

David G Ireland

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

261
papers

7,469
citations

45
h-index

72
g-index

285
ext. papers

8,715
ext. citations

4.5
avg, IF

5.04
L-index

#	Paper	IF	Citations
261	Measurement of charged-pion production in deep-inelastic scattering off nuclei with the CLAS detector. <i>Physical Review C</i> , 2022 , 105,	2.7	1
260	Multidimensional, High Precision Measurements of Beam Single Spin Asymmetries in Semi-inclusive π^+ Electroproduction off Protons in the Valence Region.. <i>Physical Review Letters</i> , 2022 , 128, 062005	7.4	0
259	Electron-beam energy reconstruction for neutrino oscillation measurements. <i>Nature</i> , 2021 , 599, 565-570	50.4	1
258	Observation of Beam Spin Asymmetries in the Process $ep \rightarrow e^+ \pi^+ \pi^- X$ with CLAS12. <i>Physical Review Letters</i> , 2021 , 126, 152501	7.4	1
257	Measurement of the proton spin structure at long distances. <i>Nature Physics</i> , 2021 , 17, 736-741	16.2	3
256	Differential cross sections for $\pi(1520)$ using photoproduction at CLAS. <i>Physical Review C</i> , 2021 , 103,	2.7	1
255	Beam Spin Asymmetry in Semi-Inclusive Electroproduction of Hadron Pairs. <i>Physical Review Letters</i> , 2021 , 126, 062002	7.4	1
254	Photoproduction of the $f_2(1270)$ Meson Using the CLAS Detector. <i>Physical Review Letters</i> , 2021 , 126, 082002	7.4	0
253	Improved \bar{p} Elastic Scattering Cross Sections between 0.9 and 2.0 GeV/c as a Main Ingredient of the Neutron Star Equation of State.. <i>Physical Review Letters</i> , 2021 , 127, 272303	7.4	2
252	First Measurement of Timelike Compton Scattering.. <i>Physical Review Letters</i> , 2021 , 127, 262501	7.4	1
251	Extraction of Beam-Spin Asymmetries from the Hard Exclusive π^+ Channel off Protons in a Wide Range of Kinematics. <i>Physical Review Letters</i> , 2020 , 125, 182001	7.4	4
250	Exclusive $\bar{p}p$ electroproduction off protons in the resonance region at photon virtualities $0.4\text{GeV}^2 \leq Q^2 \leq 1\text{GeV}^2$. <i>Physical Review C</i> , 2020 , 101,	2.7	5
249	Photoproduction of η mesons off the proton for $1.2 < Q^2 < 1.8 \text{ GeV}^2$. <i>Physical Review C</i> , 2020 , 102,	2.7	1
248	Photoproduction reactions and non-strange baryon spectroscopy. <i>Progress in Particle and Nuclear Physics</i> , 2020 , 111, 103752	10.6	18
247	First results on nucleon resonance photocouplings from the $\bar{p} \rightarrow \bar{n} \pi^0$ reaction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 788, 371-379	4.2	16
246	Measurement of the beam spin asymmetry of $e \rightarrow p \rightarrow e p \pi^0$ in the deep-inelastic regime with CLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019 , 789, 426-431	4.2	2
245	Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei. <i>Physical Review Letters</i> , 2019 , 122, 172502	7.4	39

244	First Measurements of the Double-Polarization Observables F, P, and H in π^0 Photoproduction off Transversely Polarized Protons in the N^* Resonance Region. <i>Physical Review Letters</i> , 2019 , 122, 162301	7.4	4
243	Exploring the Structure of the Bound Proton with Deeply Virtual Compton Scattering. <i>Physical Review Letters</i> , 2019 , 123, 032502	7.4	7
242	Kaon Photoproduction and the π^0 Decay Parameter β_{π^0} . <i>Physical Review Letters</i> , 2019 , 123, 182301	7.4	10
241	Application programmes at the Scottish Centre for the Application of Plasma-based Accelerators (SCAPA) 2019 ,		3
240	Modified structure of protons and neutrons in correlated pairs. <i>Nature</i> , 2019 , 566, 354-358	50.4	50
239	Beam asymmetry A_{beam} for the photoproduction of π^0 and η mesons at $E_{\text{beam}}=8.8\text{GeV}$. <i>Physical Review C</i> , 2019 , 100,	2.7	3
238	Novel muon imaging techniques. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , 2018 , 377,	3	7
237	Measurement of the Q^2 Dependence of the Deuteron Spin Structure Function g_1 and its Moments at Low Q^2 with CLAS. <i>Physical Review Letters</i> , 2018 , 120, 062501	7.4	9
236	Hard exclusive pion electroproduction at backward angles with CLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 780, 340-345	4.2	8
235	Measurement of the beam asymmetry A_{beam} and the target asymmetry T in the photoproduction of π^0 mesons off the proton using CLAS at Jefferson Laboratory. <i>Physical Review C</i> , 2018 , 97,	2.7	6
234	Evaluating Polarization Data. <i>Few-Body Systems</i> , 2018 , 59, 1	1.6	
233	Probing high-momentum protons and neutrons in neutron-rich nuclei. <i>Nature</i> , 2018 , 560, 617-621	50.4	62
232	Measurements of the $\pi^0 p \rightarrow p \pi^0 \pi^0$ cross section with the CLAS detector for 0.4 GeV ² . <i>Physical Review C</i> , 2018 , 98,	2.7	13
231	First measurement of π^0 polarization in photoproduction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 783, 280-286	4.2	2
230	Differential cross section for $\pi^0 \rightarrow \pi^0$ using CLAS at Jefferson Lab. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 646-651	4.2	1
229	Exclusive photoproduction of π^0 up to large values of Mandelstam variables s, t, and u with CLAS. <i>Physical Review C</i> , 2018 , 98,	2.7	10
228	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,	2.7	2
227	Beam-target helicity asymmetry E in K^0 and \bar{K}^0 photoproduction on the neutron. <i>Physical Review C</i> , 2018 , 98,	2.7	6

226	π^0 photoproduction from threshold to $W=3.3\text{GeV}$. <i>Physical Review C</i> , 2018 , 98,	2.7	2
225	Photoproduction of K^+K^0 meson pairs on the proton. <i>Physical Review D</i> , 2018 , 98,	4.9	4
224	Center of Mass Motion of Short-Range Correlated Nucleon Pairs studied via the $A(e,e^+pp)$ Reaction. <i>Physical Review Letters</i> , 2018 , 121, 092501	7.4	29
223	Double K_S^0 photoproduction off the proton at CLAS. <i>Physical Review C</i> , 2018 , 97,	2.7	5
222	Semi-inclusive π^0 target and beam-target asymmetries from 6 GeV electron scattering with CLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2018 , 782, 662-667	4.2	1
221	Beam-target double-spin asymmetry in quasielastic electron scattering off the deuteron with CLAS. <i>Physical Review C</i> , 2017 , 95,	2.7	3
220	Differential cross sections and polarization observables from CLAS K^0 photoproduction and the search for new N^* states. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 142-150	4.2	9
219	Target and double spin asymmetries of deeply virtual π^0 production with a longitudinally polarized proton target and CLAS. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 768, 168-173	4.2	9
218	Strong Evidence for Nucleon Resonances near 1900 MeV. <i>Physical Review Letters</i> , 2017 , 119, 062004	7.4	19
217	Target and beam-target spin asymmetries in exclusive pion electroproduction for $Q^2 > 1 \text{ GeV}^2$. II. $ep \rightarrow e\pi p$. <i>Physical Review C</i> , 2017 , 95,	2.7	4
216	Differential cross section measurements for $\pi^+ \rightarrow \pi^0$ above the first nucleon resonance region. <i>Physical Review C</i> , 2017 , 96,	2.7	13
215	Measurement of the beam asymmetry Σ for π^0 and η photoproduction on the proton at E9 GeV. <i>Physical Review C</i> , 2017 , 95,	2.7	34
214	Measurements of $ep \rightarrow e\pi^+\pi^0$ cross sections with CLAS at 1.40 GeV. <i>Physical Review C</i> , 2017 , 96,	2.7	25
213	Beam-Target Helicity Asymmetry for π^0 production in the N^* Resonance Region. <i>Physical Review Letters</i> , 2017 , 118, 242002	7.4	16
212	Photon beam asymmetry Σ for π^0 and η photoproduction from the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 771, 213-221	4.2	21
211	Exclusive π^0 electroproduction at $W > 2 \text{ GeV}$ with CLAS and transversity generalized parton distributions. <i>Physical Review C</i> , 2017 , 95,	2.7	10
210	Feasibility study for the measurement of π^0 transition distribution amplitudes at PANDA in $p\pi^+ \rightarrow J/\psi\pi^0$. <i>Physical Review D</i> , 2017 , 95,	4.9	12
209	First Exclusive Measurement of Deeply Virtual Compton Scattering off ^4He : Toward the 3D Tomography of Nuclei. <i>Physical Review Letters</i> , 2017 , 119, 202004	7.4	18

208	Measurement of the differential and total cross sections of the $\bar{d} \rightarrow K^0(p)$ reaction within the resonance region. <i>Physical Review C</i> , 2017 , 96,	2.7	19
207	Photon beam asymmetry Σ in the reaction $\bar{p} \rightarrow p$ for $E = 1.152$ to 1.876 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2017 , 773, 112-120	4.2	11
206	Target and beam-target spin asymmetries in exclusive pion electroproduction for $Q^2 > 1 \text{ GeV}^2$. I. $e p \rightarrow e \pi n$. <i>Physical Review C</i> , 2017 , 95,	2.7	4
205	Measurement of two-photon exchange effect by comparing elastic $e \pi p$ cross sections. <i>Physical Review C</i> , 2017 , 95,	2.7	24
204	Measurement of the helicity asymmetry E in $\bar{p} \rightarrow \bar{n}$ photoproduction. <i>Physical Review C</i> , 2017 , 96,	2.7	9
203	Determination of the proton spin structure functions for 0.05. <i>Physical Review C</i> , 2017 , 96,	2.7	17
202	N^* resonances from $K(\Lambda)$ amplitudes in sliced bins in energy. <i>European Physical Journal A</i> , 2017 , 53, 1	2.5	7
201	Muography applied to nuclear waste storage sites. <i>Annals of Geophysics</i> , 2017 , 60,	1.1	1
200	Photoproduction of Λ and Σ hyperons using linearly polarized photons. <i>Physical Review C</i> , 2016 , 93,	2.7	29
199	Photoproduction of the $f_1(1285)$ meson. <i>Physical Review C</i> , 2016 , 93,	2.7	21
198	Target and beam-target spin asymmetries in exclusive π and η electroproduction with 1.6- to 5.7-GeV electrons. <i>Physical Review C</i> , 2016 , 94,	2.7	4
197	Feasibility studies of time-like proton electromagnetic form factors at (overline{rm P})ANDA at FAIR. <i>European Physical Journal A</i> , 2016 , 52, 1	2.5	22
196	Model discrimination in pseudoscalar-meson photoproduction. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 759, 260-260	4.2	6
195	First results from the GlueX experiment 2016 ,		34
194	Measurement of target and double-spin asymmetries for the $e p \rightarrow e \pi(n)$ reaction in the nucleon resonance region at low Q^2 . <i>Physical Review C</i> , 2016 , 94,	2.7	6
193	First measurement of the helicity asymmetry E in photoproduction on the proton. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2016 , 755, 64-69	4.2	29
192	Study of doubly strange systems using stored antiprotons. <i>Nuclear Physics A</i> , 2016 , 954, 323-340	1.3	11
191	Analysis Tools for Next-Generation Hadron Spectroscopy Experiments. <i>Acta Physica Polonica B</i> , 2015 , 46, 257	1.9	24

190	Measurements of $ep \rightarrow e^+n$ at 1.6. <i>Physical Review C</i> , 2015 , 91,	2.7	37
189	Precision Measurement of the $p(e, e^+p)\bar{n}$ Reaction at Threshold. <i>Physical Review Letters</i> , 2015 , 114, 192503	7.4	2
188	Enhancing the interaction between nuclear experiment and theory through information and statistics. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015 , 42, 030301	2.9	32
187	Single and double spin asymmetries for deeply virtual Compton scattering measured with CLAS and a longitudinally polarized proton target. <i>Physical Review D</i> , 2015 , 91,	4.9	33
186	Towards a resolution of the proton form factor problem: new electron and positron scattering data. <i>Physical Review Letters</i> , 2015 , 114, 062003	7.4	59
185	Longitudinal target-spin asymmetries for deeply virtual compton scattering. <i>Physical Review Letters</i> , 2015 , 114, 032001	7.4	31
184	Experimental access to Transition Distribution Amplitudes with the P ANDA experiment at FAIR. <i>European Physical Journal A</i> , 2015 , 51, 1	2.5	21
183	Precise determination of the deuteron spin structure at low to moderate Q^2 with CLAS and extraction of the neutron contribution. <i>Physical Review C</i> , 2015 , 92,	2.7	20
182	Search for baryon-number and lepton-number violating decays of Λ hyperons using the CLAS detector at Jefferson Laboratory. <i>Physical Review D</i> , 2015 , 92,	4.9	10
181	Cross Sections for the Exclusive Photon Electroproduction on the Proton and Generalized Parton Distributions. <i>Physical Review Letters</i> , 2015 , 115, 212003	7.4	45
180	Determination of the beam-spin asymmetry of deuteron photodisintegration in the energy region $E_{\gamma} 1.1-3$ GeV. <i>Physical Review C</i> , 2015 , 91,	2.7	4
179	Assessing the feasibility of interrogating nuclear waste storage silos using cosmic-ray muons. <i>Journal of Instrumentation</i> , 2015 , 10, T06005-T06005	1	19
178	Code optimisation in a nested-sampling algorithm. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015 , 785, 105-109	1.2	1
177	Characterising encapsulated nuclear waste using cosmic-ray muon tomography. <i>Journal of Instrumentation</i> , 2015 , 10, P03020-P03020	1	17
176	First measurement of the polarization observable E in the $p \rightarrow (e, \bar{n})n$ reaction up to 2.25 GeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015 , 750, 53-58	4.2	20
175	Beam-spin asymmetries from semi-inclusive pion electroproduction. <i>Physical Review D</i> , 2014 , 89,	4.9	14
174	GEANT4 simulation of a scintillating-fibre tracker for the cosmic-ray muon tomography of legacy nuclear waste containers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 746, 64-73	1.2	17
173	Nuclear physics. Momentum sharing in imbalanced Fermi systems. <i>Science</i> , 2014 , 346, 614-7	33.3	159

172	Measurement of the structure function of the nearly free neutron using spectator tagging in inelastic H ₂ (e,e'p)X scattering with CLAS. <i>Physical Review C</i> , 2014 , 89,	2.7	45
171	Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\bar{p} \rightarrow ?p$. <i>Physical Review C</i> , 2014 , 89,	2.7	29
170	The design and performance of a scintillating-fibre tracker for the cosmic-ray muon tomography of legacy nuclear waste containers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014 , 745, 138-149	1.2	18
169	HASPECT: HADron SPEctroscopy CenTer. <i>Journal of Physics: Conference Series</i> , 2014 , 527, 012028	0.3	1
168	Development of Bayesian analysis program for extraction of polarisation observables at CLAS. <i>Journal of Physics: Conference Series</i> , 2014 , 513, 022020	0.3	0
167	A Prototype Scintillating-Fibre Tracker for the Cosmic-ray Muon Tomography of Legacy Nuclear Waste Containers. <i>EPJ Web of Conferences</i> , 2014 , 66, 10005	0.3	2
166	Publisher's Note: Exclusive \bar{D} electroproduction at W>2 GeV with CLAS [Phys. Rev. C 90, 025205 (2014)]. <i>Physical Review C</i> , 2014 , 90,	2.7	6
165	Exclusive \bar{D} electroproduction at W>2 GeV with CLAS. <i>Physical Review C</i> , 2014 , 90,	2.7	23
164	Induced polarization of $\Lambda(1116)$ in kaon electroproduction. <i>Physical Review C</i> , 2014 , 90,	2.7	5
163	η -meson photoproduction on hydrogen in the neutral decay mode. <i>Physical Review C</i> , 2014 , 89,	2.7	20
162	Precision measurements of g ₁ of the proton and of the deuteron with 6 GeV electrons. <i>Physical Review C</i> , 2014 , 90,	2.7	23
161	Publisher's Note: Data analysis techniques, differential cross sections, and spin density matrix elements for the reaction $\bar{p} \rightarrow ?p$ [Phys. Rev. C 89, 055208 (2014)]. <i>Physical Review C</i> , 2014 , 90,	2.7	10
160	Strangeness suppression of qq creation observed in exclusive reactions. <i>Physical Review Letters</i> , 2014 , 113, 152004	7.4	8
159	Spin and parity measurement of the $\Lambda(1405)$ baryon. <i>Physical Review Letters</i> , 2014 , 112,	7.4	35
158	Publisher's Note: Beam asymmetry A_{EB} for η and \bar{D} photoproduction on the proton for photon energies from 1.102 to 1.862 GeV [Phys. Rev. C 88, 065203 (2013)]. <i>Physical Review C</i> , 2014 , 89,	2.7	5
157	Technical design report for the (overline{P})ANDA (AntiProton Annihilations at Darmstadt) Straw Tube Tracker. <i>European Physical Journal A</i> , 2013 , 49, 1	2.5	60
156	Deep exclusive η electroproduction off the proton at CLAS. <i>European Physical Journal A</i> , 2013 , 49, 1	2.5	15
155	Demonstration of a novel technique to measure two-photon exchange effects in elastic e \bar{p} scattering. <i>Physical Review C</i> , 2013 , 88,	2.7	19

154	A prototype scintillating-fibre tracker for the cosmic-ray muon tomography of legacy nuclear waste containers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2013 , 732, 408-411	1.2	11
153	Measurement of transparency ratios for protons from short-range correlated pairs. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2013 , 722, 63-68	4.2	19
152	First observation of the $\rho(1405)$ line shape in electroproduction. <i>Physical Review C</i> , 2013 , 88,	2.7	15
151	Publisher's Note: Differential photoproduction cross sections of the $\rho(1385)$, $\rho(1405)$, and $\rho(1520)$ [Phys. Rev. C 88, 045201 (2013)]. <i>Physical Review C</i> , 2013 , 88,	2.7	15
150	Hard two-body photodisintegration of ^3He . <i>Physical Review Letters</i> , 2013 , 110, 242301	7.4	3
149	Separated structure functions for exclusive $K^+\rho$ and $K^+\omega$ electroproduction at 5.5 GeV measured with CLAS. <i>Physical Review C</i> , 2013 , 87,	2.7	13
148	Cross sections for the $\bar{p}\rightarrow K^+\rho$ and $\bar{p}\rightarrow K^+\omega$ reactions measured at CLAS. <i>Physical Review C</i> , 2013 , 87,	2.7	11
147	Differential photoproduction cross sections of the $\rho(1385)$, $\rho(1405)$, and $\rho(1520)$. <i>Physical Review C</i> , 2013 , 88,	2.7	50
146	Transverse polarization of $\omega(1189)$ in photoproduction on a hydrogen target in CLAS. <i>Physical Review C</i> , 2013 , 87,	2.7	3
145	Measurement of the ρ photoproduction line shapes near the $\rho(1405)$. <i>Physical Review C</i> , 2013 , 87,	2.7	86
144	Near-threshold neutral pion electroproduction at high momentum transfers and generalized form factors. <i>Physical Review C</i> , 2013 , 87,	2.7	2
143	Beam asymmetry A_{FB} for ω and ρ photoproduction on the proton for photon energies from 1.102 to 1.862 GeV. <i>Physical Review C</i> , 2013 , 88,	2.7	28
142	Evidence for the onset of color transparency in ρ electroproduction off nuclei. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2012 , 712, 326-330	4.2	24
141	Brain stroke detection using continuous wavelets transform matching filters 2012 ,		11
140	Measurement of the generalized form factors near threshold via $\bar{p}\rightarrow n\rho$ at high Q^2 . <i>Physical Review C</i> , 2012 , 85,	2.7	6
139	Measurement of exclusive $\rho(0)$ electroproduction structure functions and their relationship to transverse generalized parton distributions. <i>Physical Review Letters</i> , 2012 , 109, 112001	7.4	39
138	Experimental study of the $P_{11}(1440)$ and $D_{13}(1520)$ resonances from the CLAS data on $ep\rightarrow e^+\rho p$. <i>Physical Review C</i> , 2012 , 86,	2.7	94
137	COMPACT WIDEBAND ANTENNA FOR MICROWAVE IMAGING OF BRAIN. <i>Progress in Electromagnetics Research C</i> , 2012 , 27, 27-39	0.9	30

136	Comparison of forward and backward pp pair knockout in $^3\text{He}(e,e^?pp)n$. <i>Physical Review C</i> , 2012 , 85,	2.7	1
135	Upper limits for the photoproduction cross section for the $\mathbb{1}860$ pentaquark state off the deuteron. <i>Physical Review C</i> , 2012 , 85,	2.7	2
134	Comment on Observation of a narrow structure in $^1\text{H}(\mathbb{K}S^0)^X$ via interference with $^?-\text{meson}$ production \square <i>Physical Review C</i> , 2012 , 86,	2.7	3
133	Branching ratio of the electromagnetic decay of the $\mathbb{1}385$. <i>Physical Review D</i> , 2012 , 85,	4.9	8
132	Publisher's Note: Branching ratio of the electromagnetic decay of the $\mathbb{1}385$ Phys. Rev. D 85, 052004 (2012). <i>Physical Review D</i> , 2012 , 85,	4.9	3
131	Quantum correlations in position, momentum, and intermediate bases for a full optical field of view. <i>Physical Review A</i> , 2012 , 85,	2.6	14
130	Measurement of the neutron F2 structure function via spectator tagging with CLAS. <i>Physical Review Letters</i> , 2012 , 108, 142001	7.4	34
129	Publisher's Note: Measurement of the Neutron F2 Structure Function via Spectator Tagging with CLAS [Phys. Rev. Lett. 108, 142001 (2012)]. <i>Physical Review Letters</i> , 2012 , 108,	7.4	26
128	Single-photon position to time multiplexing using a fiber array. <i>Optics Express</i> , 2011 , 19, 2670-5	3.3	6
127	MICROWAVE HEAD IMAGING FOR STROKE DETECTION. <i>Progress in Electromagnetics Research M</i> , 2011 , 21, 163-175	0.6	60
126	Precise measurements of beam spin asymmetries in semi-inclusive $\mathbb{0}$ production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 704, 397-402	4.2	26
125	Measurement of the nuclear multiplicity ratio for \cdot . <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 706, 26-31	4.2	6
124	Demonstration of the angular uncertainty principle for single photons. <i>Journal of Optics (United Kingdom)</i> , 2011 , 13, 064017	1.7	12
123	Near-threshold photoproduction of $^? \text{mesons}$ from deuterium. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2011 , 696, 338-342	4.2	9
122	Polarization observables in the longitudinal basis for pseudo-scalar meson photoproduction using a density matrix approach. <i>Physical Review C</i> , 2011 , 83,	2.7	10
121	Electromagnetic decay of the $\mathbb{0}(1385)$ to \square <i>Physical Review D</i> , 2011 , 83,	4.9	15
120	BAYESIAN MODEL SELECTION FOR ELECTROMAGNETIC KAON PRODUCTION ON THE NUCLEON. <i>International Journal of Modern Physics A</i> , 2011 , 26, 642-644	1.2	3
119	Measurement of single- and double-spin asymmetries in deep inelastic pion electroproduction with a longitudinally polarized target. <i>Physical Review Letters</i> , 2010 , 105, 262002	7.4	60

118	Differential cross sections and recoil polarizations for the reaction $\bar{p} \rightarrow K + \bar{0}$. <i>Physical Review C</i> , 2010 , 82,	2.7	60
117	Information content of polarization measurements. <i>Physical Review C</i> , 2010 , 82,	2.7	20
116	Tensor correlations measured in $^3\text{He}(e, e' pp)n$. <i>Physical Review Letters</i> , 2010 , 105, 222501	7.4	21
115	Differential cross section and recoil polarization measurements for the $\bar{p} \rightarrow K + \bar{0}$ reaction using CLAS at Jefferson Lab. <i>Physical Review C</i> , 2010 , 81,	2.7	116
114	Absorption of the $\bar{0}$ and π^0 mesons in nuclei. <i>Physical Review Letters</i> , 2010 , 105, 112301	7.4	52
113	Quantum correlations in optical angle-orbital angular momentum variables. <i>Science</i> , 2010 , 329, 662-5	33.3	367
112	New Twist on Light Beams for Quantum Information Science. <i>Optics and Photonics News</i> , 2010 , 21, 48	1.9	2
111	Entanglement of arbitrary superpositions of modes within two-dimensional orbital angular momentum state spaces. <i>Physical Review A</i> , 2010 , 81,	2.6	54
110	Evidence for a backward peak in the $\bar{0} \rightarrow \bar{0}d$ cross section near the $\bar{0}$ threshold. <i>European Physical Journal A</i> , 2010 , 43, 261-267	2.5	14
109	Measurement of the nucleon structure function F2 in the nuclear medium and evaluation of its moments. <i>Nuclear Physics A</i> , 2010 , 845, 1-32	1.3	5
108	Differential cross section of $\bar{0}$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 688, 289-293	4.2	22
107	Bayesian model selection for electromagnetic kaon production on the nucleon. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2010 , 694, 33-37	4.2	7
106	Electroexcitation of nucleon resonances from CLAS data on single pion electroproduction. <i>Physical Review C</i> , 2009 , 80,	2.7	173
105	$\bar{0}$ photoproduction on the proton for photon energies from 0.725 to 2.875 GeV. <i>Physical Review C</i> , 2009 , 79,	2.7	89
104	Measurement of direct $f_0(980)$ photoproduction on the proton. <i>Physical Review Letters</i> , 2009 , 102, 102001	7.4	17
103	Differential cross sections and spin density matrix elements for the reaction $\bar{p} \rightarrow p \bar{0}$. <i>Physical Review C</i> , 2009 , 80,	2.7	44
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