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	Transverse momentum dependent operator expansion at next-to-leading power. Journal of High Energy Physics, 2022, 2022, 1.	4.7	20
2	Transverse momentum dependent distributions in dijet and heavy hadron pair production at EIC. Journal of High Energy Physics, 2022, 2022, 1.	4.7	11
3	Determination of the rapidity evolution kernel from Drell-Yan data at low transverse momenta. SciPost Physics Proceedings, 2022, , .	0.4	3
4	TMD factorization for dijet and heavy-meson pair in DIS. Journal of High Energy Physics, 2021, 2021, 1.	4.7	17
5	W-boson production in TMD factorization. European Physical Journal C, 2021, 81, 418.	3.9	2
6	Non-perturbative structure of semi-inclusive deep-inelastic and Drell-Yan scattering at small transverse momentum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	105
7	Non-perturbative contributions to vector-boson transverse momentum spectra in hadronic collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 806, 135478.	4.1	24
8	Quarkonium TMD fragmentation functions in NRQCD. Journal of High Energy Physics, 2020, 2020, 1.	4.7	10
9	A Short Review on Recent Developments in TMD Factorization and Implementation. Advances in High Energy Physics, 2019, 2019, 1-17.	1.1	10
10	Probing transverse-momentum distributions with groomed jets. Journal of High Energy Physics, 2019, 2019, 1.	4.7	37
11	Collinear matching for Sivers function at next-to-leading order. Journal of High Energy Physics, 2019, 2019, 1.	4.7	35
12	Extraction of unpolarized quark transverse momentum dependent parton distributions from Drell-Yan/Z-boson production. Journal of High Energy Physics, 2019, 2019, 1.	4.7	78
13	Linearly polarized gluons at next-to-next-to leading order and the Higgs transverse momentum distribution. Journal of High Energy Physics, 2019, 2019, 1.	4.7	38
14	Transverse momentum dependent distributions in e+eâ^' and semi-inclusive deep-inelastic scattering using jets. Journal of High Energy Physics, 2019, 2019, 1.	4.7	42
15	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
16	The MSR mass and the $$ mathcal{O}left({Lambda}_{mathrm{QCD}}ight) $$ renormalon sum rule. Journal of High Energy Physics, 2018, 2018, 1.	4.7	32
17	Systematic analysis of double-scale evolution. Journal of High Energy Physics, 2018, 2018, 1.	4.7	47
18	Transverse momentum dependent transversely polarized distributions at next-to-next-to-leading-order. Journal of High Energy Physics, 2018, 2018, 1.	4.7	22

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19	Matching of transverse momentum dependent distributions at twist-3. European Physical Journal C, 2018, 78, 1.	3.9	20
20	Transverse-Momentum-Dependent Distributions with Jets. Physical Review Letters, 2018, 121, 162001.	7.8	52
21	Analysis of vector boson production within TMD factorization. European Physical Journal C, 2018, 78, 1.	3.9	107
22	Twist-2 matching of transverse momentum dependent distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 769, 84-89.	4.1	29
23	Jet axes and universal transverse-momentum-dependent fragmentation. Journal of High Energy Physics, 2017, 2017, 1.	4.7	38
24	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
25	Power corrections and renormalons in Transverse Momentum Distributions. Journal of High Energy Physics, 2017, 2017, 1.	4.7	33
26	Unpolarized transverse momentum dependent parton distribution and fragmentation functions at next-to-next-to-leading order. Journal of High Energy Physics, 2016, 2016, 1.	4.7	129
27	Transverse momentum dependent fragmentation function at next-toâ€“next-toâ€“leading order. Physical Review D, 2016, 93, .	4.7	31
28	Universal transverse momentum dependent soft function at NNLO. Physical Review D, 2016, 93, .	4.7	75
29	Phenomenology of TMDs Using SCET. International Journal of Modern Physics Conference Series, 2015, 37, 1560026.	0.7	0
30	TMDs: Evolution, modeling, precision. EPJ Web of Conferences, 2015, 85, 02003.	0.3	1
31	Transverse Momentum Dependent (TMD) Parton Distribution Functions: Status and Prospects. Acta Physica Polonica B, 2015, 46, 2501.	0.8	192
32	Unified treatment of the QCD evolution of all (un-)polarized transverse momentum dependent functions: Collins function as a study case. Physical Review D, 2014, 90, .	4.7	78
33	Non-perturbative QCD effects in q T spectra of Drell-Yan and Z-boson production. Journal of High Energy Physics, 2014, 2014, 1.	4.7	54
34	ON RAPIDITY DIVERGENCES IN THE SOFT AND COLLINEAR LIMITS OF QCD. International Journal of Modern Physics Conference Series, 2014, 25, 1460005.	0.7	6
35	Model independent evolution of transverse momentum dependent distribution functions (TMDs) at NNLL. European Physical Journal C, 2013, 73, 1.	3.9	127
36	Soft and collinear factorization and transverse momentum dependent parton distribution functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2013, 726, 795-801.	4.1	136

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37	Proper definition of transverse momentum dependent distributions. , 2013, , .		0
38	Towards the phenomenology of TMD's at NNLL. , 2013, , .		0
39	DEFINITION AND EVOLUTION OF TRANSVERSE MOMENTUM DISTRIBUTIONS. International Journal of Modern Physics Conference Series, 2012, 20, 92-108.	0.7	7
40	Factorization theorem for Drell-Yan at low q T and transverse-momentum distributions on-the-light-cone. Journal of High Energy Physics, 2012, 2012, 1.	4.7	256
41	Singular and regular gauges in softâ€“collinear effective theory: The introduction of the new Wilson line T. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 463-468.	4.1	55
42	The T-Wilson Line. , 2011, , .		0
43	Soft-collinear effective theory, light-cone gauge, and the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>T</mml:mi></mml:math>-Wilson lines. Physical Review D, 2011, 84, .	4.7	37
44	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>R</mml:mi></mml:math>evolution: Improving perturbative QCD. Physical Review D, 2010, 82, .	4.7	24
45	R-evolving QCD matrix elements. , 2010, , .		0
46	R-evolution: Improving perturbative QCD. , 2009, , .		0
47	The R-evolution of QCD matrix elements. , 2009, , .		0
48	Two-loop jet function and jet mass for top quarks. Physical Review D, 2008, 77, .	4.7	29
49	Infrared Renormalization-Group Flow for Heavy-Quark Masses. Physical Review Letters, 2008, 101, 151602.	7.8	84
50	The top quark jet-function at two loops. , 2008, , .		0
51	Charged Kaon CP Violating Asymmetries vs. Nuclear Physics, Section B, Proceedings Supplements, 2007, 164, 79-82.	0.4	2
52	Measuring the â€“ pion scattering lengths through decays. Nuclear Physics, Section B, Proceedings Supplements, 2007, 174, 105-108.	0.4	0
53	Kâ†’3Ï€ final state interactions at NLO in CHPT and Cabibboâ€™s proposal to measure a0-a2. European Physical Journal C, 2007, 50, 405-422.	3.9	30
54	CHARGED KAON K â†’ 3Ï€ CP VIOLATING ASYMMETRIES. , 2005, , .		0

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55	Hadronic processes and electromagnetic corrections. Nuclear Physics, Section B, Proceedings Supplements, 2004, 131, 149-154.	0.4	0
56	Electromagnetic corrections in hadronic processes. European Physical Journal C, 2003, 32, 97-114.	3.9	64
57	Charged KaonKâ†'3Ï€ CP violating asymmetries at NLO in CHPT. Journal of High Energy Physics, 2003, 2003, 042-042.	4.7	22
58	The Standard Model prediction for Îµâ€²/Îµ. Nuclear Physics B, 2001, 617, 441-474.	2.5	77
59	Heavy Baryons and electromagnetic decays. Nuclear Physics, Section B, Proceedings Supplements, 2001, 93, 46-49.	0.4	0
60	Îµâ€²/Îµ in the standard model. Nuclear Physics, Section B, Proceedings Supplements, 2001, 96, 342-345.	0.4	3
61	THE ROLE OF FINAL STATE INTERACTIONS IN Îµâ€²/Îµ. International Journal of Modern Physics A, 2001, 16, 672-674.	1.5	2
62	A model independent analysis of B â†' Xsâ„“+â„“â^' decays in supersymmetry. Nuclear Physics, Section B, Proceedings Supplements, 2000, 81, 219-223.	0.4	1
63	Electromagnetic decays of heavy baryons. Physical Review D, 2000, 61, .	4.7	26
64	Magnetic moments of heavy baryons. Physical Review D, 2000, 61, .	4.7	16
65	CP violation in rare semileptonic B decays and supersymmetry. Nuclear Physics B, 2000, 574, 43-69.	2.5	12
66	decays in supersymmetry. Nuclear Physics B, 2000, 568, 120-144.	2.5	95
67	NLO corrections to Î"F = 2 effective hamiltonians and SUSY contribution to FCNC. Nuclear Physics, Section B, Proceedings Supplements, 1999, 74, 243-246.	0.4	0
68	The supersymmetric-flavor problem for heavy first-two-generation scalars at next-to-leading order. European Physical Journal C, 1999, 10, 347-356.	3.9	24
69	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
70	A test of HHCPT using magnetic moments of heavy baryons. , 1999, , .		1
71	Next-to-leading order QCD corrections to Î"F = 2 effective hamiltonians. Nuclear Physics B, 1998, 523, 501-525.	2.5	192
72	Î"MK and epsilonK in SUSY at the next-to-leading order. Journal of High Energy Physics, 1998, 1998, 008-008.	4.7	204

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73	Renormalons in the effective potential of the vectorial (Î¦2)2 model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 408, 403-416.	4.1	1
74	Transverse momentum dependent fragmentation function at next-toâ€“next-toâ€“leading order. , 0, .		1