

Michael Paolone

List of Publications by Year in descending order

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75
papers

1,631
citations

361413

20
h-index

315739

38
g-index

76
all docs

76
docs citations

76
times ranked

4254
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for a New Gauge Boson in Electron-Nucleus Fixed-Target Scattering by the APEX Experiment. <i>Physical Review Letters</i> , 2011, 107, 191804.	7.8	246
2	Polarization Transfer in the $\text{He} \rightarrow \text{He} + \text{p} + \text{n}$ Reaction. <i>Physical Review Letters</i> , 2017, 118, 102501.	7.8	87
3	Low- Q^2 measurements of the proton form factor ratio G_E/G_M . <i>Physical Review C</i> , 2011, 84, .	2.9	84
4	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. <i>Physical Review Letters</i> , 2019, 122, 172502.	7.8	80
5	The CLAS12 Spectrometer at Jefferson Laboratory. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2020, 959, 163419.	1.6	75
6	Cross Sections for the Exclusive Photon Electroproduction on the Proton and Generalized Parton Distributions. <i>Physical Review Letters</i> , 2015, 115, 212003.	7.8	73
7	Absorption of the $\text{p} + \text{n}$ Mesons in Nuclei. <i>Physical Review Letters</i> , 2010, 105, 112201.	7.8	66
8	Measurements of $e \rightarrow e + \text{p} + \text{n}$ and extraction of nucleon. <i>Physical Review C</i> , 2015, 91, .	7.8	48
9	Measurements of the Proton Elastic-Form-Factor Ratio G_E/G_M at Low Momentum Transfer. <i>Physical Review Letters</i> , 2007, 99, 202002.	7.8	44
10	Center of Mass Motion of Short-Range Correlated Nucleon Pairs studied via the $A \rightarrow A + e + \text{p} + \text{n}$ Reaction. <i>Physical Review Letters</i> , 2017, 118, 102501.	7.8	42
11	Longitudinal Target-Spin Asymmetries for Deeply Virtual Compton Scattering. <i>Physical Review Letters</i> , 2015, 114, 032001.	7.8	40
12	Measurement of two-photon exchange effect by comparing elastic $e \rightarrow e + \text{p} + \text{n}$ cross sections. <i>Physical Review C</i> , 2017, 95, .	4.9	30
13	Photon beam asymmetry $\hat{\Sigma}$ for $\hat{\Gamma}$ and $\hat{\Gamma}^2$ photoproduction from the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 771, 213-221.	4.1	32
14	Precise measurements of beam spin asymmetries in semi-inclusive $e \rightarrow e + \text{p} + \text{n}$ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 704, 397-402.	4.1	30
15	Polarization Transfer in the $\text{He} \rightarrow \text{He} + \text{p} + \text{n}$ Reaction. <i>Physical Review Letters</i> , 2017, 119, 202004.	7.8	30
16	Determination of the proton spin structure functions for $0.05 < Q^2 < 5 \text{ GeV}^2$ using CLAS. <i>Physical Review C</i> , 2017, 96, .	2.9	30
17	Measurements of $e \rightarrow e + \text{p} + \text{n}$ cross sections with CLAS at $Q^2 < 1.40 \text{ GeV}^2$. <i>Physical Review Letters</i> , 2017, 118, 102501.	2.9	29
18	Precise Extraction of the Induced Polarization in the $\text{He} \rightarrow \text{He} + \text{p} + \text{n}$ Reaction. <i>Physical Review Letters</i> , 2017, 118, 102501.	7.8	27

#	ARTICLE	IF	CITATIONS
19	Beam-Target Helicity Asymmetry for $\hat{\rho}$ in the N^* Resonance Region. Physical Review Letters, 2017, 118, 242002.	7.8	26
20	Measurement of the differential and total cross sections of the $\hat{\rho}$ reaction within the resonance region. Physical Review C, 2017, 96, .		
21	First results on nucleon resonance photocouplings from the $\hat{\rho}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 371-379.	4.1	20
22	Differential cross section measurements for $\hat{\rho}$ above the first nucleon resonance region. Physical Review C, 2017, 96, .	2.9	19
23	First Measurement of Timelike Compton Scattering. Physical Review Letters, 2021, 127, 262501.	7.8	19
24	Measurement of the neutron charge radius and the role of its constituents. Nature Communications, 2021, 12, 1759.	12.8	18
25	$12C(e,e'pN)$ measurements of short range correlations in the tensor-to-scalar interaction transition region. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 820, 136523.	4.1	18
26	Electroexcitation of the $\hat{\rho}^+(1232)$ at low momentum transfer. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 760, 267-272.	4.1	17
27	up to large values of Mandelstam variables s and t with CLAS.		
28	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
29	Exclusive electroproduction at Q^2 dependence of the Deuteron Spin Structure Function and its Moments at Low g	2.9	16
30	Measurement of nuclear transparency ratios for protons and neutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134792.	7.8	16
31	Differential cross sections and polarization observables from CLAS $\hat{\rho}$ 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	15
32	Target and double spin asymmetries of deeply virtual $\hat{\rho}$ production with a longitudinally polarized proton target and CLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 168-173.	4.1	14
33	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
34	Measurements of the $\hat{\rho}$ cross section with the CLAS detector for $0.4\text{GeV}^2 < Q^2 < 1.0\text{GeV}^2$ and $1.3\text{GeV} < W < 1.825\text{GeV}$. Physical Review C, 2018, 98, .	2.9	14
35	Charge radii of the nucleon from its flavor dependent Dirac form factors. European Physical Journal A, 2021, 57, 1.	2.5	14

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37	Measurement of the proton spin structure at long distances. <i>Nature Physics</i> , 2021, 17, 736-741.	16.7	14
38	Measurement of the helicity asymmetry $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mi} \rangle E \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ in $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sigma} \langle / \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle \text{mml:mi} \rangle \langle / \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ photoproduction. <i>Physical Review C</i> , 2017, 96, .	2.9	13
39	Extraction of Beam-Spin Asymmetries from the Hard Exclusive $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle + \langle / \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msup} \rangle \langle / \text{mml:math} \rangle$ Channel off Protons in a Wide Range of Kinematics. <i>Physical Review Letters</i> , 2020, 125, 182001.	7.8	13
40	Measurement of the generalized form factors near threshold via $\hat{\sigma}^3 \hat{p} \hat{\sigma}^1 \hat{n} \hat{\sigma}^+$ at high Q ² . <i>Physical Review C</i> , 2012, 85, .	2.9	12
41	Branching ratio of the electromagnetic decay of the $\hat{\Sigma}^+(1385)$. <i>Physical Review D</i> , 2012, 85, .	4.7	11
42	Photon beam asymmetry $\hat{\Sigma}$ in the reaction $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \hat{I}^3 \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\sigma} \langle / \text{mml:mo} \rangle \langle \text{mml:mrow} \rangle \langle / \text{mml:mover} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \text{stretchy="false"} \rangle \hat{\sigma} \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \hat{I} \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ for E= 1.152 to 1.876 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017, 773, 112-	4.1	11
43	Exclusive $\hat{\sigma}^0 p$ electroproduction off protons in the resonance region at photon virtualities 0.4 GeV ² ≤ Q ² ≤ 1 GeV ² . <i>Physical Review C</i> , 2020, 101, .	2.9	10
44	Measurement of the nuclear multiplicity ratio for $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si1.gif" overflow="scroll"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle K \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle / \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle / \text{mml:math} \rangle$ hadronization at CLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011, 706, 26-31.	2.9	8
45	Measurement of unpolarized and polarized cross sections for deeply virtual Compton scattering on the proton at Jefferson Laboratory with CLAS. <i>Physical Review C</i> , 2018, 98, .	2.9	8
46	Beam-target helicity asymmetry E in $K^0 \hat{\sigma}^+$ and $K^0 \hat{\sigma}^0$ photoproduction on the neutron. <i>Physical Review C</i> , 2018, 98, .	2.9	8
47	Beam-target helicity asymmetry E in $K^+ \hat{\sigma}^+$ photoproduction on the neutron. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 808, 135662.	4.1	8
48	Medium Modifications from $[\text{sup } 4]\text{He}(e \hat{f}^-, e \hat{E}^1 p \hat{f}^-)$ $[\text{sup } 3]\text{H}$. <i>AIP Conference Proceedings</i> , 2008, .	0.4	7
49	First Measurements of the Double-Polarization Observables $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mi} \rangle F \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$, $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mi} \rangle P \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$, and $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{display="inline"} \rangle \langle \text{mml:mi} \rangle H \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si1.svg"} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="double-struck"} \rangle G \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ for single pion photoproduction from the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 817, 136304.	7.8	7
50	Double polarisation observable $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \text{altimg="si1.svg"} \rangle \langle \text{mml:mi} \rangle \text{mathvariant="double-struck"} \rangle G \langle / \text{mml:mi} \rangle \langle / \text{mml:math} \rangle$ for single pion photoproduction from the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 817, 136304.	4.1	7
51	Proton polarimeter calibration between 82 and 217 MeV. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 606, 578-584.	1.6	6
52	Measurement of target and double-spin asymmetries for the $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mi} \rangle e \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sigma} f^- \langle / \text{mml:mo} \rangle \langle / \text{mml:mover} \rangle \langle \text{mml:mover} \text{accent="true"} \rangle \langle \text{mml:mi} \rangle p \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle \hat{\sigma} f^- \langle / \text{mml:mo} \rangle \langle / \text{mml:mover} \rangle \langle \text{mml:mo} \rangle \hat{\sigma} \hat{\sigma}^+ \langle / \text{mml:mo} \rangle \langle \text{mml:mi} \rangle e \langle / \text{mml:mi} \rangle \langle \text{mml:msubsup} \rangle \langle / \text{mml:math} \rangle$ reaction in the nucleon resonance region at low. <i>Physical Review C</i> , 2016, 94, .	2.9	6
53	Double $\langle \text{mml:math} \text{xmlns:mml="http://www.w3.org/1998/Math/MathML"} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mi} \rangle K \langle / \text{mml:mi} \rangle \langle \text{mml:mi} \rangle S \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 0 \langle / \text{mml:mn} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle / \text{mml:math} \rangle$ photoproduction off the proton at CLAS. <i>Physical Review C</i> , 2018, 97, .	2.9	6
54	New Insight in the Q ² Dependence of Proton Generalized Polarizabilities. <i>Physical Review Letters</i> , 2019, 123, 192302.	7.8	6

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55	Virtual Compton scattering measurements in the nucleon resonance region. European Physical Journal A, 2019, 55, 1.	2.5	6
56	Dispersive corrections in elastic electron-nucleus scattering: an investigation in the intermediate energy regime and their impact on the nuclear matter. European Physical Journal A, 2020, 56, 1.	2.5	6
57	Measurement of the beam spin asymmetry of γ photoproduction from threshold to $W = 3.3$ GeV. Physical Review C, 2018, 98, 054001.	2.9	5
58	First measurement of direct photoproduction of the $\Delta(1232)$ resonance. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 789, 426-431.	4.1	5
59	First measurement of direct photoproduction of the $\Delta(1232)$ meson on the proton. Physical Review C, 2020, 102, 014001.	4.1	4
60	Polarization observables in deuteron photodisintegration below 360 MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 697, 194-198.	2.9	4
61	Target and beam-target spin asymmetries in exclusive pion electroproduction for $Q^2 < 2$ GeV. Physical Review C, 2017, 95, 054001.	4.1	4
62	Photoproduction of K^+K^- meson pairs on the proton. Physical Review D, 2018, 98, 074007.	4.1	3
63	Differential cross section for $\gamma d \rightarrow \hat{\Delta}^+ \pi^0 d$ using CLAS at Jefferson Lab. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 646-651.	2.9	2
64	Coherent photoproduction of ϵ^+ from He3. Physical Review C, 2011, 83, 014001.	2.9	2
65	Upper limits for the photoproduction cross section for the $\hat{\Delta}^+(1860)$ pentaquark state off the deuteron. Physical Review C, 2012, 85, 014001.	4.1	2
66	First measurement of $\hat{\Delta}^+$ polarization in photoproduction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 783, 280-286.	2.9	2
67	Measurement of deeply virtual Compton scattering off ^4He with the CEBAF Large Acceptance Spectrometer at Jefferson Lab. Physical Review C, 2021, 104, 014001.	0.4	1
68	Polarization Transfer in $^4\text{He}(e, e')^3\text{H}$. AIP Conference Proceedings, 2007, 912, 1-10.	1.5	1
69	MESONS IN THE MEDIUM: EXPERIMENTS WITH CLAS AT JEFFERSON LAB. International Journal of Modern Physics A, 2011, 26, 734-736.		
70	Comparison of forward and backward $p\bar{p}$ pair knockout in ^3He . Physical Review C, 2018, 98, 054001.		

#	ARTICLE	IF	CITATIONS
73	The In-medium Mass and Widths of Light Vector Mesons. , 2011, , .		0
74	Absorption of the ρ and mesons in nuclei. , 2012, , .		0
75	Recent studies of the leptonic decays of photoproduced vector and pseudoscalar mesons off of 1H at Jefferson Lab. , 2012, , .		0