Mauro Anselmino

List of Publications by Year
in descending order

137	5,239	117625	82547
papers	citations	34 h-index	72 g-index

138	138	138	2195
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Electron-Ion Collider: The next QCD frontier. European Physical Journal A, 2016, 52, 1.	2.5	898
2	Diquarks. Reviews of Modern Physics, 1993, 65, 1199-1233.	45.6	349
3	The theory and phenomenology of polarized deep inelastic scattering. Physics Reports, 1995, 261, 1-124.	25.6	326
4	Transversity and Collins functions from SIDIS ande+eâ^'data. Physical Review D, 2007, 75, .	4.7	259
5	Sivers effect for pion and kaon production in semi-inclusive deep inelastic scattering. European Physical Journal A, 2009, 39, 89-100.	2.5	251
6	Single spin asymmetry for pâ†'p â†' Ï€X in perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 362, 164-172.	4.1	198
7	Role of Cahn and Sivers effects in deep inelastic scattering. Physical Review D, 2005, 71, .	4.7	196
8	Simultaneous extraction of transversity and Collins functions from new semi-inclusive deep inelastic scattering and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo mathvariant="bold">+</mml:mo></mml:msup><mml:msup><mml:mi>e</mml:mi><mml:mo mathvariant="bold">â^'</mml:mo></mml:msup></mml:math>data. Physical Review D, 2013, 87, .	4.7	182
9	Update on transversity and Collins functions from SIDIS and data. Nuclear Physics, Section B, Proceedings Supplements, 2009, 191, 98-107.	0.4	171
10	Extracting the Sivers function from polarized semi-inclusive deep inelastic scattering data and making predictions. Physical Review D, 2005, 72, .	4.7	152
11	Single spin asymmetries in pâ†'p and inclusive processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 470-478.	4.1	116
12	Unpolarised transverse momentum dependent distribution and fragmentation functions from SIDIS multiplicities. Journal of High Energy Physics, 2014, 2014, 1.	4.7	99
13	Strategy towards the extraction of the Sivers function with transverse momentum dependent evolution. Physical Review D, 2012, 86, .	4.7	95
14	General partonic structure for hadronic spin asymmetries. Physical Review D, 2006, 73, .	4.7	86
15	Î›polarization from unpolarized quark fragmentation. Physical Review D, 2001, 63, .	4.7	71
16	Phenomenology of single spin asymmetries inpâ†'pâ†'Ï€X. Physical Review D, 1999, 60, .	4.7	70
17	Diquarks in exclusive reactions at large momentum transfer. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1987, 36, 89-103.	1.5	64
18	Collins functions for pions from SIDIS and new<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>e</mml:mi><mml:mo>â	4.7	63
	A first glance at their transverse momentum dependence. Physical Review D, 2015, 92, .		

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19	Publisherâ€™s Note: Extracting the Sivers function from polarized semi-inclusive deep inelastic scattering data and making predictions [Phys. Rev. D72, 094007 (2005)]. Physical Review D, 2005, 72, .	4.7	62
20	Parton intrinsic motion: Suppression of the Collins mechanism for transverse single spin asymmetries inpâ†'pâ†'Ï€X. Physical Review D, 2005, 71, .	4.7	60
21	Sivers effect in Drell-Yan processes. Physical Review D, 2009, 79, .	4.7	60
22	Accessing Sivers gluon distribution via transverse single spin asymmetries inpâ†'pâ†'DXprocesses at BNL RHIC. Physical Review D, 2004, 70, .	4.7	59
23	Transverse single spin asymmetries in Drell-Yan processes. Physical Review D, 2003, 67, .	4.7	56
24	Sivers effect and the single spin asymmetryANinpâ†'pâ†'hXprocesses. Physical Review D, 2013, 88, .	4.7	56
25	Accessing transversity via J/Ï^ production in polarized pâ†'pÌ„â†'Âinteractions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 97-104.	4.1	54
26	Study of the sign change of the Sivers function from STAR collaboration W/Z production data. Journal of High Energy Physics, 2017, 2017, 1.	4.7	52
27	General helicity formalism for semi-inclusive deep inelastic scattering. Physical Review D, 2011, 83, .	4.7	47
28	Role of Collins effect in the single spin asymmetryANinpâ†'pâ†'hXprocesses. Physical Review D, 2012, 86, .	4.7	46
29	A crisis in the parton model: where, oh where is the proton's spin?. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1988, 41, 239-246.	1.5	44
30	Transverse spin structure of the nucleon through target single-spin asymmetry in semi-inclusive deep-inelastic (e, eâ€™ $ pi^{pm}_{} $) reaction at Jefferson Lab. European Physical Journal Plus, 2011, 126, 1.	2.6	42
31	Semi-Inclusive Deep Inelastic Scattering processes from small to large PT. European Physical Journal A, 2007, 31, 373-381.	2.5	40
32	Polarized deep inelastic scattering at high energies and parity violating structure functions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1994, 64, 267-273.	1.5	38
33	Spin effects in the fragmentation of a transversely polarized quark. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 483, 74-86.	4.1	38
34	Constraints on the gluon Sivers distribution via transverse single spin asymmetries at midrapidity inpâ†'pâ†'Ï€0Xprocesses at BNL RHIC. Physical Review D, 2006, 74, .	4.7	35
35	Transverse Î› polarization in semi-inclusive deep inelastic scattering. Physical Review D, 2002, 65, .	4.7	33
36	Transverse spin effects in hard semi-inclusive collisions. Progress in Particle and Nuclear Physics, 2020, 114, 103806.	14.4	33

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37	Transverse momentum dependence of the quark helicity distributions and the Cahn effect in double-spin asymmetryALLin semiinclusive DIS. Physical Review D, 2006, 74, .	4.7	31
38	Transverse-momentum-dependent parton distribution/fragmentation functions at an electron-ion collider. European Physical Journal A, 2011, 47, 1.	2.5	31
39	TWO-PHOTON ANNIHILATION INTO PROTON-ANTIPROTON IN A QUARK-DIQUARK SCHEME. International Journal of Modern Physics A, 1989, 04, 5213-5234.	1.5	28
40	Problems with hadronicÎ·cdecays and the perturbative QCD scheme for exclusive reactions. Physical Review D, 1990, 42, 3218-3220.	4.7	25
41	Single spin asymmetries in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>l</mml:mi><mml:mi>p</mml:mi><mml:mo>â†'</mml:mo><mml:mi>h</mml:mi><mml:mi>X</mml:mi></mml A test of factorization. Physical Review D, 2010, 81, .	4.7	24
42	Charmonium decays into proton-antiproton and a quark-diquark model for the nucleon. Physical Review D, 1991, 44, 1438-1448.	4.7	23
43	SIDIS in the target fragmentation region: Polarized and transverse-momentum dependent fracture functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 699, 108-118.	4.1	22
44	Î› and polarization in polarized DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 253-262.	4.1	21
45	Spin physics and TMD studies at A Fixed-Target ExpeRiment at the LHC (AFTER@LHC). EPJ Web of Conferences, 2015, 85, 02038.	0.3	20
46	Extracting the kaon Collins function from<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>+</mml:mo></mml:msup><mml:msup><mml:mi>e</mml:mi><mml:mo>â pair production data. Physical Review D, 2016, 93, .	4.7	20
47	Does the proton contain large strange quark components?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 229, 117-121.	4.1	19
48	Charmonium phenomenology andL=0trigluonia. Physical Review D, 1991, 44, 1597-1598.	4.7	19
49	Top quark production at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 167, 113-119.	4.1	18
50	Largep cT cross-section differences as tests of quark-gluon scattering. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1983, 18, 307-313.	1.5	17
51	The decayÎ·câ†'ppÂ¯ in a quark-diquark scheme. Physical Review D, 1988, 38, 3516-3521.	4.7	16
52	Isospin symmetry violation of the nucleon sea or diquarks?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 254, 203-206.	4.1	16
53	Small-angle polarization in high-energyp-pscattering through nonperturbative chiral symmetry breaking. Physical Review Letters, 1993, 71, 223-226.	7.8	16
54	A possible mechanism for spin effects in large anglepâˆ'p elastic scattering. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1982, 13, 63-67.	1.5	15

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55	Ï‡c0,c2â†'Ïdecays and theïpolarization: Massless versus constituent quarks. Physical Review D, 1993, 47, 3977-3983.	4.7	15
56	Single spin asymmetries in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mo>â„“</mml:mo><mml:msup><mml:mrow><mml:mi>p</mml:mi></mml:mrow><mml:mrow><mml:mo stretchy="false">â†‘</mml:mo></mml:mrow></mml:msup><mml:mo stretchy="false">â†'</mml:mo><mml:mi>h</mml:mi><mml:mi>X</mml:mi></mml:mrow></mml:math> processes and transverse momentum dependent factorization. Physical Review D, 2014, 89, .	4.7	14
57	Quark color-hyperfine interactions in baryons. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1990, 48, 605-612.	1.5	13
58	Perturbative QCD forbidden charmonium decays and gluonia. Physical Review D, 1994, 50, 595-598.	4.7	13
59	New insight on the Sivers transverse momentum dependent distribution function. Journal of Physics: Conference Series, 2011, 295, 012062.	0.4	13
60	Transverse Single-Spin Asymmetries in Proton-Proton Collisions at the AFTER@LHC Experiment in a TMD Factorisation Scheme. Advances in High Energy Physics, 2015, 2015, 1-12.	1.1	13
61	Mass corrections to "forbidden" charmonium decays:Î·c,Ï‡c0â†'ppÂ¯. Physical Review D, 1992, 46, 5049-5059.	4.7	12
62	Polarized inclusive leptoproduction,lNâ†'hX, and the hadron helicity density matrixÏ(h): Possible measurements and predictions. Physical Review D, 1996, 54, 828-837.	4.7	11
63	Weak interactions in polarized semi-inclusive DIS. European Physical Journal C, 2001, 21, 501-512.	3.9	11
64	Double hadron lepto-production in the current and target fragmentation regions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 706, 46-52.	4.1	11
65	Spin physics at a fixed-target experiment at the LHC (AFTER@LHC). Physics of Particles and Nuclei, 2014, 45, 336-337.	0.7	11
66	Coherent versus incoherent quark fragmentation picture. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1985, 29, 135-142.	1.5	10
67	Higher twist corrections to Bjorken sum rule. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 358, 109-112.	4.1	10
68	Polarizing fragmentation function and the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi mathvariant="normal">Î›</mml:mi></mml:math> polarization in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow><mml:mi>e</mml:mi></mml:mrow><mml:mrow><mml:mo>+</mml:mo></mml:mrow></mml:msup> processes. Physical Review D, 2019, 100, .	4.7	10
69	Predictions for single spin asymmetries in $ell p^{uparrow} o pi X$ and $gamma^* p^{uparrow} o pi X$. European Physical Journal C, 2000, 13, 519-526.	3.9	9
70	Parton densities and fragmentation functions from polarized production in semi-inclusive DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 509, 246-252.	4.1	9
71	Role of transverse momentum dependence of unpolarized parton distribution and fragmentation functions in the analysis of azimuthal spin asymmetries. Physical Review D, 2018, 98, .	4.7	9
72	Single spin asymmetries in deep inelastic scattering. Physical Review D, 1997, 56, 6021-6024.	4.7	8

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73	Diquark contributions to the nucleon deep inelastic structure functions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1990, 48, 689-692.	1.5	7
74	Ï‡c2â†'Ïˆand the Ï•polarization in massless perturbative QCD: How to test the distribution amplitudes. Physical Review D, 1996, 53, 5314-5317.	4.7	7
75	New measurements of proton polarized structure functions in charged current processes at DESY HERA. Physical Review D, 1997, 55, 5841-5844.	4.7	7
76	Off-diagonal helicity density matrix elements for heavy vector mesons inclusively produced in NN,Î³N and â„“N interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 438, 347-352.	4.1	7
77	Ï‡c2â†'Ïˆdecay and the Ï•polarization in inclusive processes: A test of mass effects. Physical Review D, 1994, 50, 2321-2324.	4.7	6
78	Non-standard time reversal for particle multiplets and the spin-flavor structure of hadrons. Nuclear Physics, Section B, Proceedings Supplements, 2002, 105, 132-133.	0.4	6
79	Studies of Transverse-Momentum-Dependent Distributions with a Fixed-Target ExpeRiment Using the LHC Beams (AFTER@LHC). International Journal of Modern Physics Conference Series, 2016, 40, 1660107.	0.7	6
80	Discrete cluster mass spectrum. Il Nuovo Cimento A, 1978, 43, 152-160.	0.2	5
81	An instanton-induced contribution to the decay of the Î·c into. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 71-77.	4.1	5
82	The sigma term and the quark number operator in QCD. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1994, 61, 453-463.	1.5	5
83	The Sivers asymmetry in Drellâ€“Yan production at the J /Î¨ peak at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 302-306.	4.1	5
84	Extraction of the valence transversity distributions from SIDIS data. Physical Review D, 2020, 102, .	4.7	5
85	Convolution rules for cluster models. Il Nuovo Cimento A, 1976, 36, 205-218.	0.2	4
86	Inconsistency between growing multiplicity of clusters and the data on Ïƒe1/Ïƒtot in the uncorrelated-cluster models. Lettere Al Nuovo Cimento Rivista Internazionale Della SocietÃ Italiana Di Fisica, 1976, 15, 329-330.	0.4	4
87	QCD jets as markov branching processes. Explicit solutions for the transition probabilities. Il Nuovo Cimento A, 1981, 62, 253-272.	0.2	4
88	Polarization in large-pT photoproduction of vector mesons. Physical Review D, 1984, 30, 36-45.	4.7	4
89	THE $eta_co par{p}$ DECAY AND A QUARK-DIQUARK MODEL OF THE NUCLEON: THE CONTRIBUTION OF SCALAR-VECTOR DIQUARK TRANSITION. Modern Physics Letters A, 1991, 06, 1415-1420.	1.2	4
90	Polarized deep inelastic scattering and the parton model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 293, 216-218.	4.1	4

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91	Gottfried and Bjorken sum rules: The role of vector diquarks. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1992, 55, 97-100.	1.5	4
92	J/Î¦ decay into $$gamma par p$$ and the diquark content of the proton. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1993, 58, 429-433.	1.5	4
93	A novel beamâ€“spin asymmetry in double-hadron inclusive lepto-production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 713, 317-320.	4.1	4
94	Evidence for clusters of growing mass. Il Nuovo Cimento A, 1977, 41, 723-755.	0.2	3
95	A QCD explanation for asymmetries in polarized pp high-p âˆŸ elastic scattering. Il Nuovo Cimento A, 1979, 53, 289-300.	0.2	3
96	Polarization of theÏ‡c2inppÂ¯annihilation: Massless QCD versus diquarks. Physical Review D, 1992, 45, 4340-4341.	4.7	3
97	Single spin asymmetries in QCD. European Physical Journal D, 2002, 52, C13-C26.	0.4	3
98	TRANSVERSE Î› POLARIZATION IN INCLUSIVE PROCESSES. International Journal of Modern Physics A, 2003, 18, 1237-1245.	1.5	3
99	Spin and diffractive physics with a fixed-target experiment at the LHC (AFTER@LHC). , 2013, , .		3
100	TRANSVERSITY. , 2006, , .		3
101	Transversity and Collins Fragmentation Functions: Towards a New Global Analysis. , 2008, , .		3
102	Dynamical model coupling strangeness to nucleons. Il Nuovo Cimento A, 1991, 104, 1091-1094.	0.1	3
103	What do we learn from polarization measurements in deep-inelastic electron-nucleon scattering?. Physical Review D, 1979, 19, 2803-2805.	4.7	2
104	Are there bound states of Higgs scalars or weak vector bosons in the 100 GeV region?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 147, 207-211.	4.1	2
105	Lambda polarization in unpolarized hadron reactions. European Physical Journal D, 2001, 51, A107-A113.	0.4	2
106	Understanding the role of Cahn and Sivers effects in Deep Inelastic Scattering. AIP Conference Proceedings, 2005, , .	0.4	2
107	TMDâ€™s in Drell-Yan Processes. , 2009, , .		2
108	TRANSVERSE Î› POLARIZATION IN UNPOLARIZED SEMI-INCLUSIVE DIS. , 2002, , .		2

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109	Comments on uncorrelated-cluster emission models. Il Nuovo Cimento A, 1976, 35, 174-180.	0.2	1
110	Spin-spin asymmetries in high-p âŠ¥ inclusive proton production in pp scattering. Il Nuovo Cimento A, 1979, 53, 281-288.	0.2	1
111	Spin effects in large angle Ï€pâ†'Ïp interactions. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1985, 29, 541-546.	1.5	1
112	Proton spin-spin asymmetries for large angle electron-proton elastic scattering. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1985, 28, 303-308.	1.5	1
113	QUARK-CLUSTERING EFFECTS IN NEUTRINOâ€"NUCLEON DEEP INELASTIC SCATTERING. International Journal of Modern Physics A, 1998, 13, 2875-2882.	1.5	1
114	Spin-independent and double-spin cosÏ† asymmetries in semi-inclusive pion electroproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 60-64.	4.1	1
115	ORIGINS OF SINGLE TRANSVERSE SPIN ASYMMETRIES. International Journal of Modern Physics A, 2003, 18, 1365-1372.	1.5	1
116	Intrinsic parton motion soft mechanisms and the longitudinal spin asymmetryALLin high energyppâ†' Ï€X. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015007.	3.6	1
117	TMD Phenomenology. Few-Body Systems, 2016, 57, 373-378.	1.5	1
118	Some considerations about aÏ† 4 in statistical mechanics. Societa Italiana Di Fisica Nuovo Cimento B-General Physics, Relativity Astronomy and Mathematical Physics and Methods, 1976, 32, 415-426.	0.2	0
119	Can antisymmetrization explain ANN in proton-proton elastic scattering?. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 184, 261-262.	4.1	0
120	Spin effects and vector diquarks: Î·c decay into baryon-antibaryon. AIP Conference Proceedings, 1989, , .	0.4	0
121	Charmonium state formation and decay:ppÂ¯â†'1D2â†'1P1Î³. Physical Review D, 1995, 51, 2478-2481.	4.7	0
122	Modeling higher twist contributions to deep inelastic scattering with diquarks. Zeitschrift FÃ¼r Physik C-Particles and Fields, 1996, 71, 625-629.	1.5	0
123	Quark fragmentation into vector and pseudoscalar mesons at LEP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 427, 356-360.	4.1	0
124	Single transverse spin asymmetries in inclusive hadron production. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 632-634.	0.4	0
125	Origins of single transverse spin asymmetries. Nuclear Physics, Section B, Proceedings Supplements, 2002, 105, 122-125.	0.4	0
126	Constraints on Gluon Sivers Distribution from RHIC Results. AIP Conference Proceedings, 2007, , .	0.4	0

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127	The Exploration of the 3-Dimensional Structure of the Nucleon. Nuclear Physics News, 2010, 20, 14-18.	0.4	0
128	PHENOMENOLOGY OF THE SIVERS EFFECT WITH TMD EVOLUTION. International Journal of Modern Physics Conference Series, 2012, 20, 145-152.	0.7	0
129	Theory and phenomenology of TMDs. , 2013, , .		0
130	Phenomenology of COMPASS data: multiplicities and Phenomenology - part II. EPJ Web of Conferences, 2015, 85, 02017.	0.3	0
131	STATUS OF SPIN PHYSICS. , 2002, , .		0
132	CAN THE COLLINS MECHANISM EXPLAIN THE LARGE TRANSVERSE SINGLE SPIN ASYMMETRIES OBSERVED IN p^{â†‘}p â†’ Ï€X?. , 2005, , .		0
133	SIVERS FUNCTION: SIDIS DATA, FITS AND PREDICTIONS. , 2006, , .		0
134	The Sivers Function from SIDIS Data. , 2008, , .		0
135	Heavy Clusters at High Energy. , 1978, , 447-459.		0
136	Title is missing!. , 2017, , .		0
137	A new method to extract the valence transversity distributions. SciPost Physics Proceedings, 2022, , .	0.4	0