Barbara Pasquini

List of Publications by Year
in descending order

157 papers	3,247 citations	126907 33 h-index	168389 53 g-index
160 all docs	160 docs citations	160 times ranked	944 citing authors

#	Article	IF	Citations
1	Dispersion relations in real and virtual Compton scattering. Physics Reports, 2003, 378, 99-205.	25.6	209
2	Quark Wigner distributions and orbital angular momentum. Physical Review D, 2011, 84, .	4.7	162
3	Transverse momentum dependent parton distributions in a light-cone quark model. Physical Review D, 2008, 78, .	4.7	128
4	Quark orbital angular momentum from Wigner distributions and light-cone wave functions. Physical Review D, 2012, 85, .	4.7	110
5	Unified framework for generalized and transverse-momentum dependent parton distributions within a 3Q light-cone picture of the nucleon. Journal of High Energy Physics, 2011, 2011, 1.	4.7	102
6	Chiral-odd generalized parton distributions in constituent quark models. Physical Review D, 2005, 72, .	4.7	88
7	Linking generalized parton distributions to constituent quark models. Nuclear Physics B, 2003, 649, 243-262.	2.5	84
8	Structure analysis of the generalized correlator of quark and gluon for a spin-1/2 target. Journal of High Energy Physics, 2013, 2013, 1.	4.7	83
9	Azimuthal spin asymmetries in light-cone constituent quark models. Physical Review D, 2009, 79, .	4.7	73
10	Higher order polarizabilities of the proton. Physical Review C, 2000, 61, .	2.9	70
11	Pion generalized parton distributions with covariant and light-front constituent quark models. Physical Review D, 2009, 80, .	4.7	66
12	Fixed-tsubtracted dispersion relations for Compton scattering off the nucleon. Physical Review C, 1999, 61, .	2.9	65
13	Signatures of chiral dynamics in low-energy Compton scattering off the nucleon. European Physical Journal A, 2004, 20, 293-315.	2.5	64
14	Spatial distribution of angular momentum inside the nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 776, 38-47.	4.1	63
15	Dispersive evaluation of the D-term form factor in deeply virtual Compton scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2014, 739, 133-138.	4.1	59
16	Nucleon spin densities in a light-front constituent quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 653, 23-28.	4.1	58
17	Sivers and Boer-Mulders functions in light-cone quark models. Physical Review D, 2010, 81, .	4.7	58
18	Resonance estimates for single spin asymmetries in elastic electron-nucleon scattering. Physical Review C, 2004, 70, .	2.9	55

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19	Origin of model relations among transverse-momentum dependent parton distributions. Physical Review D, 2011, 84, .	4.7	55
20	Dispersion relation formalism for virtual Compton scattering off the proton. European Physical Journal A, 2001, 11, 185-208.	2.5	53
21	Revisiting the proton mass decomposition. Physical Review D, 2020, 102, .	4.7	49
22	Twist-2 generalized transverse-momentum dependent parton distributions and the spin/orbital structure of the nucleon. Physical Review D, 2014, 90, .	4.7	48
23	Helicity-dependent generalized parton distributions in constituent quark models. Nuclear Physics B, 2004, 680, 147-163.	2.5	47
24	Pion transverse momentum dependent parton distributions in a light-front constituent approach, and the Boer-Mulders effect in the pion-induced Drell-Yan process. Physical Review D, 2014, 90, .	4.7	47
25	Drell-Yan processes, transversity, and light-cone wave functions. Physical Review D, 2007, 76, .	4.7	43
26	Electroweak structure of the nucleon, meson cloud, and light-cone wave functions. Physical Review D, 2007, 76, .	4.7	42
27	Proton spin polarizabilities from polarized Compton scattering. Physical Review C, 2007, 76, .	2.9	41
28	Generalized dipole polarizabilities and the spatial structure of hadrons. Physical Review C, 2001, 64, .	2.9	39
29	Naive time-reversal odd phenomena in semi-inclusive deep-inelastic scattering from light-cone constituent quark models. Physical Review D, 2011, 83, .	4.7	38
30	Virtual meson cloud of the nucleon and generalized parton distributions. Physical Review D, 2006, 73, .	4.7	37
31	The pretzelosity TMD and quark orbital angular momentum. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 486-488.	4.1	37
32	Phases of augmented hadronic light-front wave functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 327-330.	4.1	36
33	Measurement of the Generalized Polarizabilities of the Proton in Virtual Compton Scattering atQ2=0.92and1.76â€°â€°GeV2. Physical Review Letters, 2004, 93, 122001.	7.8	33
34	Proper definition and evolution of generalized transverse momentum dependent distributions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 759, 336-341.	4.1	33
35	Compton scattering from chiral dynamics with unitarity and causality. Nuclear Physics A, 2011, 866, 79-92.	1.5	31
36	The transverse structure of the pion in momentum space inspired by the AdS/QCD correspondence. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 546-552.	4.1	31

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37	Energy-momentum tensor in QCD: nucleon mass decomposition and mechanical equilibrium. Journal of High Energy Physics, 2021, 2021, 1.	4.7	30
38	The twist-three distribution e(x,kâŠ¥) in a light-front model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 414-424.	4.1	29
39	Modelling the nucleon structure. European Physical Journal A, 2016, 52, 1.	2.5	28
40	Unpolarized transverse momentum dependent parton distribution functions beyond leading twist in quark models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
41	Higher order forward spin polarizability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 160-166.	4.1	26
42	Transverse Beam Spin Asymmetries at Backward Angles in Elastic Electron-Proton and Quasielastic Electron-Deuteron Scattering. Physical Review Letters, 2011, 107, 022501.	7.8	26
43	Two-photon exchange corrections to elastic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>e</mml:mi></mml:mrow><mml:mrow><mml:mo>â^’</mml:mo></mml... -proton scattering: Full dispersive treatment of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi><mml:mi>N</mml:mi></mml:math> states and comparison with dat	4.7	26
44	Multipole decomposition of the nucleon transverse phase space. Physical Review D, 2016, 93, .	4.7	25
45	Dispersion Theory in Electromagnetic Interactions. Annual Review of Nuclear and Particle Science, 2018, 68, 75-103.	10.2	23
46	A new measurement of the structure functions PLL - PTT/Îµ and PLT in virtual Compton scattering at Q2 = 0.33 (GeV/c)2. European Physical Journal A, 2008, 37, 1-8.	2.5	22
47	Light-Front Interpretation of Proton Generalized Polarizabilities. Physical Review Letters, 2010, 104, 112001.	7.8	22
48	Generalized polarizabilities of the proton in a constituent quark model revisited. Physical Review C, 2001, 63, .	2.9	21
49	Transverse pion structure beyond leading twist in constituent models. European Physical Journal C, 2016, 76, 415.	3.9	21
50	New predictions for generalized spin polarizabilities from heavy baryon chiral perturbation theory. Physical Review D, 2004, 70, .	4.7	20
51	Nonperturbative versus perturbative effects in generalized parton distributions. Physical Review D, 2005, 71, .	4.7	20
52	Two-photon exchange corrections to elastic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mi>e</mml:mi><mml:mo>â^’</mml:mo></mml:msup></mml:math> -proton scattering: Full dispersive treatment of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Ï€</mml:mi><mml:mi>N</mml:mi></mml:math> states at low momentum transf	4.7	20
53	Dispersion relation formalism for virtual Compton scattering and the generalized polarizabilities of the nucleon. Physical Review C, 2000, 62, .	2.9	18
54	Parton content of the nucleon from distribution amplitudes and transition distribution amplitudes. Physical Review D, 2009, 80, .	4.7	18

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55	Mass sum rules of the electron in quantum electrodynamics. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
56	THE SPIN STRUCTURE OF THE NUCLEON IN LIGHT-CONE QUARK MODELS. Modern Physics Letters A, 2009, 24, 2903-2912.	1.2	17
57	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab. European Physical Journal A, 2021, 57, 1.	2.5	17
58	The Fubini-Furlan-Rossetti sum rule revisited. European Physical Journal A, 2005, 23, 279-289.	2.5	16
59	Generalized parton distributions in a meson cloud model. Nuclear Physics A, 2007, 782, 86-92.	1.5	16
60	Reconstructing parton densities at large fractional momenta. Physical Review D, 2017, 95, .	4.7	16
61	Twist-3 generalized parton distributions in deeply-virtual Compton scattering. Physical Review D, 2018, 98, .	4.7	16
62	Dispersion theory and the low-energy constants for neutral-pion photoproduction. European Physical Journal A, 2006, 27, 231-242.	2.5	15
63	Beam-helicity asymmetry in photon and pion electroproduction in the Î"(1232)-resonance region at Q2 = 0.35(GeV/c)2. European Physical Journal A, 2007, 32, 69-75.	2.5	15
64	Virtual Compton scattering and the generalized polarizabilities of the proton at$Q^2 = $1.76 GeV^2. Physical Review C, 2011, 86, .	2.9	15
65	Beam normal spin asymmetry for the $ep \to e\mathrm{\Delta}(1232$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 327 Td (stretchy="	4.7	15
66	Invariant amplitudes for pion electroproduction. European Physical Journal A, 2007, 34, 387-403.	2.5	14
67	Virtual Compton scattering measurements in theÎ³*Nâ†'Î"transition. Physical Review C, 2008, 78, .	2.9	14
68	Polarizability of the pion: No conflict between dispersion theory and chiral perturbation theory. Physical Review C, 2008, 77, .	2.9	14
69	Proton scalar dipole polarizabilities from real Compton scattering data using fixed-t subtracted dispersion relations and the bootstrap method. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 104001.	3.6	14
70	The gravitational form factor D(t) of the electron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136501.	4.1	14
71	Electron in three-dimensional momentum space. Physical Review D, 2016, 93, .	4.7	13
72	First extraction of the scalar proton dynamical polarizabilities from real Compton scattering data. Physical Review C, 2018, 98, .	2.9	12

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73	Revisiting model relations between T-odd transverse-momentum-dependent parton distributions and generalized parton distributions. Physical Review D, 2019, 100, .	4.7	12
74	International workshop on next generation gamma-ray source. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 010502.	3.6	12
75	Nuclear Compton scattering in the Î”-resonance region with polarized photons. Nuclear Physics A, 1996, 598, 485-502.	1.5	10
76	Nucleon generalized polarizabilities within a relativistic constituent quark model. Physical Review C, 1998, 57, 2589-2596.	2.9	10
77	Generalized parton distributions of the pion in a covariant Bethe-Salpeter model and light-front models. Nuclear Physics, Section B, Proceedings Supplements, 2010, 199, 264-269.	0.4	10
78	Wigner Distributions in Light-Front Quark Models. Few-Body Systems, 2014, 55, 287-296.	1.5	10
79	Revisiting the equivalence of light-front and covariant QED in the light-cone gauge. Physical Review D, 2016, 94, .	4.7	9
80	Collinear parton distributions and the structure of the nucleon sea in a light-front meson-cloud model. Physical Review D, 2017, 95, .	4.7	9
81	Virtual Compton scattering and nucleon generalized polarizabilities. Progress in Particle and Nuclear Physics, 2020, 113, 103754.	14.4	9
82	Spin force dependence of the parton distributions: The ratio $F2n(x,Q2)/F2p(x,Q2)$. Physical Review D, 2002, 65, .	4.7	8
83	Measurement of the beam-recoil polarization in low-energy virtual Compton scattering from the proton. Physical Review C, 2015, 92, .	2.9	8
84	Generalized polarizabilities and electroexcitation of the nucleon. Nuclear Physics A, 1999, 660, 57-68.	1.5	7
85	Single spin asymmetries in elastic electron-nucleon scattering. European Physical Journal A, 2005, 24, 29-32.	2.5	7
86	PROBING THE PARTON CONTENT OF THE NUCLEON. Modern Physics Letters A, 2009, 24, 2882-2892.	1.2	7
87	The Drell-Yan process with pions and polarized nucleons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
88	Extraction of proton form factors in the timelike region from unpolarized $e+e^-\to p\bar{p}$ events. Physical Review D, 2006, 74, .	4.7	6
89	Reply to â€œComment on â€˜Polarizability of the pion: No conflict between dispersion theory and chiral perturbation theoryâ€™â€. Physical Review C, 2010, 81, .	2.9	6
90	Virtual Compton scattering measurements in the nucleon resonance region. European Physical Journal A, 2019, 55, 1.	2.5	6

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91	Nucleon polarizabilities in real and virtual Compton scattering: Recent theoretical issues. European Physical Journal: Special Topics, 2011, 198, 269-285.	2.6	5
92	Virtual Compton scattering off nuclei in the Î"-resonance region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 29-32.	4.1	4
93	The nucleon Drell-Hearn-Gerasimov sum rule within a relativistic constituent quark model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 418, 237-245.	4.1	4
94	A dispersive approach to pion photo- and electroproduction. Few-Body Systems, 2007, 41, 13-29.	1.5	4
95	WIGNER DISTRIBUTIONS AND QUARK ORBITAL ANGULAR MOMENTUM. International Journal of Modern Physics Conference Series, 2012, 20, 84-91.	0.7	4
96	Studying the information content of TMDs using Monte Carlo generators. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 034015.	3.6	4
97	Extraction of proton form factors in the timelike region from single-polarized$e+e^-\to p\bar{p}$events. Physical Review D, 2006, 74, .	4.7	3
98	Structure of the Nucleon Spin on the Light Cone. AIP Conference Proceedings, 2008, , .	0.4	2
99	Internal Structure of the Pion Inspired by the AdS/QCD Correspondence. Few-Body Systems, 2016, 57, 443-447.	1.5	2
100	The Gauge-Field Propagator in Light-Cone Gauge: Which is the Correct One?. Few-Body Systems, 2017, 58, 1.	1.5	2
101	Polarized structure functions of the nucleon in the resonance region. Nuclear Physics A, 2000, 666-667, 286-289.	1.5	1
102	Dispersion Relations in Virtual Compton Scattering. AIP Conference Proceedings, 2003, , .	0.4	1
103	TMDs and Azimuthal Spin Asymmetries in a Light-Cone Quark Model. , 2009, , .		1
104	Generalized TMDs. International Journal of Modern Physics Conference Series, 2015, 37, 1560037.	0.7	1
105	Spin/Orbital Structure of the Nucleon from Wigner Distributions. International Journal of Modern Physics Conference Series, 2016, 40, 1660013.	0.7	1
106	Extracting the scalar dynamical polarizabilities from real Compton scattering data. , 2019, , .		1
107	Quark-gluon correlations in the twist-3 TMD using light-front wave functions.. , 2019, , .		1
108	Virtual Compton scattering at low energies with a positron beam. European Physical Journal A, 2021, 57, 1.	2.5	1

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109	Understanding the proton mass in QCD. SciPost Physics Proceedings, 2022, , .	0.4	1
110	Photon electroproduction off nuclei in the Î"-resonance region. Nuclear Physics A, 1997, 613, 371-381.	1.5	0
111	Fixed-t subtracted dispersion relations for Compton scattering off the nucleon. Progress in Particle and Nuclear Physics, 2000, 44, 459-460.	14.4	0
112	Virtual Compton scattering off the pseudoscalar meson octet. European Physical Journal D, 2001, 51, B135-B144.	0.4	0
113	Dispersion relation formalism for real and virtual Compton scattering and nucleon polarizabilities. Nuclear Physics A, 2001, 684, 357-359.	1.5	0
114	FIXED-T AND FIXED-ANGLE DISPERSION RELATIONS FOR REAL COMPTON SCATTERING. , 2003, , .		0
115	Generalized parton distributions of the nucleon in constituent quark models. Nuclear Physics A, 2005, 755, 549-552.	1.5	0
116	Single spin asymmetries in elastic electron-nucleon scattering. , 2005, , 29-32.		0
117	Generalized Parton Distributions and Constituent Quark Models. AIP Conference Proceedings, 2005, , .	0.4	0
118	Longitudinal and transverse parton momentum distributions for pion and nucleon within relativistic constituent quark models. EPJ Web of Conferences, 2010, 3, 03032.	0.3	0
119	Longitudinal and Transverse Parton Momentum Distributions for Hadrons within Relativistic Constituent Quark Models. , 2010, , .		0
120	Light-front transverse charge densities. Journal of Physics: Conference Series, 2011, 295, 012050.	0.4	0
121	Transverse-Momentum Distributions and Spherical Symmetry. Few-Body Systems, 2012, 53, 117-124.	1.5	0
122	Accessing the quark orbital angular momentum with Wigner distributions. , 2013, , .		0
123	Phase-space distributions and orbital angular momentum. EPJ Web of Conferences, 2014, 73, 02013.	0.3	0
124	Dispersion Representation of Deeply Virtual Compton Scattering. Few-Body Systems, 2015, 56, 267-273.	1.5	0
125	The multidimensional nucleon structure. EPJ Web of Conferences, 2016, 129, 00044.	0.3	0
126	Dispersion representation of the D-term form factor in deeply virtual Compton scattering. EPJ Web of Conferences, 2016, 112, 01015.	0.3	0

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127	Spin Observables in Pion Photoproduction and Nucleon Compton Scattering from the Chiral Lagrangian and Dispersion Relations. International Journal of Modern Physics Conference Series, 2016, 40, 1660066.	0.7	0
128	The Electron in Three-Dimensional Momentum Space. Few-Body Systems, 2016, 57, 515-519.	1.5	0
129	LIGHT-CONE 2015: Theoretical and experimental challenges onto the Light-Front. Few-Body Systems, 2016, 57, 371-372.	1.5	0
130	Scalar dipole dynamical polarizabilities from real Compton scattering data. EPJ Web of Conferences, 2019, 199, 05008.	0.3	0
131	Proton scalar polarizabilities from real Compton scattering data, using a bootstrap-based fitting technique. AIP Conference Proceedings, 2020, , .	0.4	0
132	DISPERSION ANALYSIS OF THE SPIN POLARIZABILITIES. , 2001, , .		0
133	DISPERSION ANALYSIS FOR GENERALIZED SPIN POLARIZABILITIES. , 2001, , .		0
134	Dispersion formalism for real and virtual Compton scattering. , 2001, , .		0
135	CHIRAL-ODD GENERALIZED PARTON DISTRIBUTIONS, TRANSVERSITY AND DOUBLE TRANSVERSE-SPIN ASYMMETRY IN DRELLâ€"YAN DILEPTON PRODUCTION. , 2007, , .		0
136	DYNAMICAL POLARIZABILITIES OF THE NUCLEON. , 2007, , .		0
137	Nucleon electroweak form factors in a meson-cloud model. , 2008, , 240-242.		0
138	The structure of the nucleon from generalized parton distributions. , 2009, , .		0
139	NUCLEON TO PION TRANSITION DISTRIBUTION AMPLITUDES IN A LIGHT-CONE QUARK MODEL. , 2009, , .		0
140	Pion polarizabilities: No conflict between dispersion theory and ChPT. , 2010, , .		0
141	GTMDs in Light-Cone Models. , 2010, , .		0
142	LIGHT-FRONT DENSITIES FOR TRANSVERSELY POLARIZED HADRONS. , 2011, , .		0
143	MODELING THE TRANSVERSE MOMENTUM DEPENDENT PARTON DISTRIBUTIONS. , 2011, , .		0
144	Quark phase-space distributions and orbital angular momentum. , 2012, , .		0

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145	Dispersion Theoretical Analysis of the Nucleon Spin Polarizabilities. Few-Body Systems, 1999, , 335-338.	0.2	0
146	The nucleon Drell-Hearn-Gerasimov sum rule within a relativistic constituent quark model. Few-Body Systems, 1999, , 139-142.	0.2	0
147	Title is missing!. , 2017, , .		0
148	Title is missing!. , 2017, , .		0
149	Transverse phase space and its multipole decomposition. , 2017, , .		0
150	Title is missing!. , 2018, , .		0
151	Lensing function relation in Hadrons. , 2019, , .		0
152	Hadron Tomography by Three-Dimensional Structure Functions. , 2019, , .		0
153	Wigner Functions and Nucleon Structure. , 2020, , .		0
154	Lensing function relation in hadrons. , 2020, , .		0
155	Lensing function relation in Hadrons. Journal of Physics: Conference Series, 2020, 1643, 012195.	0.4	0
156	Imaging the Partonic Structure of the Nucleon. Springer Proceedings in Physics, 2020, , 763-772.	0.2	0
157	Energy-Momentum Tensor Form Factors in QED. SciPost Physics Proceedings, 2022, , .	0.4	0