

Paul E Reimer

List of Publications by Year in descending order

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120
papers

6,489
citations

81900

39
h-index

62596

80
g-index

125
all docs

125
docs citations

125
times ranked

6148
citing authors

#	ARTICLE	IF	CITATIONS
1	Measurement of the Neutron Radius of ^{208}Pb through Parity Violation in Electron Scattering. Physical Review Letters, 2012, 108, 112502.	7.8	482
2	Single-Spin Asymmetries in Semi-Inclusive Deep-Inelastic Scattering on a Transversely Polarized Hydrogen Target. Physical Review Letters, 2005, 94, 012002.	7.8	466
3	Improved measurement of the A^{-1} asymmetry in the nucleon sea. Physical Review D, 2001, 64, .	4.7	334
4	Accurate Determination of the Neutron Skin Thickness of ^{208}Pb through Parity-Violation in Electron Scattering. Physical Review Letters, 2021, 126, 172502.	7.8	323
5	Precise determination of the spin structure function g_1 of the proton, deuteron, and neutron. Physical Review D, 2007, 75, .	4.7	289
6	Measurement of the Light Antiquark Flavor Asymmetry in the Nucleon Sea. Physical Review Letters, 1998, 80, 3715-3718.	7.8	281
7	Observation of the Naive- T -Odd Sivers Effect in Deep-Inelastic Scattering. Physical Review Letters, 2009, 103, 152002.	7.8	260
8	Measurement of Differences between \bar{u} and \bar{d} Suppression in pA Collisions. Physical Review Letters, 2000, 84, 3256-3260.	7.8	245
9	Recoil Polarization Measurements of the Proton Electromagnetic Form Factor Ratio to Q^2 . Physical Review Letters, 2010, 104, 242301.	7.8	225
10	Charged pion form factor between Q^2 and Q^2 . Physical Review C, 2008, 78, .	2.9	187
11	New Measurements of the European Muon Collaboration Effect in Very Light Nuclei. Physical Review Letters, 2009, 103, 202301.	7.8	157
12	New Measurements of High-Momentum Nucleons and Short-Range Structures in Nuclei. Physical Review Letters, 2012, 108, 092502.	7.8	143
13	Parton Energy Loss Limits and Shadowing in Drell-Yan Dimuon Production. Physical Review Letters, 1999, 83, 2304-2307.	7.8	124
14	A^{-1} asymmetry and the origin of the nucleon sea. Physical Review D, 1998, 58, .	4.7	118
15	Pion parton distribution function in the valence region. Physical Review C, 2005, 72, .	2.9	112
16	Measurements of the Electric Form Factor of the Neutron up to Q^2 in the Reaction $^3\text{He}(e, e')n$. Physical Review Letters, 2010, 105, 262302.	7.8	110
17	Pion and kaon structure at the electron-ion collider. European Physical Journal A, 2019, 55, 1.	2.5	110
18	Multiplicities of charged pions and kaons from semi-inclusive deep-inelastic scattering by the proton and the deuteron. Physical Review D, 2013, 87, .	4.7	108

#	ARTICLE	IF	CITATIONS
19	Pinning the Repulsive Core of the Nucleon-Nucleon Interaction via the <code><mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo</code>		

#	ARTICLE	IF	CITATIONS
37	Spin density matrix elements in exclusive $\bar{p}n$ electroproduction on ^1H and ^2H targets at 27.5 GeV beam energy. European Physical Journal C, 2009, 62, 659-695.	3.9	44
38	Beam-helicity asymmetry arising from deeply virtual Compton scattering measured with kinematically complete event reconstruction. Journal of High Energy Physics, 2012, 2012, 1. http://www.w3.org/1998/Math/MathML	4.7	40
39	Electroproduction of π^0 mesons in the γp reaction at $Q^2 = 1.1$ GeV ² . Physical Review C, 2009, 79, 054001. http://www.w3.org/1998/Math/MathML	2.9	39
40	New Measurements of the Transverse Beam Asymmetry for Elastic Electron Scattering from Selected Nuclei. Physical Review Letters, 2012, 109, .	7.8	39
41	Cross section measurements of charged pion photoproduction in hydrogen and deuterium from 1.1 to 5.5 GeV. Physical Review C, 2005, 71, .	2.9	37
42	Observation of Polarization in Bottomonium Production at $\sqrt{s} = 38.8$ GeV. Physical Review Letters, 2001, 86, 2529-2532.	7.8	34
43	J/ψ Polarization in 800-GeV $p\bar{p}$ Collisions. Physical Review Letters, 2003, 91, 211801.	7.8	33
44	Multidimensional study of hadronization in nuclei. European Physical Journal A, 2011, 47, 1.	2.5	32
45	Determination of an effective radius from the gamma-ray multiplicities in fusion reactions. Physical Review C, 1986, 33, 379-381.	2.9	31
46	Longitudinal spin transfer to the Λ hyperon in semiinclusive deep-inelastic scattering. Physical Review D, 2006, 74, .	4.7	30
47	Nuclear-mass dependence of azimuthal beam-helicity and beam-charge asymmetries in deeply virtual Compton scattering. Physical Review C, 2010, 81, .	2.9	30
48	Measurement of the virtual-photon asymmetry A_2 and the spin-structure function g_2 of the proton. European Physical Journal C, 2012, 72, 1.	3.9	29
49	Exposing novel quark and gluon effects in nuclei. Journal of Physics G: Nuclear and Particle Physics, 2019, 46, 093001.	3.6	28
50	Measurement of the Nucleon Structure Function Ratio by the Jefferson Lab MARATHON Tritium/Helium-3 Deep Inelastic Scattering Experiment. Physical Review Letters, 2022, 128, 132003. http://www.w3.org/1998/Math/MathML	7.8	28
51	Study of the reaction $p + p \rightarrow p + p + \pi^0$ from 1.1 to 2.0 GeV/c. Physical Review D, 1998, 57, 5370-5381.	4.7	27
52	Neutral pion electroproduction in the resonance region at high Q^2 . Physical Review C, 2009, 80, . http://www.w3.org/1998/Math/MathML	2.9	26
53	Nuclear transparency with the $^3\text{He} \rightarrow \text{He} + p$ process in ^4He . Physical Review C, 2003, 68, .	2.9	25
54	Spectroscopy of ^6Li by electroproduction. Physical Review C, 2015, 91, . http://www.w3.org/1998/Math/MathML	2.9	25

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55	Angular Distributions for ^3He Bound States in the $^3\text{He}(e,e^2\text{K}^+)$ Reaction. <i>Physical Review Letters</i> , 2004, 93, 242501.	7.8	24
56	Double-Hadron Leptoproduction in the Nuclear Medium. <i>Physical Review Letters</i> , 2006, 96, 162301.	7.8	23
57	Measurements of Parity-Violating Asymmetries in Electron-Deuteron Scattering in the Nucleon Resonance Region. <i>Physical Review Letters</i> , 2013, 111, 082501.	7.8	23
58	Exploring the partonic structure of hadrons through the Drell-Yan process. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2007, 34, S107-S125.	3.6	22
59	Inclusive measurements of inelastic electron and positron scattering from unpolarized hydrogen and deuterium targets. <i>Journal of High Energy Physics</i> , 2011, 2011, 1.	4.7	22
60	Azimuthal single- and double-spin asymmetries in semi-inclusive deep-inelastic lepton scattering by transversely polarized protons. <i>Journal of High Energy Physics</i> , 2020, 2020, 1.	4.7	22
61	Measurement of the $\bar{p}^{\uparrow}\uparrow^{\uparrow}$ and $p^{\uparrow}\uparrow^{\uparrow}+c.c.$ reactions at 1.726 and 1.771 GeV/c. <i>Physical Review C</i> , 1996, 54, 2831-2842.	2.9	21
62	Scaling of the F_2 Structure Function in Nuclei and Quark Distributions at $x < 1$. <i>Physical Review Letters</i> , 2010, 105, 212502.	7.8	21
63	Search for an exotic $S=2, Q=2$ baryon resonance at a mass near 1862 MeV in quasireal photoproduction. <i>Physical Review D</i> , 2005, 71, .	4.7	20
64	Measurement of parity-violating asymmetry in electron-deuteron inelastic scattering. <i>Physical Review C</i> , 2015, 91, .	2.9	20
65	Measurements of the separated longitudinal structure function F_L from hydrogen and deuterium targets at low x . <i>Physical Review C</i> , 2018, 97, .	2.9	20
66	The sea of quarks and antiquarks in the nucleon. <i>Reports on Progress in Physics</i> , 2019, 82, 046301.	20.1	20
67	Measurement of the EMC effect in light and heavy nuclei. <i>Physical Review C</i> , 2021, 104, .	2.9	20
68	Production for $p^{\uparrow}p^{\uparrow}$ and $p^{\uparrow}d^{\uparrow}$ Interactions	7.8	19
69	Semi-inclusive charged-pion electroproduction off protons and deuterons: Cross sections, ratios, and access to the quark-parton model at low energies. <i>Physical Review C</i> , 2012, 85, .	2.9	19
70	High-resolution hypernuclear spectroscopy at Jefferson Lab, Hall A. <i>Physical Review C</i> , 2019, 99, .	2.9	19
71	Recoil-Proton Polarization in High-Energy Deuteron Photodisintegration with Circularly Polarized Photons. <i>Physical Review Letters</i> , 2007, 98, 182302.	7.8	18
72	Spin density matrix elements in exclusive ω electroproduction on ^1H and ^2H H targets at 27.5 GeV beam energy. <i>European Physical Journal C</i> , 2014, 74, 1.	3.9	18

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73	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab. <i>European Physical Journal A</i> , 2021, 57, 1.	2.5	17
74	Transverse polarization of Λ hyperons in quasireal photoproduction. <i>Physical Review D</i> , 2007, 76, .	4.7	16
75	Separated kaon electroproduction cross section and the kaon form factor from 6 GeV JLab data. <i>Physical Review C</i> , 2018, 97, .	2.9	16
76	Probing Few-Body Nuclear Dynamics via H^3 and H^4 Electroproduction. <i>Physical Review Letters</i> , 2021, 127, 150201.	7.8	16
77	Ratios of helicity amplitudes for exclusive Λ electroproduction. <i>European Physical Journal C</i> , 2011, 71, 1.	3.9	15
78	Unique Access to u -Channel Physics: Exclusive Backward-Angle Omega Meson Electroproduction. <i>Physical Review Letters</i> , 2019, 123, 182501.	7.8	15
79	Search for three-nucleon short-range correlations in light nuclei. <i>Physical Review C</i> , 2018, 97, .	2.9	14
80	Measurement of the Λ production reaction from 0.6 to 1.9 GeV/c. <i>Physical Review D</i> , 1997, 56, 3803-3810.	4.7	13
81	Opportunities with Drell-Yan Scattering at Fermilab. <i>Journal of Physics: Conference Series</i> , 2011, 295, 012011.	0.4	13
82	Quasifree Λ , Λ^0 , and Λ^+ electroproduction from $H^1,2, He^3,4$, and carbon. <i>Physical Review C</i> , 2007, 76, .	2.9	11
83	Novel observation of isospin structure of short-range correlations in calcium isotopes. <i>Physical Review C</i> , 2020, 102, .	2.9	11
84	Polarization Components in Λ Photoproduction at Photon Energies up to 5.6 GeV. <i>Physical Review Letters</i> , 2012, 108, 222004.	7.8	9
85	Deep Exclusive Electroproduction of Λ at High Q^2 in the Quark-Meson Regime. <i>Physical Review Letters</i> , 2021, 127, 150201.	7.8	9
86	New Measurements of the Beam-Normal Single Spin Asymmetry in Elastic Electron Scattering over a Range of Spin-0 Nuclei. <i>Physical Review Letters</i> , 2022, 128, 142501.	7.8	9
87	Structure of the Goldstone bosons. <i>AIP Conference Proceedings</i> , 2001, , .	0.4	8
88	The cross-section measurement for the $3H(e, e')K^+n$ reaction. <i>Progress of Theoretical and Experimental Physics</i> , 2022, 2022, .	6.6	8
89	Form Factors and Two-Photon Exchange in High-Energy Elastic Electron-Proton Scattering. <i>Physical Review Letters</i> , 2022, 128, 102002.	7.8	8
90	Ratios of helicity amplitudes for exclusive Λ electroproduction on transversely polarized protons. <i>European Physical Journal C</i> , 2017, 77, 1.	3.9	7

#	ARTICLE	IF	CITATIONS
91	Search for $\Lambda(1520)$, $\Lambda(1520)$, and $\Lambda(1520)$ pentaquark states. Physical Review C, 2007, 75, .	2.9	6
92	Separated Response Function Ratios in Exclusive, Forward γ -Electroproduction. Physical Review Letters, 2014, 112, 182501.	7.8	6
93	Opportunities with Drell-Yan scattering: Probing sea quarks in the nucleon and nuclei. European Physical Journal A, 2007, 31, 593-596.	2.5	5
94	Transverse-target-spin asymmetry in exclusive Ω -meson electroproduction. European Physical Journal C, 2015, 75, 1.	3.9	5
95	DIS-Parity: Measuring $\sin^2(\hat{\Gamma}, W)$ with Parity Violating Deep Inelastic Scattering. AIP Conference Proceedings, 2004, , .	0.4	4
96	The Partonic Structure of the Pion at Large-x. AIP Conference Proceedings, 2011, , .	0.4	4
97	Beam-helicity asymmetry in associated electroproduction of real photons $e p \rightarrow e \gamma \pi^0 n$ in the $\hat{\Gamma}$ -resonance region. Journal of High Energy Physics, 2014, 2014, 1.	4.7	4
98	6 GeV Parity Violating Deep Inelastic Scattering at Jefferson Laboratory. , 2011, , .		3
99	Sea Quarks in the Proton. EPJ Web of Conferences, 2016, 113, 05012.	0.3	3
100	Separated response functions in exclusive, forward γ -electron scattering on deuterium. Physical Review C, 2015, 91, .	0.4	3
101	Results from $\gamma p \rightarrow \pi^0 \pi^0 p$. Il Nuovo Cimento A, 1994, 107, 2329-2337.	0.2	1
102	761c-764c.	1.5	1
103	Measurement of the Absolute Drell-Yan Dimuon Cross Section in 800 GeV/c Proton-Proton and Proton-Deuterium Collisions. AIP Conference Proceedings, 2004, , .	0.4	1
104	Publisher's Note: Angular Distributions for $\Lambda(1520)$ Bound States in the $\text{He}^3, 4(e, e^2 K^+)$ Reaction [Phys. Rev. Lett. 93, 242501 (2004)]. Physical Review Letters, 2004, 93, .	7.8	1
105	Opportunities with Drell-Yan scattering: Probing the sea quark distributions of the proton. AIP Conference Proceedings, 2006, , .	0.4	1
106	Bose-Einstein correlations in hadron-pairs from lepto-production on nuclei ranging from hydrogen to xenon. European Physical Journal C, 2015, 75, 1.	3.9	1
107	A preliminary measurement of the . , 1997, , .		0
108	$\hat{\Gamma}$, $\hat{\Gamma}^2$ and Drell-Yan nuclear dependence in 800 GeV/c p-A collisions.. AIP Conference Proceedings, 2000, , .	0.4	0

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109	Measurement of Drell-Yan cross sections and flavor asymmetry in the nucleon sea. AIP Conference Proceedings, 2000, , .	0.4	0
110	Measurement of polarization observables in $\bar{\nu}$ and $\bar{\nu}$ production with 800 GeV p+Cu collisions. AIP Conference Proceedings, 2002, , .	0.4	0
111	Electroproduction of strangeness on $[\text{sub } \hat{\nu}] [\text{sup } 3,4]\text{H}$ bound states on Helium. AIP Conference Proceedings, 2005, , .	0.4	0
112	Measurement of Decay Angular Distributions of Drell-Yan Events for $p\bar{\nu}$ d Interaction at 800 GeV/c. AIP Conference Proceedings, 2006, , .	0.4	0
113	$e\bar{\nu}$ — $[\text{sup } 2]\text{H}$ Parity Violating Deep Inelastic Scattering at Jefferson Laboratory at 6 GeV. , 2009, , .		0
114	Measuring the flavor asymmetry in the sea quarks of the proton with the Drell-Yan process. Physica E: Low-Dimensional Systems and Nanostructures, 2011, 43, 815-819.	2.7	0
115	EM Calorimeters for SoLID at Jefferson Lab. Journal of Physics: Conference Series, 2012, 404, 012020.	0.4	0
116	Measuring $\sin^2 \hat{\nu}_W$ with parity violation in deep inelastic scattering with baseline spectrometers at JLab 12 GeV. , 2007, , 217-220.		0
117	Res-Parity: Parity violation in inelastic scattering at low Q^2 . , 2007, , 227-231.		0
118	Measuring the flavor asymmetry in the sea quarks of the proton. , 2010, , .		0
119	Opportunities with Drell-Yan scattering: Probing sea quarks in the nucleon and nuclei. , 2007, , 245-248.		0
120	Probing for high-momentum protons in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle \langle \text{mml:mn} \rangle 4 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ via the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:none} \rangle$		