

# Mauro Anselmino

## List of Publications by Year in descending order

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137  
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138  
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138  
docs citations

138  
times ranked

2195  
citing authors

#	ARTICLE	IF	CITATIONS
1	A new method to extract the valence transversity distributions. SciPost Physics Proceedings, 2022, , .	0.4	0
2	Extraction of the valence transversity distributions from SIDIS data. Physical Review D, 2020, 102, .	4.7	5
3	Transverse spin effects in hard semi-inclusive collisions. Progress in Particle and Nuclear Physics, 2020, 114, 103806.	14.4	33
4	Polarizing fragmentation function and the $\langle \mathbf{S}_T \cdot \hat{\mathbf{p}} \rangle$ polarization in $e^+e^-$ processes. Physical Review D, 2019, 100, .	4.7	10
5	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
6	The Sivers asymmetry in Drell-Yan production at the $J/\psi$ peak at COMPASS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 302-306.	4.1	5
7	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
8	Title is missing!. , 2017, , .		0
9	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
10	Electron-Ion Collider: The next QCD frontier. European Physical Journal A, 2016, 52, 1.	2.5	898
11	Extracting the kaon Collins function from $e^+e^-$ pair production data. Physical Review D, 2016, 93, .	4.7	20
12	TMD Phenomenology. Few-Body Systems, 2016, 57, 373-378.	1.5	1
13	Collins functions for pions from SIDIS and new $e^+e^-$ A first glance at their transverse momentum dependence. Physical Review D, 2015, 92, .	4.7	68
14	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
15	Phenomenology of COMPASS data: multiplicities and Phenomenology - part II. EPJ Web of Conferences, 2015, 85, 02017.	0.3	0
16	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
17	Spin physics at a fixed-target experiment at the LHC (AFTER@LHC). Physics of Particles and Nuclei, 2014, 45, 336-337.	0.7	11
18	Unpolarised transverse momentum dependent distribution and fragmentation functions from SIDIS multiplicities. Journal of High Energy Physics, 2014, 2014, 1.	4.7	99

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19	Single spin asymmetries in $p \rightarrow hX$ processes. Physical Review D, 2013, 88, .	4.7	14
20	Simultaneous extraction of transversity and Collins functions from new semi-inclusive deep inelastic scattering and $e \rightarrow e' \gamma$ processes. Physical Review D, 2013, 87, .	4.7	182
21	Spin and diffractive physics with a fixed-target experiment at the LHC (AFTER@LHC). , 2013, , .		3
22	Theory and phenomenology of TMDs. , 2013, , .		0
23	Sivers effect and the single spin asymmetry in $p \rightarrow hX$ processes. Physical Review D, 2013, 88, .	4.7	56
24	Role of Collins effect in the single spin asymmetry in $p \rightarrow hX$ processes. Physical Review D, 2012, 86, .	4.7	46
25	Strategy towards the extraction of the Sivers function with transverse momentum dependent evolution. Physical Review D, 2012, 86, .	4.7	95
26	PHENOMENOLOGY OF THE SIVERS EFFECT WITH TMD EVOLUTION. International Journal of Modern Physics Conference Series, 2012, 20, 145-152.	0.7	0
27	A novel beam 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
28	General helicity formalism for semi-inclusive deep inelastic scattering. Physical Review D, 2011, 83, .	4.7	47
29	New insight on the Sivers transverse momentum dependent distribution function. Journal of Physics: Conference Series, 2011, 295, 012062.	0.4	13
30	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
31	Transverse-momentum-dependent parton distribution/fragmentation functions at an electron-ion collider. European Physical Journal A, 2011, 47, 1.	2.5	31
32	Transverse spin structure of the nucleon through target single-spin asymmetry in semi-inclusive deep-inelastic ( $e, e' \rightarrow e' \pi^+ \pi^-$ ) reaction at Jefferson Lab. European Physical Journal Plus, 2011, 126, 1.	2.6	42
33	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
34	The Exploration of the 3-Dimensional Structure of the Nucleon. Nuclear Physics News, 2010, 20, 14-18.	0.4	0
35	Single spin asymmetries in $p \rightarrow hX$ processes: A test of factorization. Physical Review D, 2010, 81, .		
36	TMDs in Drell-Yan Processes. , 2009, , .		2

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37	Intrinsic parton motion soft mechanisms and the longitudinal spin asymmetry in high energy pp collisions. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 015007.	3.6	1
38	Update on transversity and Collins functions from SIDIS and data. Nuclear Physics, Section B, Proceedings Supplements, 2009, 191, 98-107.	0.4	171
39	Sivers effect for pion and kaon production in semi-inclusive deep inelastic scattering. European Physical Journal A, 2009, 39, 89-100.	2.5	251
40	Sivers effect in Drell-Yan processes. Physical Review D, 2009, 79, .	4.7	60
41	The Sivers Function from SIDIS Data. , 2008, , .		0
42	Transversity and Collins Fragmentation Functions: Towards a New Global Analysis. , 2008, , .		3
43	Transversity and Collins functions from SIDIS and e+e- data. Physical Review D, 2007, 75, .	4.7	259
44	Constraints on Gluon Sivers Distribution from RHIC Results. AIP Conference Proceedings, 2007, , .	0.4	0
45	Semi-Inclusive Deep Inelastic Scattering processes from small to large PT. European Physical Journal A, 2007, 31, 373-381.	2.5	40
46	Constraints on the gluon Sivers distribution via transverse single spin asymmetries at midrapidity in pp collisions at BNL RHIC. Physical Review D, 2006, 74, .	4.7	35
47	Transverse momentum dependence of the quark helicity distributions and the Cahn effect in double-spin asymmetry in semiinclusive DIS. Physical Review D, 2006, 74, .	4.7	31
48	General partonic structure for hadronic spin asymmetries. Physical Review D, 2006, 73, .	4.7	86
49	TRANSVERSITY. , 2006, , .		3
50	SIVERS FUNCTION: SIDIS DATA, FITS AND PREDICTIONS. , 2006, , .		0
51	Understanding the role of Cahn and Sivers effects in Deep Inelastic Scattering. AIP Conference Proceedings, 2005, , .	0.4	2
52	Extracting the Sivers function from polarized semi-inclusive deep inelastic scattering data and making predictions. Physical Review D, 2005, 72, .	4.7	152
53	Publisher'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
54	Parton intrinsic motion: Suppression of the Collins mechanism for transverse single spin asymmetries in pp collisions. Physical Review D, 2005, 71, .	4.7	60

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55	Role of Cahn and Sivers effects in deep inelastic scattering. Physical Review D, 2005, 71, .	4.7	196
56	CAN THE COLLINS MECHANISM EXPLAIN THE LARGE TRANSVERSE SINGLE SPIN ASYMMETRIES OBSERVED IN $p \rightarrow p$ ? , 2005, , .		0
57	Accessing Sivers gluon distribution via transverse single spin asymmetries in $p \rightarrow p$ processes at BNL RHIC. Physical Review D, 2004, 70, .	4.7	59
58	Accessing transversity via $J/\psi$ production in polarized $p \rightarrow p$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 594, 97-104.	4.1	54
59	Spin-independent and double-spin $\cos^2\theta$ asymmetries in semi-inclusive pion electroproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 564, 60-64.	4.1	1
60	Transverse single spin asymmetries in Drell-Yan processes. Physical Review D, 2003, 67, .	4.7	56
61	TRANSVERSE $\hat{h}$ POLARIZATION IN INCLUSIVE PROCESSES. International Journal of Modern Physics A, 2003, 18, 1237-1245.	1.5	3
62	ORIGINS OF SINGLE TRANSVERSE SPIN ASYMMETRIES. International Journal of Modern Physics A, 2003, 18, 1365-1372.	1.5	1
63	Transverse $\hat{h}$ polarization in semi-inclusive deep inelastic scattering. Physical Review D, 2002, 65, .	4.7	33
64	Single spin asymmetries in QCD. European Physical Journal D, 2002, 52, C13-C26.	0.4	3
65	Origins of single transverse spin asymmetries. Nuclear Physics, Section B, Proceedings Supplements, 2002, 105, 122-125.	0.4	0
66	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
67	STATUS OF SPIN PHYSICS. , 2002, , .		0
68	TRANSVERSE $\hat{h}$ POLARIZATION IN UNPOLARIZED SEMI-INCLUSIVE DIS. , 2002, , .		2
69	Lambda polarization in unpolarized hadron reactions. European Physical Journal D, 2001, 51, A107-A113.	0.4	2
70	Weak interactions in polarized semi-inclusive DIS. European Physical Journal C, 2001, 21, 501-512.	3.9	11
71	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
72	$\hat{h}$ polarization from unpolarized quark fragmentation. Physical Review D, 2001, 63, .	4.7	71

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73	$\hat{L}$ and polarization in polarized DIS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 481, 253-262.	4.1	21
74	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
75	Predictions for single spin asymmetries in $e\ell p^{\uparrow} \rightarrow \pi X$ and $\gamma^* p^{\uparrow} \rightarrow \pi X$ . European Physical Journal C, 2000, 13, 519-526.	3.9	9
76	Phenomenology of single spin asymmetries in $p^{\uparrow} p^{\uparrow} \rightarrow X$ . Physical Review D, 1999, 60, .	4.7	70
77	Single transverse spin asymmetries in inclusive hadron production. Nuclear Physics, Section B, Proceedings Supplements, 1999, 79, 632-634.	0.4	0
78	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
79	Off-diagonal helicity density matrix elements for heavy vector mesons inclusively produced in $NN, \hat{N}$ and $\hat{N}, \hat{N}$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 438, 347-352.	4.1	7
80	Single spin asymmetries in $p^{\uparrow} p$ and inclusive processes. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 442, 470-478.	4.1	116
81	QUARK-CLUSTERING EFFECTS IN NEUTRINO-NUCLEON DEEP INELASTIC SCATTERING. International Journal of Modern Physics A, 1998, 13, 2875-2882.	1.5	1
82	Single spin asymmetries in deep inelastic scattering. Physical Review D, 1997, 56, 6021-6024.	4.7	8
83	New measurements of proton polarized structure functions in charged current processes at DESY HERA. Physical Review D, 1997, 55, 5841-5844.	4.7	7
84	Modeling higher twist contributions to deep inelastic scattering with diquarks. Zeitschrift für Physik C-Particles and Fields, 1996, 71, 625-629.	1.5	0
85	Polarized inclusive lepton production, $e\ell p^{\uparrow} \rightarrow hX$ , and the hadron helicity density matrix $\hat{h}$ : Possible measurements and predictions. Physical Review D, 1996, 54, 828-837.	4.7	11
86	$\hat{L}$ and the $\hat{L}$ -polarization in massless perturbative QCD: How to test the distribution amplitudes. Physical Review D, 1996, 53, 5314-5317.	4.7	7
87	The theory and phenomenology of polarized deep inelastic scattering. Physics Reports, 1995, 261, 1-124.	25.6	326
88	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
89	Single spin asymmetry for $p^{\uparrow} p \rightarrow X$ in perturbative QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 362, 164-172.	4.1	198
90	Charmonium state formation and decay: $p\bar{p} \rightarrow \chi_{c0} \rightarrow D\bar{D} \rightarrow P\bar{P}$ . Physical Review D, 1995, 51, 2478-2481.	4.7	0

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91	$\bar{c}c$ -decay and the $\bar{c}$ -polarization in inclusive processes: A test of mass effects. Physical Review D, 1994, 50, 2321-2324.	4.7	6
92	Perturbative QCD forbidden charmonium decays and gluonia. Physical Review D, 1994, 50, 595-598.	4.7	13
93	An instanton-induced contribution to the decay of the $\bar{c}$ into. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 323, 71-77.	4.1	5
94	The sigma term and the quark number operator in QCD. Zeitschrift für Physik C-Particles and Fields, 1994, 61, 453-463.	1.5	5
95	Polarized deep inelastic scattering at high energies and parity violating structure functions. Zeitschrift für Physik C-Particles and Fields, 1994, 64, 267-273.	1.5	38
96	$J/\psi$ decay into $\gamma p$ and the diquark content of the proton. Zeitschrift für Physik C-Particles and Fields, 1993, 58, 429-433.	1.5	4
97	$\bar{c}c$ -decays and the $\bar{c}$ -polarization: Massless versus constituent quarks. Physical Review D, 1993, 47, 3977-3983.	4.7	15
98	Small-angle polarization in high-energy p-p scattering through nonperturbative chiral symmetry breaking. Physical Review Letters, 1993, 71, 223-226.	7.8	16
99	Diquarks. Reviews of Modern Physics, 1993, 65, 1199-1233.	45.6	349
100	Polarization of the $\bar{c}$ in $p\bar{p}$ annihilation: Massless QCD versus diquarks. Physical Review D, 1992, 45, 4340-4341.	4.7	3
101	Mass corrections to "forbidden" charmonium decays: $\bar{c}c \rightarrow p\bar{p}$ . Physical Review D, 1992, 46, 5049-5059.	4.7	12
102	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
103	Gottfried and Bjorken sum rules: The role of vector diquarks. Zeitschrift für Physik C-Particles and Fields, 1992, 55, 97-100.	1.5	4
104	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
105	THE $\eta_{c0}$ 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
106	Charmonium decays into proton-antiproton and a quark-diquark model for the nucleon. Physical Review D, 1991, 44, 1438-1448.	4.7	23
107	Charmonium phenomenology and $L=0$ gluonia. Physical Review D, 1991, 44, 1597-1598.	4.7	19
108	Dynamical model coupling strangeness to nucleons. Il Nuovo Cimento A, 1991, 104, 1091-1094.	0.1	3

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109	Quark color-hyperfine interactions in baryons. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 605-612.	1.5	13
110	Diquark contributions to the nucleon deep inelastic structure functions. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 689-692.	1.5	7
111	Problems with hadronic decays and the perturbative QCD scheme for exclusive reactions. Physical Review D, 1990, 42, 3218-3220.	4.7	25
112	Spin effects and vector diquarks: $\hat{c}$ decay into baryon-antibaryon. AIP Conference Proceedings, 1989, , .	0.4	0
113	TWO-PHOTON ANNIHILATION INTO PROTON-ANTI-PROTON IN A QUARK-DIQUARK SCHEME. International Journal of Modern Physics A, 1989, 04, 5213-5234.	1.5	28
114	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
115	A crisis in the parton model: where, oh where is the proton's spin?. Zeitschrift für Physik C-Particles and Fields, 1988, 41, 239-246.	1.5	44
116	The decay $\hat{c} \rightarrow p \bar{p}$ in a quark-diquark scheme. Physical Review D, 1988, 38, 3516-3521.	4.7	16
117	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
118	Diquarks in exclusive reactions at large momentum transfer. Zeitschrift für Physik C-Particles and Fields, 1987, 36, 89-103.	1.5	64
119	Top quark production at LEP energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1986, 167, 113-119.	4.1	18
120	Spin effects in large angle $\hat{c} \rightarrow p \bar{p}$ interactions. Zeitschrift für Physik C-Particles and Fields, 1985, 29, 541-546.	1.5	1
121	Coherent versus incoherent quark fragmentation picture. Zeitschrift für Physik C-Particles and Fields, 1985, 29, 135-142.	1.5	10
122	Proton spin-spin asymmetries for large angle electron-proton elastic scattering. Zeitschrift für Physik C-Particles and Fields, 1985, 28, 303-308.	1.5	1
123	Polarization in large- $p_T$ photoproduction of vector mesons. Physical Review D, 1984, 30, 36-45.	4.7	4
124	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
125	Large $cT$ cross-section differences as tests of quark-gluon scattering. Zeitschrift für Physik C-Particles and Fields, 1983, 18, 307-313.	1.5	17
126	A possible mechanism for spin effects in large angle $\hat{c} \rightarrow p$ elastic scattering. Zeitschrift für Physik C-Particles and Fields, 1982, 13, 63-67.	1.5	15



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127	QCD jets as markov branching processes. Explicit solutions for the transition probabilities. Il Nuovo Cimento A, 1981, 62, 253-272.	0.2	4
128	What do we learn from polarization measurements in deep-inelastic electron-nucleon scattering?. Physical Review D, 1979, 19, 2803-2805.	4.7	2
129	Spin-spin asymmetries in high-p $\hat{\Sigma}$ inclusive proton production in pp scattering. Il Nuovo Cimento A, 1979, 53, 281-288.	0.2	1
130	A QCD explanation for asymmetries in polarized pp high-p $\hat{\Sigma}$ elastic scattering. Il Nuovo Cimento A, 1979, 53, 289-300.	0.2	3
131	Discrete cluster mass spectrum. Il Nuovo Cimento A, 1978, 43, 152-160.	0.2	5
132	Heavy Clusters at High Energy. , 1978, , 447-459.		0
133	Evidence for clusters of growing mass. Il Nuovo Cimento A, 1977, 41, 723-755.	0.2	3
134	Convolution rules for cluster models. Il Nuovo Cimento A, 1976, 36, 205-218.	0.2	4
135	Inconsistency between growing multiplicity of clusters and the data on $\bar{l}f_e1/\bar{l}ftot$ in the uncorrelated-cluster models. Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica, 1976, 15, 329-330.	0.4	4
136	Some considerations about $\alpha\ddagger$ 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
137	Comments on uncorrelated-cluster emission models. Il Nuovo Cimento A, 1976, 35, 174-180.	0.2	1