY DIVERGENCES IN THE SOFT AND COLLINEAR LIMITS OF QCD. International Journal of Modern Physics Conference Series, 2014, 25, 1460005.	0.7	6
49	$\hat{\mu}^2/\hat{\mu}$ in the standard model. Nuclear Physics, Section B, Proceedings Supplements, 2001, 96, 342-345.	0.4	3
50	Determination of the rapidity evolution kernel from Drell-Yan data at low transverse momenta. SciPost Physics Proceedings, 2022, , .	0.4	3
51	THE ROLE OF FINAL STATE INTERACTIONS IN $\hat{\mu}^2/\hat{\mu}$. International Journal of Modern Physics A, 2001, 16, 672-674.5		2
52	Charged Kaon CP Violating Asymmetries vs. Nuclear Physics, Section B, Proceedings Supplements, 2007, 164, 79-82.	0.4	2
53	Round table: Nucleon tomography. What can we do better today than Rutherford 100 years ago?. EPJ Web of Conferences, 2017, 137, 01003.	0.3	2
54	W-boson production in TMD factorization. European Physical Journal C, 2021, 81, 418.	3.9	2

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55	The supersymmetric-flavor problem for heavy first-two-generation scalars at next-to-leading order. European Physical Journal C, 1999, 10, 347.	3.9	2
56	Renormalons in the effective potential of the vectorial $(\hat{1} _2)_2$ model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 403-416.	4.1	1
57	A model independent analysis of $B \rightarrow X s \bar{s}, B \rightarrow X c \bar{c}$ decays in supersymmetry. Nuclear Physics, Section B, Proceedings Supplements, 2000, 81, 219-223.	0.4	1
58	TMDs: Evolution, modeling, precision. EPJ Web of Conferences, 2015, 85, 02003.	0.3	1
59	Transverse momentum dependent fragmentation function at next-to-leading order. , 0, .		1
60	A test of HHCPT using magnetic moments of heavy baryons. , 1999, , .		1
61	NLO corrections to $\hat{\Gamma}^F = 2$ effective hamiltonians and SUSY contribution to FCNC. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 243-246.	0.4	0
62	Heavy Baryons and electromagnetic decays. Nuclear Physics, Section B, Proceedings Supplements, 2001, 93, 46-49.	0.4	0
63	Hadronic processes and electromagnetic corrections. Nuclear Physics, Section B, Proceedings Supplements, 2004, 131, 149-154.	0.4	0
64	Measuring the π pion scattering lengths through decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 174, 105-108.	0.4	0
65	R-evolution: Improving perturbative QCD. , 2009, , .		0
66	The T-Wilson Line. , 2011, , .		0
67	Proper definition of transverse momentum dependent distributions. , 2013, , .		0
68	Phenomenology of TMDs Using SCET. International Journal of Modern Physics Conference Series, 2015, 37, 1560026.	0.7	0
69	CHARGED KAON $K \rightarrow \pi \ell \ell'$ CP VIOLATING ASYMMETRIES. , 2005, , .		0
70	The top quark jet-function at two loops. , 2008, , .		0
71	The R-evolution of QCD matrix elements. , 2009, , .		0
72	R-evolving QCD matrix elements. , 2010, , .		0

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73	Towards the phenomenology of TMD's at NNLL. , 2013, , .		0
74	Twist-2 Transverse Momentum Distributions at Next-to-next-to-leading Order in QCD. Acta Physica Polonica B, Proceedings Supplement, 2019, 12, 849.	0.1	0