

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	Probing hadronization with flavor correlations of leading particles in jets. Physical Review D, 2022, 105, .	1.6	1
2	High energy scattering in perturbative quantum gravity at next-to-leading power. Physical Review D, 2021, 103, .	1.6	39
3	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
4	Power expansion for heavy quarkonium production at next-to-leading order in $e+e\bar{a}$ annihilation. Journal of High Energy Physics, 2020, 2020, 1.	1.6	2
5	Threshold resummation at NNLL for single-particle production in hadronic collisions. Physical Review D, 2019, 99, .	1.6	15
6	Removing infrared divergences from two-loop integrals. Journal of High Energy Physics, 2019, 2019, 1.	1.6	32
7	Heavy quarkonium production at collider energies: Partonic cross section and polarization. Physical Review D, 2015, 91, .	1.6	35
8	Ultraviolet divergences and factorization for coordinate-space amplitudes. Physical Review D, 2015, 91, .	1.6	23
9	Heavy quarkonium production at collider energies: Factorization and evolution. Physical Review D, 2014, 90, .	1.6	54
10	Factorized Power Expansion for High- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ Heavy Quarkonium Production. Physical Review Letters, 2014, 113, 142002.	2.9	27
11	Comparing and counting logs in direct and effective methods of QCD resummation. Journal of High Energy Physics, 2014, 2014, 1.	1.6	74
12	Quantifying comparisons of threshold resummations. Journal of High Energy Physics, 2014, 2014, 1.	1.6	30
13	Heavy Quarkonium Production and Polarization. Physical Review Letters, 2012, 108, 102002.	2.9	78
14	Three-particle templates for a boosted Higgs boson. Physical Review D, 2012, 85, .	1.6	16
15	Collinear and soft divergences in perturbative quantum gravity. Physical Review D, 2011, 84, .	1.6	56
16	Factorization and Quarkonium Production. Nuclear Physics, Section B, Proceedings Supplements, 2011, 214, 39-43.	0.5	30
17	Template overlap method for massive jets. Physical Review D, 2010, 82, .	1.6	50
18	Substructure of high- $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"> \langle \text{mml:msub} \langle \text{mml:mi} \rangle p \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle T \langle \text{mml:mi} \rangle \langle \text{mml:msub} \rangle \langle \text{mml:math} \rangle$ jets at the LHC. Physical Review D, 2009, 79, .	1.6	124

#	ARTICLE	IF	CITATIONS
19	Color-transfer enhancement for heavy quarkonium production. Physical Review D, 2008, 77, .	1.6	22
20	Factorization of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">e^+e^- \rightarrow \text{mml:mo} + \text{mml:mi} \text{mml:mo} \rangle$ shape distributions with hadronic final states in soft collinear effective theory. Physical Review D, 2008, 78, .	1.6	73
21	Threshold resummation for the top quark charge asymmetry. Physical Review D, 2008, 78, .	1.6	127
22	Universal structure of subleading infrared poles in gauge theory amplitudes. Journal of High Energy Physics, 2008, 2008, 022-022.	1.6	142
23	LEADING AND NON-LEADING SINGULARITIES IN GAUGE THEORY HARD SCATTERING. , 2008, , .		0
24	Momentum flow correlations from event shapes: Factorized soft gluons and soft-collinear effective theory. Physical Review D, 2007, 75, .	1.6	112
25	Crossed threshold resummation. Physical Review D, 2006, 74, .	1.6	14
26	Nonrelativistic QCD factorization and the velocity dependence of NNLO poles in heavy quarkonium production. Physical Review D, 2006, 74, .	1.6	50
27	Two-loop soft anomalous dimension matrix and resummation at next-to-next-to-leading poles. Physical Review D, 2006, 74, .	1.6	157
28	Two-Loop Anomalous-Dimension Matrix for Soft-Gluon Exchange. Physical Review Letters, 2006, 97, 072001.	2.9	131
29	QCD AND JETS. , 2006, , .		2
30	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
31	Fragmentation, nonrelativistic QCD, and NNLO factorization analysis in heavy quarkonium production. Physical Review D, 2005, 72, .	1.6	112
32	Dilepton production near partonic threshold in transversely polarized $p\bar{p}$ collisions. Physical Review D, 2005, 71, .	1.6	32
33	Recoil and power corrections in high \hat{s} direct photon production. Physical Review D, 2005, 71, .	1.6	17
34	Power corrections to $e^+e^- \rightarrow e^+e^-$ Dijet event shapes. European Physical Journal C, 2004, 33, s407-s409.	1.4	3
35	Approaching the Final State in Perturbative QCD. Annales Henri Poincare, 2003, 4, 259-273.	0.8	0
36	Multi-loop amplitudes and resummation. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 552, 48-56.	1.5	307

#	ARTICLE	IF	CITATIONS
37	QCD and Rescattering in Nuclear Targets. International Journal of Modern Physics E, 2003, 12, 149-164.	0.4	32
38	APPROACHING THE FINAL STATE IN PERTURBATIVE QCD. International Journal of Modern Physics A, 2003, 18, 4329-4342.	0.5	3
39	Scaling rule for nonperturbative radiation in a class of event shapes. Journal of High Energy Physics, 2003, 2003, 058-058.	1.6	28
40	PERTURBATIVE QUANTUM FIELD THEORY. , 2001, , .		0
41	Higher-Order QCD Corrections in Prompt Photon Production. Physical Review Letters, 2000, 84, 4296-4299.	2.9	113
42	Power corrections to event shapes and factorization. Nuclear Physics B, 1999, 555, 335-351.	0.9	173
43	Evolution of color exchange in QCD hard scattering. Nuclear Physics B, 1998, 531, 365-402.	0.9	245
44	HADRONIC FORM FACTORS AND PERTURBATIVE QCD. Annual Review of Nuclear and Particle Science, 1997, 47, 193-233.	3.5	57
45	Sudakov factorization and resummation. Nuclear Physics B, 1997, 484, 303-327.	0.9	196
46	Threshold resummation for QCD hard scattering. , 1997, , .		0
47	Summary, DIS 97. , 1997, , .		0
48	Soft gluon resummation. AIP Conference Proceedings, 1996, , .	0.3	0
49	Nonperturbative corrections in resummed cross sections. Nuclear Physics B, 1995, 437, 415-432.	0.9	202
50	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
51	Normalization of the Drell-Yan cross section in QCD. Nuclear Physics B, 1993, 400, 211-224.	0.9	26
52	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
53	Power corrections in hadronic scattering (II). Factorization. Nuclear Physics B, 1991, 353, 137-164.	0.9	190
54	High twist effects in hadronic collisions. AIP Conference Proceedings, 1991, , .	0.3	13

#	ARTICLE	IF	CITATIONS
55	Single transverse spin asymmetries. Physical Review Letters, 1991, 67, 2264-2267.	2.9	371
56	Double Scattering in Nuclei at High Energy. Physical Review Letters, 1989, 62, 730-732.	2.9	2
57	FACTORIZATION OF HARD PROCESSES IN QCD. Advanced Series on Directions in High Energy Physics, 1989, , 1-91.	0.7	575
58	Soft gluons and the normalization of the Drell-Yan cross section. Nuclear Physics B, 1988, 309, 259-281.	0.9	80
59	Summation of large corrections to short-distance hadronic cross sections. Nuclear Physics B, 1987, 281, 310-364.	0.9	653
60	Factorization for one-loop corrections in the Drell-Yan process. Nuclear Physics B, 1983, 223, 381-421.	0.9	70
61	Infrared divergences in perturbative QCD. AIP Conference Proceedings, 1981, , .	0.3	52
62	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
63	Mass divergences in two-particle inelastic scattering. Physical Review D, 1978, 18, 4737-4745.	1.6	72
64	Jet and lepton-pair production in high-energy lepton-hadron and hadron-hadron scattering. Physical Review D, 1978, 18, 3252-3268.	1.6	147
65	Jets from Quantum Chromodynamics. Physical Review Letters, 1977, 39, 1436-1439.	2.9	671