

# Marco Stratmann

## List of Publications by Year in descending order

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Version: 2024-02-01

45  
papers

2,586  
citations

279798

23  
h-index

345221

36  
g-index

45  
all docs

45  
docs citations

45  
times ranked

1821  
citing authors

#	ARTICLE	IF	CITATIONS
1	Global analysis of fragmentation functions for pions and kaons and their uncertainties. Physical Review D, 2007, 75, .	4.7	443
2	Extraction of spin-dependent parton densities and their uncertainties. Physical Review D, 2009, 80, .	4.7	299
3	Evidence for Polarization of Gluons in the Proton. Physical Review Letters, 2014, 113, 012001.	7.8	222
4	Global Analysis of Helicity Parton Densities and their Uncertainties. Physical Review Letters, 2008, 101, 072001.	7.8	211
5	Global analysis of nuclear parton distributions. Physical Review D, 2012, 85, .	4.7	182
6	Global analysis of fragmentation functions for protons and charged hadrons. Physical Review D, 2007, 76, .	4.7	176
7	Parton-to-pion fragmentation reloaded. Physical Review D, 2015, 91, .	4.7	169
8	QCD analysis of unpolarized and polarized $\hat{b}$ -baryon production in leading and next-to-leading order. Physical Review D, 1998, 57, 5811-5824.	4.7	146
9	Parton-to-kaon fragmentation revisited. Physical Review D, 2017, 95, .	4.7	76
10	Towards a global analysis of polarized parton distributions. Physical Review D, 2001, 64, .	4.7	74
11	Polarized $\hat{b}$ -Baryon Production in pp Collisions. Physical Review Letters, 1998, 81, 530-533.	7.8	59
12	Monte Carlo sampling variant of the DSSV14 set of helicity parton densities. Physical Review D, 2019, 100, .	4.7	48
13	Global analysis of fragmentation functions for eta mesons. Physical Review D, 2011, 83, .	4.7	46
14	Inclusive hadron production in the CERN-LHC era. Physical Review D, 2010, 82, .	4.7	39
15	Fragmentation functions in nuclear media. Physical Review D, 2010, 81, .	4.7	36
16	Fragmentation functions at next-to-next-to-leading order accuracy. Physical Review D, 2015, 92, .	4.7	36
17	Helicity parton distributions at a future electron-ion collider: A quantitative appraisal. Physical Review D, 2012, 86, .	4.7	33
18	Using hadron-in-jet data in a global analysis of $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">D^* \rangle$ fragmentation functions. Physical Review D, 2017, 96, .	4.7	33

#	ARTICLE	IF	CITATIONS
19	Next-to-leading order QCD corrections to the polarized hadroproduction of heavy flavors. Physical Review D, 2003, 67, .	4.7	28
20	Unveiling the proton spin decomposition at a future electron-ion collider. Physical Review D, 2015, 92, .	4.7	27
21	Uncertainties in pion and kaon fragmentation functions. Physical Review D, 2012, 86, .	4.7	25
22	QCD spin physics: Partonic spin structure of the nucleon. Progress in Particle and Nuclear Physics, 2012, 67, 251-259.	14.4	25
23	Prospects for charged current deep-inelastic scattering off polarized nucleons at a future electron-ion collider. Physical Review D, 2013, 88, .	4.7	25
24	Probing the sea quark content of the proton with one-particle-inclusive processes. Physical Review D, 2017, 96, .	4.7	19
25	Fragmentation functions beyond fixed order accuracy. Physical Review D, 2017, 95, .	4.7	16
26	QCD Hard Scattering and the Sign of the Spin Asymmetry. Physical Review Letters, 2004, 92, 121803.	7.8	15
27	Next-to-leading order QCD evolution of transversity fragmentation functions. Physical Review D, 2002, 65, .	4.7	12
28	Next-to-leading order QCD corrections to inclusive heavy-flavor production in polarized deep-inelastic scattering. Physical Review D, 2018, 98, .	4.7	12
29	Towards a Global QCD Analysis of Fragmentation Functions at Next-to-Next-to-Leading Order Accuracy. Physical Review Letters, 2022, 129, .	7.8	12
30	Pre-Town Meeting on spin physics at an Electron-Ion Collider. European Physical Journal A, 2017, 53, 1.	2.5	11
31	Pion fragmentation functions at high energy colliders. Physical Review D, 2022, 105, .	4.7	10
32	Exploring the polarization of gluons in the nucleon. Journal of Physics: Conference Series, 2007, 69, 012035.	0.4	9
33	Next-to-leading order QCD corrections to heavy quark correlations in longitudinally polarized hadron-hadron collisions. Physical Review D, 2009, 80, .	4.7	6
34	Longitudinally polarized photoproduction of heavy flavors at next-to-leading order of QCD. European Physical Journal C, 2013, 73, 1.	3.9	4
35	Polarized photoproduction of heavy flavours in NLO. Journal of Physics G: Nuclear and Particle Physics, 1999, 25, 1544-1546.	3.6	1
36	Differential heavy quark distributions and correlations in longitudinally polarized deep-inelastic scattering. Physical Review D, 2021, 104, .	4.7	1

#	ARTICLE	IF	CITATIONS
37	Polarized heavy flavor production in next-to-leading order QCD. AIP Conference Proceedings, 2001, , .	0.4	0
38	NLO QCD Corrections to $A_{LL}[\sup \sqrt{s}]$ . AIP Conference Proceedings, 2003, , .	0.4	0
39	Exploring Nucleon Spin Structure in Longitudinally Polarized Collisions. AIP Conference Proceedings, 2003, , .	0.4	0
40	Semi-Inclusive DIS in NLO QCD. AIP Conference Proceedings, 2005, , .	0.4	0
41	Spin Physics Summary. AIP Conference Proceedings, 2005, , .	0.4	0
42	Global QCD Analysis of Polarized Parton Densities. , 2009, , .		0
43	Longitudinally Polarized Hadroproduction of Heavy Quarks. , 2009, , .		0
44	SPIN PHYSICS AT RHIC - A THEORETICAL OVERVIEW. , 2003, , .		0
45	HOW TO EXTRACT $\hat{\Gamma}^G$ FROM MEASUREMENTS OF $A_{LL}$ ?. , 2007, , .		0