

George Sterman

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5941023/publications.pdf>

Version: 2024-02-01

65
papers

6,791
citations

101496

36
h-index

138417

58
g-index

66
all docs

66
docs citations

66
times ranked

3594
citing authors

#	ARTICLE	IF	CITATIONS
1	Jets from Quantum Chromodynamics. Physical Review Letters, 1977, 39, 1436-1439.	2.9	671
2	Summation of large corrections to short-distance hadronic cross sections. Nuclear Physics B, 1987, 281, 310-364.	0.9	653
3	FACTORIZATION OF HARD PROCESSES IN QCD. Advanced Series on Directions in High Energy Physics, 1989, , 1-91.	0.7	575
4	Single transverse spin asymmetries. Physical Review Letters, 1991, 67, 2264-2267.	2.9	371
5	Multi-loop amplitudes and resummation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 552, 48-56.	1.5	307
6	Evolution of color exchange in QCD hard scattering. Nuclear Physics B, 1998, 531, 365-402.	0.9	245
7	Nonperturbative corrections in resummed cross sections. Nuclear Physics B, 1995, 437, 415-432.	0.9	202
8	Sudakov factorization and resummation. Nuclear Physics B, 1997, 484, 303-327.	0.9	196
9	Power corrections in hadronic scattering (II). Factorization. Nuclear Physics B, 1991, 353, 137-164.	0.9	190
10	Power corrections in hadronic scattering (I). Leading $1/Q^2$ corrections to the Drell-Yan cross section. Nuclear Physics B, 1991, 353, 105-136.	0.9	178
11	Power corrections to event shapes and factorization. Nuclear Physics B, 1999, 555, 335-351.	0.9	173
12	Two-loop soft anomalous dimension matrix and resummation at next-to-next-to-leading poles. Physical Review D, 2006, 74, .	1.6	157
13	Jet and lepton-pair production in high-energy lepton-hadron and hadron-hadron scattering. Physical Review D, 1978, 18, 3252-3268.	1.6	147
14	Universal structure of subleading infrared poles in gauge theory amplitudes. Journal of High Energy Physics, 2008, 2008, 022-022.	1.6	142
15	Mass divergences in annihilation processes. I. Origin and nature of divergences in cut vacuum polarization diagrams. Physical Review D, 1978, 17, 2773-2788.	1.6	139
16	Infrared factorization in inclusive B meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 340, 96-108.	1.5	134
17	Two-Loop Anomalous-Dimension Matrix for Soft-Gluon Exchange. Physical Review Letters, 2006, 97, 072001.	2.9	131
18	Threshold resummation for the top quark charge asymmetry. Physical Review D, 2008, 78, .	1.6	127

#	ARTICLE	IF	CITATIONS
19	Substructure of high- p_T jets at the LHC. Physical Review D, 2009, 79, .	1.6	124
20	Higher-Order QCD Corrections in Prompt Photon Production. Physical Review Letters, 2000, 84, 4296-4299.	2.9	113
21	Fragmentation, nonrelativistic QCD, and NNLO factorization analysis in heavy quarkonium production. Physical Review D, 2005, 72, .	1.6	112
22	Momentum flow correlations from event shapes: Factorized soft gluons and soft-collinear effective theory. Physical Review D, 2007, 75, .	1.6	112
23	Fragmentation, factorization and infrared poles in heavy quarkonium production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 613, 45-51.	1.5	82
24	Soft gluons and the normalization of the Drell-Yan cross section. Nuclear Physics B, 1988, 309, 259-281.	0.9	80
25	Heavy Quarkonium Production and Polarization. Physical Review Letters, 2012, 108, 102002.	2.9	78
26	Comparing and counting logs in direct and effective methods of QCD resummation. Journal of High Energy Physics, 2014, 2014, 1.	1.6	74
27	Factorization of $e^+e^- \rightarrow \text{hadrons} + \text{jet}$ shape distributions with hadronic final states in soft collinear effective theory. Physical Review D, 2008, 78, .	1.6	73
28	Mass divergences in two-particle inelastic scattering. Physical Review D, 1978, 18, 4737-4745.	1.6	72
29	Factorization for one-loop corrections in the Drell-Yan process. Nuclear Physics B, 1983, 223, 381-421.	0.9	70
30	HADRONIC FORM FACTORS AND PERTURBATIVE QCD. Annual Review of Nuclear and Particle Science, 1997, 47, 193-233.	3.5	57
31	Collinear and soft divergences in perturbative quantum gravity. Physical Review D, 2011, 84, .	1.6	56
32	Heavy quarkonium production at collider energies: Factorization and evolution. Physical Review D, 2014, 90, .	1.6	54
33	Infrared divergences in perturbative QCD. AIP Conference Proceedings, 1981, , .	0.3	52
34	Nonrelativistic QCD factorization and the velocity dependence of NNLO poles in heavy quarkonium production. Physical Review D, 2006, 74, .	1.6	50
35	Template overlap method for massive jets. Physical Review D, 2010, 82, .	1.6	50
36	High energy scattering in perturbative quantum gravity at next-to-leading power. Physical Review D, 2021, 103, .	1.6	39

#	ARTICLE	IF	CITATIONS
37	Heavy quarkonium production at collider energies: Partonic cross section and polarization. Physical Review D, 2015, 91, .	1.6	35
38	QCD and Rescattering in Nuclear Targets. International Journal of Modern Physics E, 2003, 12, 149-164.	0.4	32
39	Dilepton production near partonic threshold in transversely polarized $p\bar{p}$ collisions. Physical Review D, 2005, 71, .	1.6	32
40	Removing infrared divergences from two-loop integrals. Journal of High Energy Physics, 2019, 2019, 1.	1.6	32
41	Factorization and Quarkonium Production. Nuclear Physics, Section B, Proceedings Supplements, 2011, 214, 39-43.	0.5	30
42	Quantifying comparisons of threshold resummations. Journal of High Energy Physics, 2014, 2014, 1.	1.6	30
43	Scaling rule for nonperturbative radiation in a class of event shapes. Journal of High Energy Physics, 2003, 2003, 058-058.	1.6	28
44	Factorized Power Expansion for High- p_T Heavy Quarkonium Production. Physical Review Letters, 2014, 113, 142002.	2.9	27
45	Normalization of the Drell-Yan cross section in QCD. Nuclear Physics B, 1993, 400, 211-224.	0.9	26
46	Ultraviolet divergences and factorization for coordinate-space amplitudes. Physical Review D, 2015, 91, .	1.6	23
47	Color-transfer enhancement for heavy quarkonium production. Physical Review D, 2008, 77, .	1.6	22
48	Recoil and power corrections in high p_T direct photon production. Physical Review D, 2005, 71, .	1.6	17
49	Three-particle templates for a boosted Higgs boson. Physical Review D, 2012, 85, .	1.6	16
50	Threshold resummation at NNLL for single-particle production in hadronic collisions. Physical Review D, 2019, 99, .	1.6	15
51	Locally finite two-loop amplitudes for off-shell multi-photon production in electron-positron annihilation. Journal of High Energy Physics, 2021, 2021, 1.	1.6	15
52	Crossed threshold resummation. Physical Review D, 2006, 74, .	1.6	14
53	High twist effects in hadronic collisions. AIP Conference Proceedings, 1991, , .	0.3	13
54	APPROACHING THE FINAL STATE IN PERTURBATIVE QCD. International Journal of Modern Physics A, 2003, 18, 4329-4342.	0.5	3

#	ARTICLE	IF	CITATIONS
55	Power corrections to e^+e^- Dijet event shapes. European Physical Journal C, 2004, 33, s407-s409.	1.4	3
56	Double Scattering in Nuclei at High Energy. Physical Review Letters, 1989, 62, 730-732.	2.9	2
57	Power expansion for heavy quarkonium production at next-to-leading order in e^+e^- annihilation. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
58	QCD AND JETS. , 2006, , .		2
59	Probing hadronization with flavor correlations of leading particles in jets. Physical Review D, 2022, 105, .	1.6	1
60	Soft gluon resummation. AIP Conference Proceedings, 1996, , .	0.3	0
61	Threshold resummation for QCD hard scattering. , 1997, , .		0
62	Summary, DIS 97. , 1997, , .		0
63	Approaching the Final State in Perturbative QCD. Annales Henri Poincare, 2003, 4, 259-273.	0.8	0
64	PERTURBATIVE QUANTUM FIELD THEORY. , 2001, , .		0
65	LEADING AND NON-LEADING SINGULARITIES IN GAUGE THEORY HARD SCATTERING. , 2008, , .		0