

Barbara Pasquini

List of Publications by Year in descending order

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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	International workshop on next generation gamma-ray source. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 010502.	3.6	12
2	Understanding the proton mass in QCD. SciPost Physics Proceedings, 2022, , .	0.4	1
3	Energy-Momentum Tensor Form Factors in QED. SciPost Physics Proceedings, 2022, , .	0.4	0
4	The Drell-Yan process with pions and polarized nucleons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	7
5	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
6	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
7	Energy-momentum tensor in QCD: nucleon mass decomposition and mechanical equilibrium. Journal of High Energy Physics, 2021, 2021, 1.	4.7	30
8	Virtual Compton scattering at low energies with a positron beam. European Physical Journal A, 2021, 57, 1.	2.5	1
9	Virtual Compton scattering and nucleon generalized polarizabilities. Progress in Particle and Nuclear Physics, 2020, 113, 103754.	14.4	9
10	Proton scalar polarizabilities from real Compton scattering data, using a bootstrap-based fitting technique. AIP Conference Proceedings, 2020, , .	0.4	0
11	Mass sum rules of the electron in quantum electrodynamics. Journal of High Energy Physics, 2020, 2020, 1.	4.7	18
12	Revisiting the proton mass decomposition. Physical Review D, 2020, 102, .	4.7	49
13	Wigner Functions and Nucleon Structure. , 2020, , .		0
14	Lensing function relation in hadrons. , 2020, , .		0
15	Lensing function relation in Hadrons. Journal of Physics: Conference Series, 2020, 1643, 012195.	0.4	0
16	Imaging the Partonic Structure of the Nucleon. Springer Proceedings in Physics, 2020, , 763-772.	0.2	0
17	Virtual Compton scattering measurements in the nucleon resonance region. European Physical Journal A, 2019, 55, 1.	2.5	6
18	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

#	ARTICLE	IF	CITATIONS
19	Scalar dipole dynamical polarizabilities from real Compton scattering data. EPJ Web of Conferences, 2019, 199, 05008.	0.3	0
20	The twist-three distribution $e(x, k^2)$ in a light-front model. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 414-424.	4.1	29
21	Revisiting model relations between T -odd transverse-momentum-dependent parton distributions and generalized parton distributions. Physical Review D, 2019, 100, .	4.7	12
22	Extracting the scalar dynamical polarizabilities from real Compton scattering data. , 2019, , .		1
23	Quark-gluon correlations in the twist-3 TMD using light-front wave functions.. , 2019, , .		1
24	Lensing function relation in Hadrons. , 2019, , .		0
25	Hadron Tomography by Three-Dimensional Structure Functions. , 2019, , .		0
26	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
27	Twist-3 generalized parton distributions in deeply-virtual Compton scattering. Physical Review D, 2018, 98, .	4.7	16
28	First extraction of the scalar proton dynamical polarizabilities from real Compton scattering data. Physical Review C, 2018, 98, .	2.9	12
29	Dispersion Theory in Electromagnetic Interactions. Annual Review of Nuclear and Particle Science, 2018, 68, 75-103.	10.2	23
30	Title is missing!. , 2018, , .		0
31	The Gauge-Field Propagator in Light-Cone Gauge: Which is the Correct One?. Few-Body Systems, 2017, 58, 1.	1.5	2
32	Reconstructing parton densities at large fractional momenta. Physical Review D, 2017, 95, .	4.7	16
33	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
34	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
35	Two-photon exchange corrections to elastic γ -proton scattering: Full dispersive treatment of T -odd transverse-momentum-dependent parton distributions and comparison with T -odd transverse-momentum-dependent parton distributions. Physical Review D, 2018, 98, .	4.7	26
36	Two-photon exchange corrections to elastic γ -proton scattering: Full dispersive treatment of T -odd transverse-momentum-dependent parton distributions and comparison with T -odd transverse-momentum-dependent parton distributions. Physical Review D, 2018, 98, .	4.7	20

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37	Beam normal spin asymmetry for the $\langle \text{mml:math xmlns:mml= "http://www.w3.org/1998/Math/MathML" display="inline"} \langle \text{mml:mi} \rangle \text{e} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\text{t}}' \langle \text{mml:mo} \rangle \langle \text{mml:mi} \rangle \text{e} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \text{mathvariant="normal"} \rangle \hat{\text{t}} \langle \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:m} \rangle 1232 \langle \text{mml:m} \rangle \langle \text{mml:mo} \rangle \text{Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 727 Td} \langle \text{mml:mo} \text{stretchy="false"} \rangle \langle \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 1232 \langle \text{mml:m} \rangle \langle \text{mml:mo} \rangle$	4.7	15
38	Title is missing!. , 2017, , .		0
39	Title is missing!. , 2017, , .		0
40	Transverse phase space and its multipole decomposition. , 2017, , .		0
41	The multidimensional nucleon structure. EPJ Web of Conferences, 2016, 129, 00044.	0.3	0
42	Dispersion representation of the D-term form factor in deeply virtual Compton scattering. EPJ Web of Conferences, 2016, 112, 01015.	0.3	0
43	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
44	The Electron in Three-Dimensional Momentum Space. Few-Body Systems, 2016, 57, 515-519.	1.5	0
45	Modelling the nucleon structure. European Physical Journal A, 2016, 52, 1.	2.5	28
46	Electron in three-dimensional momentum space. Physical Review D, 2016, 93, .	4.7	13
47	Multipole decomposition of the nucleon transverse phase space. Physical Review D, 2016, 93, .	4.7	25
48	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
49	Internal Structure of the Pion Inspired by the AdS/QCD Correspondence. Few-Body Systems, 2016, 57, 443-447.	1.5	2
50	Revisiting the equivalence of light-front and covariant QED in the light-cone gauge. Physical Review D, 2016, 94, .	4.7	9
51	Transverse pion structure beyond leading twist in constituent models. European Physical Journal C, 2016, 76, 415.	3.9	21
52	Spin/Orbital Structure of the Nucleon from Wigner Distributions. International Journal of Modern Physics Conference Series, 2016, 40, 1660013.	0.7	1
53	LIGHT-CONE 2015: Theoretical and experimental challenges onto the Light-Front. Few-Body Systems, 2016, 57, 371-372.	1.5	0
54	Measurement of the beam-recoil polarization in low-energy virtual Compton scattering from the proton. Physical Review C, 2015, 92, .	2.9	8

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55	Generalized TMDs. International Journal of Modern Physics Conference Series, 2015, 37, 1560037.	0.7	1
56	Studying the information content of TMDs using Monte Carlo generators. Journal of Physics G: Nuclear and Particle Physics, 2015, 42, 034015.	3.6	4
57	Dispersion Representation of Deeply Virtual Compton Scattering. Few-Body Systems, 2015, 56, 267-273.	1.5	0
58	Unpolarized transverse momentum dependent parton distribution functions beyond leading twist in quark models. Journal of High Energy Physics, 2015, 2015, 1.	4.7	27
59	Phase-space distributions and orbital angular momentum. EPJ Web of Conferences, 2014, 73, 02013.	0.3	0
60	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
61	Wigner Distributions in Light-Front Quark Models. Few-Body Systems, 2014, 55, 287-296.	1.5	10
62	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
63	Twist-2 generalized transverse-momentum dependent parton distributions and the spin/orbital structure of the nucleon. Physical Review D, 2014, 90, .	4.7	48
64	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
65	Accessing the quark orbital angular momentum with Wigner distributions. , 2013, , .		0
66	Virtual Compton scattering and the generalized polarizabilities of the proton at $Q^2 = 1.76 \text{ GeV}^2$. Physical Review C, 2012, 86, .	2.9	15
67	WIGNER DISTRIBUTIONS AND QUARK ORBITAL ANGULAR MOMENTUM. International Journal of Modern Physics Conference Series, 2012, 20, 84-91.	0.7	4
68	Quark orbital angular momentum from Wigner distributions and light-cone wave functions. Physical Review D, 2012, 85, .	4.7	110
69	Transverse-Momentum Distributions and Spherical Symmetry. Few-Body Systems, 2012, 53, 117-124.	1.5	0
70	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
71	Quark phase-space distributions and orbital angular momentum. , 2012, , .		0
72	Origin of model relations among transverse-momentum dependent parton distributions. Physical Review D, 2011, 84, .	4.7	55

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73	Light-front transverse charge densities. Journal of Physics: Conference Series, 2011, 295, 012050.	0.4	0
74	Compton scattering from chiral dynamics with unitarity and causality. Nuclear Physics A, 2011, 866, 79-92.	1.5	31
75	Nucleon polarizabilities in real and virtual Compton scattering: Recent theoretical issues. European Physical Journal: Special Topics, 2011, 198, 269-285.	2.6	5
76	Quark Wigner distributions and orbital angular momentum. Physical Review D, 2011, 84, .	4.7	162
77	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
78	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
79	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
80	LIGHT-FRONT DENSITIES FOR TRANSVERSELY POLARIZED HADRONS. , 2011, , .		0
81	MODELING THE TRANSVERSE MOMENTUM DEPENDENT PARTON DISTRIBUTIONS. , 2011, , .		0
82	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
83	Higher order forward spin polarizability. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 687, 160-166.	4.1	26
84	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
85	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
86	Light-Front Interpretation of Proton Generalized Polarizabilities. Physical Review Letters, 2010, 104, 112001.	7.8	22
87	Sivers and Boer-Mulders functions in light-cone quark models. Physical Review D, 2010, 81, .	4.7	58
88	Reply to "Comment on "Polarizability of the pion: No conflict between dispersion theory and chiral perturbation theory" Physical Review C, 2010, 81, .	2.9	6
89	Longitudinal and Transverse Parton Momentum Distributions for Hadrons within Relativistic Constituent Quark Models. , 2010, , .		0
90	Pion polarizabilities: No conflict between dispersion theory and ChPT. , 2010, , .		0

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91	GTMDs in Light-Cone Models. , 2010, , .		0
92	TMDs and Azimuthal Spin Asymmetries in a Light-Cone Quark Model. , 2009, , .		1
93	Azimuthal spin asymmetries in light-cone constituent quark models. Physical Review D, 2009, 79, .	4.7	73
94	THE SPIN STRUCTURE OF THE NUCLEON IN LIGHT-CONE QUARK MODELS. Modern Physics Letters A, 2009, 24, 2903-2912.	1.2	17
95	PROBING THE PARTON CONTENT OF THE NUCLEON. Modern Physics Letters A, 2009, 24, 2882-2892.	1.2	7
96	Pion generalized parton distributions with covariant and light-front constituent quark models. Physical Review D, 2009, 80, .	4.7	66
97	Parton content of the nucleon from distribution amplitudes and transition distribution amplitudes. Physical Review D, 2009, 80, .	4.7	18
98	The structure of the nucleon from generalized parton distributions. , 2009, , .		0
99	NUCLEON TO PION TRANSITION DISTRIBUTION AMPLITUDES IN A LIGHT-CONE QUARK MODEL. , 2009, , .		0
100	A new measurement of the structure functions $PL_L - PTT/\hat{1}\mu$ and PL_T in virtual Compton scattering at $Q^2 = 0.33$ (GeV/c) ² . European Physical Journal A, 2008, 37, 1-8.	2.5	22
101	Transverse momentum dependent parton distributions in a light-cone quark model. Physical Review D, 2008, 78, .	4.7	128
102	Structure of the Nucleon Spin on the Light Cone. AIP Conference Proceedings, 2008, , .	0.4	2
103	Virtual Compton scattering measurements in the $\hat{1}^3N\hat{1}^{\uparrow}\hat{1}^{\uparrow}$ transition. Physical Review C, 2008, 78, .	2.9	14
104	Polarizability of the pion: No conflict between dispersion theory and chiral perturbation theory. Physical Review C, 2008, 77, .	2.9	14
105	Nucleon electroweak form factors in a meson-cloud model. , 2008, , 240-242.		0
106	Proton spin polarizabilities from polarized Compton scattering. Physical Review C, 2007, 76, .	2.9	41
107	Electroweak structure of the nucleon, meson cloud, and light-cone wave functions. Physical Review D, 2007, 76, .	4.7	42
108	Drell-Yan processes, transversity, and light-cone wave functions. Physical Review D, 2007, 76, .	4.7	43

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109	Generalized parton distributions in a meson cloud model. Nuclear Physics A, 2007, 782, 86-92.	1.5	16
110	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
111	Beam-helicity asymmetry in photon and pion electroproduction in the $\hat{\Gamma}^*(1232)$ -resonance region at $Q^2 = 0.35(\text{GeV}/c)^2$. European Physical Journal A, 2007, 32, 69-75.	2.5	15
112	Invariant amplitudes for pion electroproduction. European Physical Journal A, 2007, 34, 387-403.	2.5	14
113	A dispersive approach to pion photo- and electroproduction. Few-Body Systems, 2007, 41, 13-29.	1.5	4
114	CHIRAL-ODD GENERALIZED PARTON DISTRIBUTIONS, TRANSVERSITY AND DOUBLE TRANSVERSE-SPIN ASYMMETRY IN DRELLYAN DILEPTON PRODUCTION. , 2007, , .		0
115	DYNAMICAL POLARIZABILITIES OF THE NUCLEON. , 2007, , .		0
116	Extraction of proton form factors in the timelike region from single-polarized $e^+e^- \rightarrow \hat{\Gamma}^* p \hat{\Gamma}^-$ events. Physical Review D, 2006, 74, .	4.7	3
117	Virtual meson cloud of the nucleon and generalized parton distributions. Physical Review D, 2006, 73, .	4.7	37
118	Dispersion theory and the low-energy constants for neutral-pion photoproduction. European Physical Journal A, 2006, 27, 231-242.	2.5	15
119	Extraction of proton form factors in the timelike region from unpolarized $e^+e^- \rightarrow \hat{\Gamma}^* p \hat{\Gamma}^-$ events. Physical Review D, 2006, 74, .	4.7	6
120	Generalized parton distributions of the nucleon in constituent quark models. Nuclear Physics A, 2005, 755, 549-552.	1.5	0
121	The Fubini-Furlan-Rossetti sum rule revisited. European Physical Journal A, 2005, 23, 279-289.	2.5	16
122	Single spin asymmetries in elastic electron-nucleon scattering. European Physical Journal A, 2005, 24, 29-32.	2.5	7
123	Single spin asymmetries in elastic electron-nucleon scattering. , 2005, , 29-32.		0
124	Generalized Parton Distributions and Constituent Quark Models. AIP Conference Proceedings, 2005, , .	0.4	0
125	Nonperturbative versus perturbative effects in generalized parton distributions. Physical Review D, 2005, 71, .	4.7	20
126	Chiral-odd generalized parton distributions in constituent quark models. Physical Review D, 2005, 72, .	4.7	88

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127	New predictions for generalized spin polarizabilities from heavy baryon chiral perturbation theory. Physical Review D, 2004, 70, .	4.7	20
128	Resonance estimates for single spin asymmetries in elastic electron-nucleon scattering. Physical Review C, 2004, 70, .	2.9	55
129	Measurement of the Generalized Polarizabilities of the Proton in Virtual Compton Scattering at $Q^2=0.92$ and 1.76 GeV ² . Physical Review Letters, 2004, 93, 122001.	7.8	33
130	Signatures of chiral dynamics in low-energy Compton scattering off the nucleon. European Physical Journal A, 2004, 20, 293-315.	2.5	64
131	Helicity-dependent generalized parton distributions in constituent quark models. Nuclear Physics B, 2004, 680, 147-163.	2.5	47
132	Dispersion relations in real and virtual Compton scattering. Physics Reports, 2003, 378, 99-205.	25.6	209
133	Linking generalized parton distributions to constituent quark models. Nuclear Physics B, 2003, 649, 243-262.	2.5	84
134	FIXED-T AND FIXED-ANGLE DISPERSION RELATIONS FOR REAL COMPTON SCATTERING. , 2003, , .		0
135	Dispersion Relations in Virtual Compton Scattering. AIP Conference Proceedings, 2003, , .	0.4	1
136	Spin force dependence of the parton distributions: The ratio $F_2n(x,Q^2)/F_2p(x,Q^2)$. Physical Review D, 2002, 65, .	4.7	8
137	Virtual Compton scattering off the pseudoscalar meson octet. European Physical Journal D, 2001, 51, B135-B144.	0.4	0
138	Dispersion relation formalism for virtual Compton scattering off the proton. European Physical Journal A, 2001, 11, 185-208.	2.5	53
139	Dispersion relation formalism for real and virtual Compton scattering and nucleon polarizabilities. Nuclear Physics A, 2001, 684, 357-359.	1.5	0
140	Generalized dipole polarizabilities and the spatial structure of hadrons. Physical Review C, 2001, 64, .	2.9	39
141	Generalized polarizabilities of the proton in a constituent quark model revisited. Physical Review C, 2001, 63, .	2.9	21
142	DISPERSION ANALYSIS OF THE SPIN POLARIZABILITIES. , 2001, , .		0
143	DISPERSION ANALYSIS FOR GENERALIZED SPIN POLARIZABILITIES. , 2001, , .		0
144	Dispersion formalism for real and virtual Compton scattering. , 2001, , .		0

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145	Polarized structure functions of the nucleon in the resonance region. Nuclear Physics A, 2000, 666-667, 286-289.	1.5	1
146	Fixed-t subtracted dispersion relations for Compton scattering off the nucleon. Progress in Particle and Nuclear Physics, 2000, 44, 459-460.	14.4	0
147	Dispersion relation formalism for virtual Compton scattering and the generalized polarizabilities of the nucleon. Physical Review C, 2000, 62, .	2.9	18
148	Higher order polarizabilities of the proton. Physical Review C, 2000, 61, .	2.9	70
149	Fixed-t-subtracted dispersion relations for Compton scattering off the nucleon. Physical Review C, 1999, 61, .	2.9	65
150	Generalized polarizabilities and electroexcitation of the nucleon. Nuclear Physics A, 1999, 660, 57-68.	1.5	7
151	Dispersion Theoretical Analysis of the Nucleon Spin Polarizabilities. Few-Body Systems, 1999, , 335-338.	0.2	0
152	The nucleon Drell-Hearn-Gerasimov sum rule within a relativistic constituent quark model. Few-Body Systems, 1999, , 139-142.	0.2	0
153	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
154	Nucleon generalized polarizabilities within a relativistic constituent quark model. Physical Review C, 1998, 57, 2589-2596.	2.9	10
155	Photon electroproduction off nuclei in the $\hat{\Gamma}^*$ -resonance region. Nuclear Physics A, 1997, 613, 371-381.	1.5	0
156	Virtual Compton scattering off nuclei in the $\hat{\Gamma}^*$ -resonance region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 386, 29-32.	4.1	4
157	Nuclear Compton scattering in the $\hat{\Gamma}^*$ -resonance region with polarized photons. Nuclear Physics A, 1996, 598, 485-502.	1.5	10