

# Reinhard A Schumacher

## List of Publications by Year in descending order

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270  
papers

11,104  
citations

30047

54  
h-index

39638

94  
g-index

274  
all docs

274  
docs citations

274  
times ranked

3091  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gottfried sum from the ratio $F_2^n/F_2^p$ . Physical Review Letters, 1991, 66, 2712-2715.	2.9	478
2	The CEBAF large acceptance spectrometer (CLAS). Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 503, 513-553.	0.7	436
3	Observation of an Exotic $S=+1$ Baryon in Exclusive Photoproduction from the Deuteron. Physical Review Letters, 2003, 91, 252001.	2.9	366
4	Reevaluation of the Gottfried sum. Physical Review D, 1994, 50, R1-R3.	1.6	293
5	Differential cross sections for $\hat{\Gamma}^3 + \hat{p} \rightarrow K^+ + \Upsilon$ for $\hat{\Gamma}$ and $\Sigma^0$ hyperons. Physical Review C, 2006, 73, .	1.1	255
6	Proton and deuteron $F_2$ structure functions in deep inelastic muon scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 295, 159-168.	1.5	238
7	Momentum sharing in imbalanced Fermi systems. Science, 2014, 346, 614-617.	6.0	233
8	Measurement of Two- and Three-Nucleon Short-Range Correlation Probabilities in Nuclei. Physical Review Letters, 2006, 96, 082501.	2.9	225
9	Electroexcitation of nucleon resonances from CLAS data on single pion electroproduction. Physical Review C, 2009, 80, .	1.1	199
10	$Q^2$ Dependence of Quadrupole Strength in the $\hat{\Gamma}^3 + \hat{p} \rightarrow \Upsilon + (1232)$ Transition. Physical Review Letters, 2002, 88, 122001.	2.9	191
11	A re-evaluation of the nuclear structure function ratios for D, He, $^6\text{Li}$ , C and Ca. Nuclear Physics B, 1995, 441, 3-11.	0.9	177
12	Hyperon photoproduction in the nucleon resonance region. Physical Review C, 2004, 69, .	1.1	159
13	Measurement of Deeply Virtual Compton Scattering Beam-Spin Asymmetries. Physical Review Letters, 2008, 100, 162002.	2.9	153
14	Differential cross section and recoil polarization measurements for the $\hat{\Gamma}^3 + \hat{p} \rightarrow K^+ + \Upsilon$ using CLAS at Jefferson Lab. Physical Review C, 2010, 81, .	1.1	145
15	First measurement of beam-recoil observables $C_x$ and $C_z$ in hyperon photoproduction. Physical Review C, 2007, 75, .	1.1	140
16	Probing high-momentum protons and neutrons in neutron-rich nuclei. Nature, 2018, 560, 617-621.	18.7	127
17	Observation of Spin-Orbit Splitting in $\hat{\Gamma}^3$ Single-Particle States. Physical Review Letters, 2001, 86, 4255-4258.	2.9	123
18	The ratio $F_2^n/F_2^p$ in deep inelastic muon scattering. Nuclear Physics B, 1992, 371, 3-31.	0.9	116

#	ARTICLE	IF	CITATIONS
19	Measurement of the $\Lambda$ photoproduction line shapes near the $\Lambda(1405)$ . Physical Review C, 2013, 87, .	1.1	113
20	$\Lambda$ -Photoproduction on the Proton for Photon Energies from 0.75 to 1.95 GeV. Physical Review Letters, 2002, 89, 222002.	2.9	111
21	Production of $\Lambda$ hypernuclei. Physical Review Letters, 2001, 87, 132504.	2.9	110
22	Measurement of the x- and y- asymmetries in the $\Lambda$ photoproduction. Physical Review Letters, 2001, 87, 132504.	1.5	108
23	Experimental study of the $\Lambda$ photoproduction. Physical Review C, 2012, 86, .	1.1	108
24	Modified structure of protons and neutrons in correlated pairs. Nature, 2019, 566, 354-358.	13.7	105
25	The $\Lambda$ - $\Lambda$ interaction at and above the $\Lambda(1535)$ Baryon Resonance. Physical Review Letters, 2001, 86, 1702-1706.	2.9	102
26	Measurement of the $\Lambda$ photoproduction on the proton for photon energies from 0.725 to 2.875 GeV. Physical Review C, 2009, 79, .	1.5	99
27	Precision measurement of the structure function ratios $F_2^{\text{He}}/F_2^{\text{D}}$ , $F_2^{\text{C}}/F_2^{\text{D}}$ and $F_2^{\text{Ca}}/F_2^{\text{D}}$ . Zeitschrift für Physik C-Particles and Fields, 1991, 51, 387-393.	2.9	98
28	Measurement of Deeply Virtual Compton Scattering with a Polarized-Proton Target. Physical Review Letters, 2006, 97, 072002.	2.9	92
29	Search for the $\Lambda$ -Pentaquark in the Reaction $\Lambda^3 \text{d} \rightarrow \Lambda^+ \text{K}^+ \text{n}$ . Physical Review Letters, 2006, 96, 212001.	1.1	91
30	Differential cross sections for the reactions $\Lambda^3 \text{d} \rightarrow \Lambda^+ \text{K}^+ \text{n}$ . Physical Review C, 2009, 80, .	0.7	90
31	The CLAS drift chamber system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 81-111.	2.9	90
32	Measurement of the $\Lambda(1232)$ transition at high-momentum transfer by $\Lambda$ electroproduction. Physical Review Letters, 2006, 97, 112003.	2.9	88
33	Measurement of the $\Lambda$ photoproduction on the proton for photon energies from 0.675 to 2.875 GeV. Physical Review C, 2007, 76, .	2.9	80
34	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. Physical Review Letters, 2019, 122, 172502.	1.1	79
35	$\Lambda$ photoproduction on the proton for photon energies from 0.675 to 2.875 GeV. Physical Review C, 2007, 76, .	2.9	79
36	Measurement of Single- and Double-Spin Asymmetries in Deep Inelastic Pion Electroproduction with a Longitudinally Polarized Target. Physical Review Letters, 2010, 105, 262002.		

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37	Measurement of the Neutron Magnetic Form Factor $G_M^n$ in the Few-GeV Region. Differential cross sections and recoil polarizations for the reaction $\gamma p \rightarrow n \pi^0$ . Physical Review C, 2010, 82, .	2.9	78
38	Cross Sections for the Exclusive Photon Electroproduction on the Proton and Generalized Parton Distributions. Physical Review Letters, 2015, 115, 212003. Differential photoproduction cross sections of the $\rho(770)$ meson. Physical Review C, 2010, 82, .	2.9	73
39	Search for $\Lambda(1540)$ Pentaquark in High-Statistics Measurement of $\bar{p}p \rightarrow K^+ \Lambda(1540) + \text{nat}$ CLAS. Physical Review Letters, 2006, 96, 042001.	2.9	69
40	Search for Medium Modifications of the $\rho$ Meson. Physical Review Letters, 2007, 99, 262302.	2.9	68
41	Photoproduction of $\rho(1020)$ Mesons on the Proton at Large Momentum Transfer. Physical Review Letters, 2000, 85, 4682-4686.	2.9	67
42	Measurement of the Proton Spin Structure Function $g_1(x, Q^2)$ for $Q^2$ from 0.15 to 1.6 $\text{GeV}^2$ with CLAS. Physical Review Letters, 2003, 91, 222002.	2.9	67
43	Absorption of the $\rho(770)$ Mesons in Nuclei. Physical Review Letters, 2010, 105, 117301.	2.9	66
44	Measurement of the $\rho(770)$ Meson in Nuclei. Physical Review Letters, 2010, 105, 117301.	2.9	66
45	First Measurement of Transferred Polarization in the Exclusive $e^+p \rightarrow e^+K^+\Lambda$ Reaction. Physical Review Letters, 2003, 90, 131804.	2.9	64
46	Measurement of the neutron and the proton $F_2$ structure function ratio. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 249, 366-372.	1.5	62
47	Inelastic production in deep inelastic scattering from hydrogen and deuterium and the gluon distribution of free nucleons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 258, 493-498.	1.5	58
48	Single $\rho^+$ electroproduction on the proton in the first and second resonance regions at 0.25 $\text{GeV}^2 < Q^2 < 0.65 \text{GeV}^2$ . Physical Review C, 2006, 73, .	1.1	57
49	Light vector mesons in the nuclear medium. Physical Review C, 2008, 78, .	1.1	57
50	Cross sections and beam asymmetries for $e^+p \rightarrow e^+n \pi^+$ in the nucleon resonance region for $1.7 \hat{=}^{1/2} Q^2 \hat{=}^{1/2} 4.5 \text{GeV}^2$ . Physical Review C, 2008, 77, .	1.1	56
51	Measurement of the structure function of the nearly free neutron using spectator tagging in inelastic $H \rightarrow H + \text{multiscripts}$ . Physical Review C, 2008, 78, .	1.1	56
52	Measurement of the structure function of the nearly free neutron using spectator tagging in inelastic $H \rightarrow H + \text{prescripts}$ . Physical Review C, 2008, 78, .	1.1	56

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55	Quark and gluon distributions and $\hat{\Gamma}$ s from nucleon structure functions at low x. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 309, 222-230.	1.5	54
56	Search for the H-Dibaryon in $H^3e(K^+, K^+)Hn$ . Physical Review Letters, 1997, 78, 3646-3649.	2.9	54
57	$\hat{\Gamma}$ Photoproduction on the Proton for Photon Energies from 1.527 to 2.227 GeV. Physical Review Letters, 2006, 96, 062001.	2.9	54
58	Separated structure functions for the exclusive electroproduction of $K^+$ and $K^0$ final states. Physical Review C, 2007, 75, .	1.1	53
59	Differential cross sections and spin density matrix elements for the reaction $\hat{\Gamma}^3 p \hat{\Gamma}^+ p \hat{\Gamma}^0$ . Physical Review C, 2009, 80, .	1.1	52
60	Search for the $\hat{\Gamma}^+$ pentaquark in the reactions $\hat{\Gamma}^3 p \hat{\Gamma}^+ K^0 K^+$ and $\hat{\Gamma}^3 p \hat{\Gamma}^+ K^0 K^0$ . Physical Review D, 2006, 74, .	1.6	51
61	Measurement of semi-inclusive $\hat{\Gamma}^3$ electroproduction off the proton. Physical Review D, 2009, 80, .		51
62	Measurement of Exclusive $\hat{\Gamma}^3$ Electroproduction Structure Functions and their Relationship to Transverse Generalized Parton Distributions. Physical Review Letters, 2012, 109, 112001.	2.9	50
63	Photoproduction of the $\hat{\Gamma}^0$ Meson on the Proton at Large Momentum Transfer. Physical Review Letters, 2001, 87, 172002.	2.9	49
64	Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\hat{\Gamma}^3 p \hat{\Gamma}^+ p \hat{\Gamma}^0$ and extraction of nucleon. Physical Review C, 2014, 89, .	1.1	49
65	Measurement of the beam asymmetry $\hat{\Gamma}$ for $\hat{\Gamma}^0$ and $\hat{\Gamma}^+$ photoproduction on the proton at $E^3=9$ GeV. Physical Review C, 2017, 95, .	1.1	49
66	Exclusive $\hat{\Gamma}^0$ electroproduction on the proton at CLAS. European Physical Journal A, 2009, 39, 5-31.	1.0	48
67	Measurements of $\hat{\Gamma}^3$ and extraction of nucleon. Physical Review C, 2015, 91, .		48
68	Photoproduction of $\hat{\Gamma}^3$ and $\hat{\Gamma}^+$ hyperons using linearly polarized photons. Physical Review C, 2016, 93, .	1.1	46
69	Beam-Helicity Asymmetries in Double-Charged-Pion Photoproduction on the Proton. Physical Review Letters, 2005, 95, 162003.	2.9	45
70	Observables in high-statistics measurements of the reaction $p \hat{\Gamma}^+ p \hat{\Gamma}^+$ . Physical Review C, 1996, 54, 1877-1886.	1.1	44
71	Moments of the spin structure functions $\hat{\Gamma}^3$ and $\hat{\Gamma}^+$ . Physical Review C, 2008, 78, 044001.	1.5	44
72	Spin and parity measurement of the $\hat{\Gamma}^3$ hyperons using linearly polarized photons. Physical Review C, 2016, 93, .	2.9	43

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73	Measurement of the polarized structure function $F_2^p(e, \hat{q})$ in the $\Delta(1232)$ resonance region. Physical Review C, 2004, 70, .	1.1	42
74	Quark-hadron duality in spin structure functions $g_1^p$ and $g_1^d$ . Physical Review C, 2007, 75, .	1.1	42
75	Center of Mass Motion of Short-Range Correlated Nucleon Pairs studied via the $\langle \mathbf{r} \rangle$ stretch. Physical Review C, 2017, 95, .	2.9	42
76	Measurements of $R_d$ - $R_p$ and $R_{Ca}$ - $R_c$ in deep inelastic muon scattering. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 294, 120-126.	1.5	41
77	Single and double spin asymmetries for deeply virtual Compton scattering measured with CLAS and a longitudinally polarized proton target. Physical Review D, 2015, 91, .	1.6	41
78	Possible violation of the rule in non-mesonic hypernuclear weak decay. Nuclear Physics A, 1992, 547, 143-148.	0.6	40
79	Deeply virtual and exclusive electroproduction of $\eta$ -mesons. European Physical Journal A, 2005, 24, 445-458.	1.0	40
80	Measurement of the Neutron $F_2^d$ Structure Function via Spectator Tagging with CLAS. Physical Review Letters, 2012, 108, 142001.	2.9	40
81	Longitudinal Target-Spin Asymmetries for Deeply Virtual Compton Scattering. Physical Review Letters, 2015, 114, 032001.	2.9	40
82	First results from the GlueX experiment. AIP Conference Proceedings, 2016, , . Exclusive $\pi^0$ production	0.3	40
83	Measurement of the Neutron $F_2^d$ Structure Function via Spectator Tagging with CLAS. Physical Review Letters, 2012, 108, 142001.	1.5	39
84	Complete angular distribution measurements of two-body deuteron photodisintegration between 0.5 and 3 GeV. Physical Review C, 2004, 70, .	1.1	38
85	Experimental Study of Exclusive $H_2(e, e'p)n$ Reaction Mechanisms at High $Q^2$ . Physical Review Letters, 2007, 98, 262502.	2.9	38
86	Beam-recoil polarization transfer in the nucleon resonance region in the exclusive $e^+p \rightarrow e'K^+ \Delta^+$ reactions at the CLAS spectrometer. Physical Review C, 2009, 79, .	1.1	38
87	Evidence for the onset of color transparency in $\pi^0$ electroproduction off nuclei. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 658, 157-160.	1.1	38
88	Beam asymmetry $A_{EB}$ for $\pi^0$ electroproduction on the proton for photon energies from 1.102 to 1.862 GeV. Physical Review C, 2013, 88, .	1.1	38
89	Measurement of two-photon exchange effect by comparing elastic $e^+p \rightarrow e^+p \gamma \gamma$ cross sections. Physical Review C, 2017, 95, .	1.1	38
90	Search for the $\hat{c}$ -Pentaquark in the $\hat{c}^3 d \hat{c}^+ n K^+$ Reaction Measured with the CLAS Spectrometer. Physical Review Letters, 2006, 97, 032001.	2.9	35



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91	Cascade production in the reactions $\Lambda^3 \rightarrow p \Lambda^+$ and $\Lambda^3 \rightarrow n \Lambda^+$ 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.	1.1	34
92	Partial wave analysis of the reaction $\Lambda^3 \rightarrow p \Lambda^+$ and the search for nucleon resonances. Physical Review C, 2009, 80, .	1.1	34
93	Measurement of the Differential Cross Section for the Reaction $\Lambda^3 \rightarrow n \Lambda^+$ from Deuterium. Physical Review Letters, 2009, 103, 012301.	2.9	34
94	Large-Solid-Angle Study of Pion Absorption on He3. Physical Review Letters, 1994, 73, 1336-1339.	2.9	33
95	Polarized structure function $L_T$ of $\Lambda^3$ and $\Lambda^+$ 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.	1.1	33
96	Differential cross section of $\Lambda^3 \rightarrow p \Lambda^+$ and $\Lambda^3 \rightarrow n \Lambda^+$ 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.	1.1	33
97	Precision measurements of $g_1$ of the proton and of the deuteron with 6 GeV electrons. Physical Review C, 2014, 90, .	1.1	33
98	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.	1.5	33
99	Electroproduction of $\Lambda^3$ on protons at $Q^2 < 0$ and $Q^2 > 2$ . Physical Review C, 2009, 79, .	1.1	32
100	Photon beam asymmetry $\Sigma$ for $\Lambda^3$ and $\Lambda^+$ photoproduction from the proton. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 213-221.	1.5	32
101	Precision measurement of structure function ratios for ${}^6\text{Li}$ , ${}^{12}\text{C}$ and ${}^{40}\text{Ca}$ . Zeitschrift für Physik C-Particles and Fields, 1992, 53, 73-77.	1.5	31
102	Radiative decays of the $\Lambda(1385)$ and $\Lambda(1520)$ hyperons. Physical Review C, 2005, 71, .	1.1	31
103	Cross sections for the $\Lambda^3 \rightarrow p \Lambda^+$ and $\Lambda^3 \rightarrow n \Lambda^+$ 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.	1.1	31
104	Beam spin asymmetries in deeply virtual Compton scattering (DVCS) with CLAS at 4.8 GeV. Physical Review C, 2009, 80, .	1.1	31
105	Search for the Photoexcitation of Exotic Mesons in the $\Lambda^3 \rightarrow p \Lambda^+$ and $\Lambda^3 \rightarrow n \Lambda^+$ on bound neutrons with incident photons from 1.1 to 3.6 GeV. Physical Review Letters, 2009, 102, 102002.	2.9	31
106	Photoproduction of $\Lambda^3$ on protons. Physical Review D, 2009, 80, .	1.1	31
107	$\Lambda^3$ -meson photoproduction on hydrogen in the neutral decay mode. Physical Review C, 2014, 89, .	1.1	31
108	Precise measurements of beam spin asymmetries in semi-inclusive $\Lambda^3 \rightarrow p \Lambda^+$ and $\Lambda^3 \rightarrow n \Lambda^+$ production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 704, 397-402.	1.5	30

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109	Exclusive $\pi^0$ production in deep virtual Compton scattering off a proton. Physical Review Letters, 2017, 119, 202004.	1.1	30
110	First Exclusive Measurement of Deeply Virtual Compton Scattering off a Neutron. Physical Review Letters, 2017, 119, 202004.	2.9	30
111	Toward the 3D Tomography of Nuclei. Physical Review Letters, 2017, 119, 202004. Determination of the proton spin structure functions for $0.05 < Q^2 < 5 \text{ GeV}^2$ using CLAS. Physical Review C, 2017, 96, .	1.1	30
112	Publisher's Note: Measurement of the Neutron $F_2$ Structure Function via Spectator Tagging with CLAS [Phys. Rev. Lett. <b>108</b> , 142001 (2012)]. Physical Review Letters, 2012, 108, 142001.	2.9	29
113	Measurement of the Neutron $F_2$ Structure Function via Spectator Tagging with CLAS. Physical Review Letters, 2012, 108, 142001.		



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127	Measurement of the $C^{12}(\bar{\nu}_e, 2\bar{\nu}_e)$ reactions and possible evidence of a double- $\bar{\nu}$ excitation. Physical Review Letters, 1991, 66, 1279-1282.	2.9	24
128	Exclusive photoproduction of the cascade ( $\bar{\Lambda}$ ) hyperons. Physical Review C, 2005, 71, .	1.1	24
129	The extraction of $\langle \sigma_{\text{total}} \rangle$ from $\langle \sigma_{\text{total}} \rangle$ of $\bar{\nu}_e$ on $N$ and $d$ .		

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145	First measurement of target and double spin asymmetries for $\hat{\sigma}^{\uparrow\uparrow}$ in the nucleon resonance region above the $\hat{\sigma}^{\uparrow}$ (1232). Physical Review C, 2008, 78, .	1.1	20
146	First results on nucleon resonance photocouplings from the $\hat{\sigma}^{\uparrow\uparrow}$ reaction. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 788, 371-379.	1.5	20
147	Production of $\hat{\sigma}^{\pm}, \hat{\sigma}^{\pm}, p$ , and $\hat{\sigma}^{\pm}$ in relativistic Au+Pt, Si+Pt, and p+Pt collisions. Physical Review C, 1993, 48, 2984-2994.	1.1	19
148	Electromagnetic strangeness production at CEBAF. Nuclear Physics A, 1995, 585, 63-74.	0.6	19
149	Scaling and resonances in elementary $K^{\pm}$ photoproduction. Physical Review C, 2011, 83, .	1.1	19
150	Beam-spin asymmetries from semi-inclusive pion electroproduction. Physical Review D, 2014, 89, .	1.6	19
151	Differential cross section measurements for $\hat{\sigma}^{\uparrow\uparrow}$ above the first nucleon resonance region. Physical Review C, 2017, 96, .	1.1	19
152	$O_16(\hat{\sigma}^{\uparrow}, 2p)$ reaction at 165 MeV. Physical Review C, 1990, 41, R409-R413.	1.1	18
153	Deep exclusive $\hat{\sigma}^{\uparrow}$ electroproduction off the proton at CLAS. European Physical Journal A, 2013, 49, 1.	1.0	18
154	Separated structure functions for exclusive $K^{\pm}$ electroproduction at 5.5 GeV measured with CLAS. Physical Review C, 2013, 87, .	1.1	18
155	Energy-independent PWA of the reaction $\hat{\sigma}^{\uparrow} \hat{\sigma}^{\uparrow} K^{\pm}$ . European Physical Journal A, 2014, 50, 1.	1.0	18
156	Evidence for a backward peak in the $\hat{\sigma}^{\uparrow} \hat{\sigma}^{\uparrow}$ cross section near the $\hat{\sigma}^{\uparrow}$ threshold. European Physical Journal A, 2010, 43, 261-267.	1.0	17
157	Properties of the $\hat{\sigma}^{\uparrow}(1405)$ Measured at CLAS. Nuclear Physics A, 2010, 835, 325-328.	0.6	17
158	Cross sections for the $\hat{\sigma}^{\uparrow}$ reaction up to large values of Mandelstam variables $s, t, u$ and $\hat{\sigma}^{\uparrow}$ with CLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 683, 15-18.	1.1	17
159	Exclusive $\hat{\sigma}^{\uparrow}$ electroproduction at $W < 2$ GeV with CLAS and transversity generalized parton distributions. Physical Review C, 2017, 95, .	1.1	16
160	The reaction at $\hat{\sigma}^{\uparrow} = 196$ MeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1985, 157, 19-22.	1.5	16
161	Strangelet search and light nucleus production in relativistic Si+Pt and Au+Pt collisions. Physical Review C, 1996, 54, R15-R19.	1.1	16
162	Exclusive $\hat{\sigma}^{\uparrow}$ electroproduction at $W < 2$ GeV with CLAS and transversity generalized parton distributions. Physical Review C, 2017, 95, .	1.1	16

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163	Dependence of the Deuteron Spin Structure Function $g_1^D$ and its Moments at Low $Q^2$	2.9	16
164	Dominance of the two-nucleon mechanism in $^{16}\text{O}(\bar{K}^+, pp)$ at 115 MeV. Physical Review C, 1992, 45, 1767-1783.	1.1	15
165	A Large Acceptance Detector System (LADS) for studies of pion absorption. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 373, 374-386.	0.7	15
166	Publisher's Note: Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\bar{K}^+p \rightarrow \bar{K}^+p$ [Phys. Rev. C89, 055208 (2014)]. Physical Review C, 2014, 90, .	1.1	15
167	Search for baryon-number and lepton-number violating decays of $\Lambda$ hyperons using the CLAS detector at Jefferson Laboratory. Physical Review D, 2015, 92, .	1.6	15
168	Measurement of nuclear transparency ratios for protons and neutrons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134792.	1.5	15
169	A measurement of cross sections for $^{32}\text{S}$ interactions with Al, Fe, Cu, Ag and Pb at 200 GeV/c per nucleon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 328-332.	1.5	14
170	Bayesian Analysis of Pentaquark Signals from CLAS Data. Physical Review Letters, 2008, 100, 052001.	2.9	14
171	Near-threshold photoproduction of $\bar{K}^0$ mesons from deuterium. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 338-342.	1.5	14
172	Strangeness Suppression of $\bar{K}^0$ Creation Observed in Exclusive Reactions. Physical Review Letters, 2014, 113, 152004.	2.9	14
173	Differential cross sections and polarization observables from CLAS $\bar{K}^0$ photoproduction and the search for new $N^*$ states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 142-150.	1.5	14
174	Target and double spin asymmetries of deeply virtual $\bar{K}^0$ production with a longitudinally polarized proton target and CLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 168-173.	1.5	14
175	Hard exclusive pion electroproduction at backward angles with CLAS. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 340-345.	1.5	14
176	Measurements of the $\bar{K}^0$ 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, .	1.1	14
177	A TPC in the context of heavy-ion collisions. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 283, 553-556.	0.7	13
178	A time-of-flight array for 1 to 2 GeV/c particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 326, 489-495.	0.7	13
179	Tensor polarization of the $\bar{K}^0$ meson photoproduced at hight. Physical Review C, 2004, 69, .	1.1	13
180	Search for $\bar{K}^0$ Pentaquarks in the Exclusive Reaction $\bar{K}^0 p \rightarrow K^+ K^+ p$ . Physical Review Letters, 2006, 97, 102001.	2.9	13

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181	decomposition of the photoproduced $\Lambda(1520)$ system near the $\Lambda(1520)$ resonance. <i>Physical Review C</i> , 2017, 96, . Measurement of the helicity asymmetry $A_{\text{hel}}$ in $\gamma p \rightarrow \Lambda(1520) p$ photoproduction. <i>Physical Review C</i> , 2017, 96, .	0.6	13
182	Extraction of Beam-Spin Asymmetries from the Hard Exclusive $\gamma p \rightarrow \Lambda(1520) p$ Channel off Protons in a Wide Range of Kinematics. <i>Physical Review Letters</i> , 2020, 125, 182001.	1.1	13
183	Measurement of the reactions and close to threshold. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1997, 402, 227-236.	2.9	13
184	The Rise and Fall of Pentaquarks in Experiments. <i>AIP Conference Proceedings</i> , 2006, , .	1.5	12
185	Measurement of the generalized form factors near threshold via $\Lambda(1520)$ at high $Q^2$ . <i>Physical Review C</i> , 2012, 85, .	0.3	12
186	Beam asymmetry $A_{\text{hel}}$ for the photoproduction of $\Lambda(1520)$ and $\Lambda(1115)$ mesons at $\sqrt{s} = 1.1$ GeV. <i>Physical Review C</i> , 2012, 85, .	1.1	12
187	Branching ratio of the electromagnetic decay of the $\Lambda(1520)$ . <i>Physical Review D</i> , 2012, 85, .	1.1	12
188	Photon beam asymmetry $A_{\text{hel}}$ in the reaction $\gamma p \rightarrow \Lambda(1520) p$ . <i>Physical Review C</i> , 2017, 96, 112-112.	1.6	11
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