

# Alexandre Deur

## List of Publications by Year in descending order

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311  
papers

13,283  
citations

19655

61  
h-index

32838

100  
g-index

315  
all docs

315  
docs citations

315  
times ranked

4986  
citing authors

#	ARTICLE	IF	CITATIONS
1	GEp/GMpRatio by Polarization Transfer in $^3\text{He}$ . Physical Review Letters, 2000, 84, 1398-1402.	7.8	665
2	Measurement of the Neutron Radius of $^{208}\text{Pb}$ through Parity Violation in Electron Scattering. Physical Review Letters, 2012, 108, 112502.	7.8	482
3	Proton elastic form factor ratios to $Q^2=3.5\text{GeV}^2$ by polarization transfer. Physical Review C, 2005, 71, .	2.9	313
4	Differential cross sections for $^3\text{He} \rightarrow \text{K}^+ + \text{Y}$ for $\Lambda$ and $\Sigma^0$ hyperons. Physical Review C, 2006, 73, .	2.9	255
5	Momentum sharing in imbalanced Fermi systems. Science, 2014, 346, 614-617.	12.6	233
6	Basic instrumentation for Hall A at Jefferson Lab. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 522, 294-346.	1.6	215
7	Precision Measurement of the Weak Mixing Angle in $\text{M}^3\text{ller}$ Scattering. Physical Review Letters, 2005, 95, 081601.	7.8	212
8	A small proton charge radius from an $e\text{-}p$ scattering experiment. Nature, 2019, 575, 147-150.	27.8	210
9	The QCD running coupling. Progress in Particle and Nuclear Physics, 2016, 90, 1-74.	14.4	200
10	Electroexcitation of nucleon resonances from CLAS data on single pion electroproduction. Physical Review C, 2009, 80, .	2.9	199
11	Single Spin Asymmetries in Charged Pion Production from Semi-Inclusive Deep Inelastic Scattering on a Transversely Polarized $^3\text{He}$ Target at $Q^2 > 2$ GeV. Physical Review Letters, 2007, 98, 032301.	7.8	183
12	Parity-violating electroweak asymmetry in $e\text{-}p$ scattering. Physical Review C, 2004, 69, .	2.9	181
13	Precision Measurements of the Nucleon Strange Form Factors at $Q^2 \approx 0.1$ GeV. Physical Review Letters, 2007, 98, 032301.	7.8	180
14	Precision measurement of the neutron spin asymmetries and spin-dependent structure functions in the valence quark region. Physical Review C, 2004, 70, .	2.9	155
15	Measurement of Deeply Virtual Compton Scattering Beam-Spin Asymmetries. Physical Review Letters, 2008, 100, 162002.	7.8	153
16	Scaling Tests of the Cross Section for Deeply Virtual Compton Scattering. Physical Review Letters, 2006, 97, 262002.	7.8	150
17	Nonperturbative QCD coupling and its $Q^2$ function from light-front holography. Physical Review D, 2010, 81, .	4.7	150
18	Differential cross section and recoil polarization measurements for the $^3\text{He} \rightarrow \text{K}^+ + \text{p}$ using CLAS at Jefferson Lab. Physical Review C, 2010, 81, .	2.9	145



#	ARTICLE	IF	CITATIONS
37	Measurements of the Deuteron Elastic Structure Function $A(Q^2)$ for $0.7 \leq Q^2 \leq 6.0$ (GeV/c) <sup>2</sup> at Jefferson Laboratory. Physical Review Letters, 1999, 82, 1374-1378.	7.8	90
38	Measurement of the $N\pi^+\pi^+(1232)$ Transition at High-Momentum Transfer by $\gamma$ Electroproduction. Physical Review Letters, 2006, 97, 112003.	7.8	90
39	Determination of the effective strong coupling constant $\alpha_s$ of the $\gamma^* \rightarrow \pi^0 \pi^0$ transition at high momentum transfer. Physical Review Letters, 2006, 97, 112003.	7.8	86
40	Measurement of the $\gamma^* \rightarrow \pi^0 \pi^0$ transition at high momentum transfer. Physical Review Letters, 2006, 97, 112003.	7.8	86
41	Physical Review Letters, 2012, 108, 102001.	7.8	83
42	New Measurement of the $\gamma^* \rightarrow \pi^0 \pi^0$ transition at high momentum transfer. Physical Review Letters, 2011, 106, 162303.	7.8	81
43	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. Physical Review Letters, 2019, 122, 172502.	7.8	80
44	$\gamma$ photoproduction on the proton for photon energies from 0.675 to 2.875 GeV. Physical Review C, 2007, 76, .	2.9	79
45	Measurement of Single- and Double-Spin Asymmetries in Deep Inelastic Pion Electroproduction with a Longitudinally Polarized Target. Physical Review Letters, 2010, 105, 262002.	7.8	79
46	Experimental Determination of the Evolution of the Bjorken Integral at Low $Q^2$ . Physical Review Letters, 2004, 93, 212001.	7.8	78
47	Precise Measurement of the Neutron Magnetic Form Factor $G_M^n(Q^2)$ in the Few-GeV Region. Physical Review Letters, 2009, 103, 102001.	7.8	78
48	Differential cross sections and recoil polarizations for the reaction $\gamma^* p \rightarrow \pi^+ n$ . Physical Review C, 2010, 82, .	2.9	78
49	Plane-wave impulse approximation extraction of the neutron magnetic form factor from quasielastic $^3\text{He}(\pi^+, \pi^0)$ at $Q^2 = 0.3$ to $0.6$ (GeV/c) <sup>2</sup> . Physical Review C, 2003, 67, .	2.9	77
50	The CLAS12 Spectrometer at Jefferson Laboratory. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 959, 163419.	1.6	75
51	$Q^2$ Evolution of the Generalized Gerasimov-Drell-Hearn Integral for the Neutron using a $^3\text{He}$ Target. Physical Review Letters, 2002, 89, 242301.	7.8	73
52	Cross Sections for the Exclusive Photon Electroproduction on the Proton and Generalized Parton Distributions. Physical Review Letters, 2015, 115, 212003.	7.8	73
53	Differential photoproduction cross sections of the $\gamma^* p \rightarrow \pi^+ n$ reaction. Physical Review C, 2013, 88, .	2.9	72
54	Towards a Resolution of the Proton Form Factor Problem: New Electron and Positron Scattering Data. Physical Review Letters, 2015, 114, 062003.	7.8	71

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55	Search for $\Lambda(1540)$ Pentaquark in High-Statistics Measurement of $\bar{p}^3\text{p}^{\text{K}^0\text{K}^+\text{nat}}$ CLAS. Physical Review Letters, 2006, 96, 042001.	7.8	69
56	Q2 Evolution of the Neutron Spin Structure Moments using a He3 Target. Physical Review Letters, 2004, 92, 022301.	7.8	68
57	Search for Medium Modifications of the $\rho$ Meson. Physical Review Letters, 2007, 99, 262302.	7.8	68
58	The spin structure of the nucleon. Reports on Progress in Physics, 2019, 82, 076201.	20.1	67
59	Dynamical Relativistic Effects in Quasielastic 1p-Shell Proton Knockout from O16. Physical Review Letters, 2000, 84, 3265-3269.	7.8	66
60	Absorption of the $\rho$ Mesons in Nuclei. Physical Review Letters, 2010, 105, 112301.	7.8	66
61	Measurement of the structure function of the nearly free neutron using spectator tagging in inelastic $e^+p \rightarrow e^+n^+ + \dots$ Physical Review C, 2008, 78, .	2.9	65
62	E00-110 experiment at Jefferson Lab Hall A: Deeply virtual Compton scattering off the proton at 6 GeV. Physical Review C, 2015, 92, .	2.9	58
63	Light vector mesons in the nuclear medium. Physical Review C, 2008, 78, .	2.9	57
64	Cross sections and beam asymmetries for $e^+p \rightarrow e^+n^+ + \dots$ in the nucleon resonance region for $1.7 \leq Q^2 \leq 4.5 \text{ GeV}^2$ . Physical Review C, 2008, 77, .	2.9	56
65	Measurement of the structure function of the nearly free neutron using spectator tagging in inelastic $e^+p \rightarrow e^+n^+ + \dots$ Physical Review C, 2008, 77, .		

#	ARTICLE	IF	CITATIONS
73	Analysis of nucleon electromagnetic form factors from light-front holographic QCD: The spacelike region. Physical Review D, 2017, 95, .	4.7	51
74	Measurement of Exclusive $\bar{p} \rightarrow \bar{p} + \pi^0$ Electroproduction Structure Functions and their Relationship to Transverse Generalized Parton Distributions. Physical Review Letters, 2012, 109, 112001.	7.8	50
75	Polarization transfer in the $^{16}\text{O}(e, e'p)^{15}\text{N}$ reaction. Physical Review C, 2000, 62, .	2.9	49
76	Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\bar{p} \rightarrow \bar{p} + \pi^0$ . Physical Review C, 2014, 89, .	2.9	49
77	Measurement of the beam asymmetry $\hat{\Sigma}$ for $\bar{p} \rightarrow \bar{p} + \pi^0$ photoproduction on the proton at $E_{\gamma} = 9$ GeV. Physical Review C, 2017, 95, .	2.9	49
78	Exclusive $\bar{p} \rightarrow \bar{p} + \pi^0$ electroproduction on the proton at CLAS. European Physical Journal A, 2009, 39, 5-31.	2.5	48
79	Measurements of $\bar{p} \rightarrow \bar{p} + \pi^0$ and extraction of nucleon. Physical Review C, 2015, 91, .	4.8	48
80	Effect of Orbital Angular Momentum on Valence-Quark Helicity Distributions. Physical Review Letters, 2007, 99, 082001.	7.8	47
81	Connecting the hadron mass scale to the fundamental mass scale of quantum chromodynamics. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 750, 528-532.	4.1	47
82	The Heavy Photon Search test detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2015, 777, 91-101.	1.6	46
83	Rosenbluth Separation of the $\bar{p} \rightarrow \bar{p} + \pi^0$ Electroproduction Cross Section. Physical Review Letters, 2016, 117, 262001.	7.8	46
84	Photoproduction of $\bar{p} \rightarrow \bar{p} + \pi^0$ and hyperons using linearly polarized photons. Physical Review C, 2016, 93, .	2.9	46
85	Beam-Helicity Asymmetries in Double-Charged-Pion Photoproduction on the Proton. Physical Review Letters, 2005, 95, 162003.	7.8	45
86	Beam-Target Double-Spin Asymmetry $A_{LT}$ in Charged Pion Production from Deep Inelastic Scattering on a Transversely Polarized $^3\text{He}$ . Physical Review Letters, 2005, 95, 162003.	7.8	45
87	Measurement of the polarized structure function $\bar{p} \rightarrow \bar{p} + \pi^0$ and $\bar{p} \rightarrow \bar{p} + \pi^0$ evolution of the Bjorken sum. Physical Review D, 2014, 90, .	4.1	44
88	High precision determination of the $\bar{p} \rightarrow \bar{p} + \pi^0$ evolution of the Bjorken sum. Physical Review D, 2014, 90, .	4.7	44
89	Measurement of the polarized structure function $\bar{p} \rightarrow \bar{p} + \pi^0$ in the $(1232)$ resonance region. Physical Review C, 2004, 70, .	2.9	42
90	Quark-hadron duality in spin structure functions $g_1$ and $g_1^d$ . Physical Review C, 2007, 75, .	2.9	42



#	ARTICLE	IF	CITATIONS
109	A glimpse of gluons through deeply virtual compton scattering on the proton. Nature Communications, 2017, 8, 1408.	12.8	36
110	Higher twists and color polarizabilities in the neutron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 613, 148-153.	4.1	35
111	Search for the $\Lambda^+$ Pentaquark in the $\Lambda^+ \rightarrow p \pi^0 K^+$ Reaction Measured with the CLAS Spectrometer. Physical Review Letters, 2006, 97, 032001.	7.8	35
112	Cascade production in the reactions $\Lambda^+ \rightarrow p \pi^0 K^+$ and $\Lambda^+ \rightarrow n \pi^+ K^+$ . Physical Review Letters, 2006, 97, 032001.	7.8	35
113	Partial wave analysis of the reaction $\Lambda^+ \rightarrow p \pi^0 K^+$ and the search for nucleon resonances. Physical Review C, 2009, 80, .	2.9	34
114	Measurement of the Differential Cross Section for the Reaction $\Lambda^+ \rightarrow p \pi^0 K^+$ from Deuterium. Physical Review Letters, 2009, 103, 012301.	7.8	34
115	Single spin asymmetries in charged kaon production from semi-inclusive deep inelastic scattering on a transversely polarized $^3\text{He}$ target. Physical Review C, 2014, 90, .	2.9	34
116	Measurement of the Generalized Polarizabilities of the Proton in Virtual Compton Scattering at $Q^2=0.92$ and $1.76 \text{ GeV}^2$ . Physical Review Letters, 2004, 93, 122001.	7.8	33
117	Differential cross section of $\Lambda^+ \rightarrow p \pi^0 K^+$ on bound neutrons with incident photons from 1.1 to 3.6 GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 688, 289-293.	2.9	33
118	Precision measurements of $G_1$ of the proton and of the deuteron with 6 GeV electrons. Physical Review C, 2014, 90, .	2.9	33
120	First measurement of the helicity asymmetry $E$ in photoproduction on the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 755, 64-69.	4.1	33
121	Search for a dark photon in electroproduced $e^+e^-$ pairs with the Heavy Photon Search experiment at Belle. Physical Review D, 2018, 98, .	4.7	33
122	Photon beam asymmetry $\Sigma$ for $\Lambda^+$ and $\Lambda^+ \pi^0$ photoproduction from the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 213-221.	4.1	32
123	Measurement of the Generalized Forward Spin Polarizabilities of the Neutron. Physical Review Letters, 2004, 93, 152301.	7.8	31
124	Radiative decays of the $\Lambda(1385)$ and $\Lambda(1520)$ hyperons. Physical Review C, 2005, 71, .	2.9	31
125	Cross sections for the reactions $\Lambda^+ \rightarrow p \pi^0 K^+$ and $\Lambda^+ \rightarrow n \pi^+ K^+$ . Physical Review C, 2007, 75, .	2.9	31
126	Beam spin asymmetries in deeply virtual Compton scattering (DVCS) with CLAS at 4.8 GeV. Physical Review C, 2009, 80, .	2.9	31



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127	Search for the Photoexcitation of Exotic Mesons in the $\gamma p \rightarrow \pi^0 p$ reaction. Physical Review Letters, 2009, 102, 102002.	7.8	31
128	Photoproduction of $\pi^0$ mesons on the proton. Physical Review D, 2009, 80, .	7.8	31
129	$\pi^0$ -meson photoproduction on hydrogen in the neutral decay mode. Physical Review C, 2014, 89, .	2.9	31
130	Dynamics of the quasielastic $O^{16}(e, e'p)$ reaction at $Q^2 \approx 0.8$ (GeV/c) $^2$ . Physical Review C, 2004, 70, .	2.9	30
131	Precise measurements of beam spin asymmetries in semi-inclusive $\pi^0$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, Exclusive	4.1	30
132	at $W > 2$ GeV. Physical Review C, 2014, 90, .	2.9	30
133	Toward the 3D Tomography of Nuclei. Physical Review Letters, 2017, 119, 202004.	7.8	30
134	Determination of the proton spin structure functions for $0.05 < Q^2 < 5$ GeV $^2$ using CLAS. Physical Review C, 2017, 96, .	2.9	30
135	Publisher's Note: Measurement of the Neutron First measurement of the polarization observable $E_n$ in the $\gamma p \rightarrow \pi^0 p$ reaction. Physical Review Letters, 2012, 108, 142001 (2012)]. Physical Review	7.8	29
136	stretchy="false">â†' </mml:mo> </mml:mrow> </mml:mover> </mml:math>		

#	ARTICLE	IF	CITATIONS
145	Measurement of the differential and total cross sections of the $\pi^+p$ reaction within the resonance region. Physical Review C, 2017, 96, .	2.9	26
146	Backward electroproduction of $\rho^0$ mesons on protons in the region of nucleon resonances at four momentum transfer squared $Q^2=1.0\text{GeV}^2$ . Physical Review C, 2004, 69, .	2.9	25
147	Polarization Transfer in Proton Compton Scattering at High Momentum Transfer. Physical Review Letters, 2005, 94, .	7.8	25
148	Measurement of Direct $\pi^+p$ Reaction at $Q^2=0.0$ and $Q^2=0.0$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 617 Td (stretchy="false")</math></td></tr></tbody></table>		

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163	Proton Source Size Measurements in the $\alpha^2p$ Reaction. Physical Review Letters, 2004, 93, 192301.	7.8	21
164	Measurement of coherent $\bar{\Lambda}$ -meson photoproduction from the deuteron at low energies. Physical Review C, 2007, 76, .	2.9	21
165	Spin-Dependent Cross Sections and Sum Rule for the $\Lambda(1520)$ Resonance. Physical Review Letters, 2008, 101, 072001.	7.8	21
166	Electromagnetic Decay of the $\Lambda(1520)$ Resonance. Physical Review Letters, 2008, 101, 072001.	4.7	21
167	Demonstration of a novel technique to measure two-photon exchange effects in elastic $eN$ scattering. Physical Review C, 2013, 88, .	2.9	21
168	Precision measurement of the neutral pion lifetime. Science, 2020, 368, 506-509.	12.6	21
169	Measurement of the polarized structure function $F_{LT}$ for pion electroproduction in the Roper-resonance region. Physical Review C, 2005, 72, .	2.9	20
170	Measurement of the deuteron structure function $F_2$ in the resonance region and evaluation of its moments. Physical Review C, 2006, 73, .	2.9	20
171	First measurement of target and double spin asymmetries for $\pi^0$ in the nucleon resonance region above the $\Delta(1232)$ . Physical Review C, 2008, 78, .	2.9	20
172	Development of a flocculation sub-model for a 3-D CFD model based on rectangular settling tanks. Water Science and Technology, 2011, 63, 213-219.	2.5	20
173	Precision Measurement of the Neutron Twist-3 Matrix Element $d_2$ . Physical Review Letters, 2014, 113, 022002.	7.8	20
174	Measurement of parity-violating asymmetry in electron-deuteron inelastic scattering. Physical Review C, 2015, 91, .	2.9	20
175	Implications of the principle of maximum conformality for the QCD strong coupling. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 98-104.	4.1	20
176	Nonperturbative strange-quark sea from lattice QCD, light-front holography, and meson-baryon fluctuation models. Physical Review D, 2018, 98, .	4.7	20
177	First results on nucleon resonance photocouplings from the $\gamma^*p \rightarrow \Lambda(1520)p$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 371-379.	4.1	20
178	Differential cross section measurements for $\gamma^*p \rightarrow \Lambda(1520)p$ above the first nucleon resonance region. Physical Review C, 2017, 96, .	2.9	19
179	First Measurement of Timelike Compton Scattering. Physical Review Letters, 2021, 127, 262501.	7.8	19
180	Dynamics of the $^{16}\text{O}(e,e^2p)$ Reaction at High Missing Energies. Physical Review Letters, 2001, 86, 5670-5674.	7.8	18

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181	Recoil-Proton Polarization in High-Energy Deuteron Photodisintegration with Circularly Polarized Photons. <i>Physical Review Letters</i> , 2007, 98, 182302.	7.8	18
182	Deep exclusive $\bar{\nu}e^+$ electroproduction off the proton at CLAS. <i>European Physical Journal A</i> , 2013, 49, 1.	2.5	18
183	Separated structure functions for exclusive $\bar{\nu}e^+p \rightarrow \bar{\nu}e^+p\gamma$ at 5.5 GeV measured with CLAS. <i>Physical Review C</i> , 2013, 87, 054001.	2.9	18
184	Anammox moving bed biofilm reactor pilot at the 26th Ward wastewater treatment plants in Brooklyn, New York: start-up, biofilm population diversity and performance optimization. <i>Water Science and Technology</i> , 2014, 70, 1448-1455.	2.5	18
185	$12C(e,e'pN)$ measurements of short range correlations in the tensor-to-scalar interaction transition region. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 820, 136523.	4.1	18
186	Evidence for a backward peak in the $\bar{\nu}d \rightarrow \bar{\nu}p n$ cross section near the $\bar{\nu}p$ threshold. <i>European Physical Journal A</i> , 2010, 43, 261-267.	2.5	17
187	Critical modeling parameters identified for 3D CFD modeling of rectangular final settling tanks for New York City wastewater treatment plants. <i>Water Science and Technology</i> , 2012, 65, 1087-1094.	2.5	17
188	Cross sections for the $\bar{\nu}p \rightarrow \bar{\nu}n p$ and $\bar{\nu}n \rightarrow \bar{\nu}p n$ reactions at $Q^2 = 0.16 \text{ GeV}^2$ . <i>Physical Review C</i> , 2013, 87, 054002.	2.9	17
189	Scattering on a polarized $^3\text{He}$ target. <i>Physical Review C</i> , 2014, 90, 054001.	2.9	17
190	The Light-Front Schrödinger Equation and the Determination of the Perturbative QCD Scale from Color Confinement: A First Approximation to QCD. <i>Few-Body Systems</i> , 2015, 56, 621-632.	1.5	17
191	Exclusive photoproduction of $\bar{\nu}e^+p \rightarrow \bar{\nu}e^+p\gamma$ up to large values of Mandelstam variables $s$ and $t$ at CLAS. <i>Physical Review C</i> , 2017, 95, 054001.	2.9	17
192	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
193	Determination of $\overline{\Lambda}(\Lambda)$ at five loops from holographic QCD. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2017, 44, 105005.	3.6	16
194	Exclusive $\bar{\nu}e^+p \rightarrow \bar{\nu}e^+p\gamma$ electroproduction at $Q^2 = 0.16 \text{ GeV}^2$ with CLAS and Monte Carlo distributions. <i>Physical Review C</i> , 2017, 95, 054001.	2.9	16
195	Dependence of the Deuteron Spin Structure Function $g_1^D$ and its Moments at Low $Q^2$ . <i>Physical Review C</i> , 2012, 86, 054001.	7.8	16
196	Deeply virtual Compton scattering off the neutron. <i>Nature Physics</i> , 2020, 16, 191-198.	16.7	16
197	Virtual Compton scattering and the generalized polarizabilities of the proton at $Q^2 = 1.76 \text{ GeV}^2$ . <i>Physical Review C</i> , 2012, 86, 054001.	2.9	15
198	Publisher's Note: Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\bar{\nu}p \rightarrow \bar{\nu}n p$ [Phys. Rev. C89, 055208 (2014)]. <i>Physical Review C</i> , 2014, 90, 054001.	2.9	15

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199	Search for baryon-number and lepton-number violating decays of $\Lambda$ hyperons using the CLAS detector at Jefferson Laboratory. Physical Review D, 2015, 92, .	4.7	15
200	Exploring the Structure of the Bound Proton with Deeply Virtual Compton Scattering. Physical Review Letters, 2019, 123, 032502.	7.8	15
201	Measurement of nuclear transparency ratios for protons and neutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134792.	4.1	15
202	Bayesian Analysis of Pentaquark Signals from CLAS Data. Physical Review Letters, 2008, 100, 052001.	7.8	14
203	Implications of graviton-graviton interaction to dark matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 676, 21-24.	4.1	14
204	Near-threshold photoproduction of $\rho$ mesons from deuterium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 338-342.	4.1	14
205	A relation between the dark mass of elliptical galaxies and their shape. Monthly Notices of the Royal Astronomical Society, 2014, 438, 1535-1551.	4.4	14
206	Strangeness Suppression of $\Lambda$ -Creation Observed in Exclusive Reactions. Physical Review Letters, 2014, 113, 152004.	7.8	14
207	A portable cryostat for the cold transfer of polarized solid HD targets: HDice-I. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 737, 107-116.	1.6	14
208	Differential cross sections and polarization observables from CLAS $\gamma$ photoproduction and the search for new $N^*$ states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 142-150.	4.1	14
209	Self-interacting scalar fields at high-temperature. European Physical Journal C, 2017, 77, 1.	3.9	14
210	Hard exclusive pion electroproduction at backward angles with CLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 340-345.	4.1	14
211	Measurement of the proton spin structure at long distances. Nature Physics, 2021, 17, 736-741.	16.7	14
212	Rosenbluth Separation of the $\sigma_{\text{off}}^{\text{ep}}$ Electroproduction Cross Section Off the Neutron. Physical Review Letters, 2017, 118, 222002.	7.8	14
213	Search for $\Lambda$ Pentaquarks in the Exclusive Reaction $\gamma p \rightarrow K^+ \Lambda$ . Physical Review Letters, 2006, 97, 102001.	7.8	13
214	A cryostat to hold frozen-spin polarized HD targets in CLAS: HDice-II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 815, 31-41.	1.6	13
215	Measurement of the helicity asymmetry $A_{\text{LT}}$ in $\gamma$ photoproduction. Physical Review C, 2017, 96, .	2.9	13
216	Revealing Color Forces with Transverse Polarized Electron Scattering. Physical Review Letters, 2019, 122, 022002.	7.8	13

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217	Extraction of Beam-Spin Asymmetries from the Hard Exclusive $\gamma p \rightarrow \gamma n$ Channel off Protons in a Wide Range of Kinematics. Physical Review Letters, 2020, 125, 182001.	7.8	13
218	Measurement of the $^3\text{He}$ spin-structure functions and of neutron ( $^3\text{He}$ ) spin-dependent sum rules at $0.035 \leq Q^2 \leq 0.24 \text{ GeV}^2$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135428.		13
219	Measurement of the generalized form factors near threshold via $\gamma^* p \rightarrow n$ at high $Q^2$ . Physical Review C, 2012, 85, .	2.9	12
220	Moments of the neutron structure function at intermediate $Q^2$ . Physical Review C, 2015, 92, .	2.9	12
221	An explanation for dark matter and dark energy consistent with the standard model of particle physics and General Relativity. European Physical Journal C, 2019, 79, 1.	3.9	12
222	Beam asymmetry $\Sigma$ for the photoproduction of $\pi^0$ and $\eta$ mesons at $\sqrt{s} \approx 1.2$ GeV. Physical Review C, 2015, 91, 054001.	2.9	12
223	Light-front holography and superconformal quantum mechanics: A new approach to hadron structure and color confinement. International Journal of Modern Physics Conference Series, 2015, Photon Beam asymmetry $\Sigma$ in the reaction $\gamma p \rightarrow \pi^0 p$ .	0.7	11
224	Experimental study of the behavior of the Bjorken sum at very low $Q^2$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 773, 112-113.	4.1	11
225	Experimental study of the behavior of the Bjorken sum at very low $Q^2$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2022, 825, 136878.	4.1	11
226	Measurement of the evolution of the Bjorken integral and extraction of an effective strong coupling constant at low $Q^2$ . Nuclear Physics A, 2005, 755, 353-356.	1.5	10
227	Exclusive $\gamma p \rightarrow \gamma n$ electroproduction off protons in the resonance region at photon virtualities $0.4 \text{ GeV}^2 \leq Q^2 \leq 1 \text{ GeV}^2$ . Physical Review C, 2020, 101, .	2.9	10
228	Gluon matter distribution in the proton and pion from extended holographic light-front QCD. Physical Review D, 2021, 104, .	4.7	10
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