

Paul Gueye

List of Publications by Year in descending order

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Version: 2024-02-01

91
papers

5,723
citations

147566

31
h-index

88477

70
g-index

91
all docs

91
docs citations

91
times ranked

8950
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent developments in Geant4. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 835, 186-225.	0.7	2,327
2	Comparison of <scp>GEANT4</scp> very low energy cross section models with experimental data in water. Medical Physics, 2010, 37, 4692-4708.	1.6	392
3	THE GEANT4-DNA PROJECT. International Journal of Modeling, Simulation, and Scientific Computing, 2010, 01, 157-178.	0.9	366
4	Electroproduction of the $\rho(1232)$ Resonance at High Momentum Transfer. Physical Review Letters, 1999, 82, 45-48.	2.9	171
5	Scaling Tests of the Cross Section for Deeply Virtual Compton Scattering. Physical Review Letters, 2006, 97, 262002.	2.9	150
6	Measurements of G_E and G_M from the $H_2(e, e')H_1$ Reaction to $Q^2=1.45(\text{GeV}/c)^2$. Physical Review Letters, 2003, 91, 122002.	2.9	149
7	Measurement of the Electric Form Factor of the Neutron at $Q^2=0.5$ and $1.0 \text{ GeV}^2/c^2$. Physical Review Letters, 2004, 92, 042301.	2.9	134
8	Phenomenology of the deuteron electromagnetic form factors. European Physical Journal A, 2000, 7, 421-427.	1.0	123
9	Deeply Virtual Compton Scattering off the Neutron. Physical Review Letters, 2007, 99, 242501.	2.9	122
10	Measurement of Tensor Polarization in Elastic Electron-Deuteron Scattering at Large Momentum Transfer. Physical Review Letters, 2000, 84, 5053-5057.	2.9	109
11	Probing the Repulsive Core of the Nucleon-Nucleon Interaction via the $\langle \text{He}^4 \rangle$		

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19	tion of the $\langle \text{mml:math xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"} \langle \text{mml:math display= "inline" } \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mi} \rangle \text{He} \langle \text{mml:mi} \rangle \langle \text{mml:mprescripts} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 7 \langle \text{mml:mn} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:math} \rangle$ Hypernucleus by the		

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37	Longitudinal Electroproduction of Charged Pions from H ¹ , H ² , and H ³ e. Physical Review Letters, 2001, 87, 202301.	2.9	17
38	An experimental program with high duty-cycle polarized and unpolarized positron beams at Jefferson Lab. European Physical Journal A, 2021, 57, 1.	1.0	17
39	Time-zero fission-fragment detector based on low-pressure multiwire proportional chambers. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 426, 405-419.	0.7	16
40	Separated spectral functions for the quasifree $^{12}\text{C}(e,e\epsilon^2p)$ reaction. Physical Review C, 2000, 61, .	1.1	16
41	Search for three-nucleon short-range correlations in light nuclei. Physical Review C, 2018, 97, .	1.1	14
42	Quasifree \hat{p} , \hat{n} , and $\hat{\Lambda}$ electroproduction from H ¹ , ² , He ³ , ⁴ , and carbon. Physical Review C, 2007, 76, .	1.1	11
43	Novel observation of isospin structure of short-range correlations in calcium isotopes. Physical Review C, 2020, 102, .	1.1	11
44	Hypernuclear spectroscopy program at JLab Hall C. Nuclear Physics A, 2008, 804, 125-138.	0.6	10
45	Electroproduction of kaons on light nuclei. Nuclear Physics A, 2001, 691, 37-42.	0.6	9
46	Electroproduction of kaons and light hypernuclei. Nuclear Physics A, 2001, 684, 470-474.	0.6	8
47	Beam charge asymmetries for deeply virtual Compton scattering off the proton. European Physical Journal A, 2021, 57, 1.	1.0	8
48	Neutron-unbound states in Ne ³¹ . Physical Review C, 2021, 104, .	1.1	8
49	The cross-section measurement for the $^3\text{H}(e, e\epsilon^2 K^+ n n)$ reaction. Progress of Theoretical and Experimental Physics, 2022, 2022, .	1.8	8
50	Kaon electroproduction on deuterium. Nuclear Physics A, 1998, 639, 197c-204c.	0.6	6
51	\hat{p} polarization in associated $K^+\hat{p}$ electro-production. Nuclear Physics A, 1999, 658, 362-371.	0.6	6
52	Future hypernuclear program at JLab Hall C. Nuclear Physics A, 2005, 754, 421-429.	0.6	6
53	Binding Energy of ^7He and Test of Charge Symmetry Breaking in the \hat{p} -N Interaction Potential. Journal of Physics: Conference Series, 2011, 312, 022015.	0.3	6
54	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.	1.0	6

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55	Measurement of longitudinal and transverse cross sections in the $^3\text{He}(e, e^{\prime})^3\text{H}$ reaction at $W=1.6$ GeV. Physical Review C, 2001, 65, .	1.1	5
56	Neutron electric form factor up to $Q^2 = 1.47$ GeV/c ² . European Physical Journal A, 2003, 17, 323-327.	1.0	5
57	Near threshold electroproduction of the ρ meson at $Q^2 \approx 0.5$ GeV ² . Physical Review C, 2004, 70, .	1.1	5
58	The HKS experiment on Λ -hypernuclear spectroscopy via electroproduction at JLab. Nuclear Physics A, 2007, 790, 679c-682c.	0.6	5
59	Dispersive effects from a comparison of electron and positron scattering from ^{12}C . Physical Review C, 1998, 57, 2107-2110.	1.1	3
60	Electron beam characteristics of a laser-driven plasma wakefield accelerator. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 438, 265-276.	0.7	3
61	New segmented target for studies of neutron unbound systems. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 977, 164284.	0.7	3
62	Deeply virtual Compton scattering using a positron beam in Hall-C at Jefferson Lab. European Physical Journal A, 2021, 57, 1.	1.0	3
63	Tensor polarization in elastic electron-deuteron scattering to the highest possible momentum transfers. Nuclear Physics A, 1999, 654, 493c-496c.	0.6	2
64	Energy distribution mapping of beta radioactive sources. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 578, 442-449.	0.7	2
65	Kaon, pion, and proton associated photofission of Bi nuclei. Physics of Atomic Nuclei, 2010, 73, 1707-1712.	0.1	2
66	Report on the American Association of Medical Physics Undergraduate Fellowship Programs. Journal of Applied Clinical Medical Physics, 2013, 14, 289-298.	0.8	2
67	Corrections to the one-photon approximation in the $0^+ \rightarrow 2^+$ transition of ^{12}C . Physical Review C, 2001, 63, .	1.1	1
68	Publisher's Note: Angular Distributions for ^3He Bound States in the $^3\text{He}_3,4(e, e^{\prime})^2\text{K}^+$ Reaction [Phys. Rev. Lett. 93, 242501 (2004)]. Physical Review Letters, 2004, 93, .	2.9	1
69	Brief summary on past workshops for a positron beam at JLab. , 2009, , .		1
70	Meson Photo-Production in GEANT4 for $E_{\gamma} = 0.225$ GeV using the $\gamma + p \rightarrow \pi^0 + p$ reaction. European Physical Journal A, 2019, 55, 1.	1.0	1
71	NEUTRON ELECTRIC FORM FACTOR VIA RECOIL POLARIMETRY. , 2003, , .		1
72	SU-E-T-289: Scintillating Fiber Based In-Vivo Dose Monitoring System to the Rectum in Proton Therapy of Prostate Cancer: A Geant4 Monte Carlo Simulation. Medical Physics, 2014, 41, 290-290.	1.6	1

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73	Status of the LILAC experiment. AIP Conference Proceedings, 2001, , .	0.3	0
74	The real-time dose measurement scintillating fiber array for intravascular brachytherapy procedures. , 2003, , .		0
75	The General Electron Induced Emission (GENIE) System. , 0, , .		0
76	Women in Physics in the United States. , 2009, , .		0
77	Application of MAGAT polymer gel dosimetry in breast balloon. Journal of Physics: Conference Series, 2013, 444, 012103.	0.3	0
78	ELECTROPRODUCTION OF STRANGENESS ON LIGHT NUCLEI. , 2003, , .		0
79	ELECTROPRODUCTION OF STRANGENESS ON LIGHT NUCLEI. , 2004, , .		0
80	SU-FF-T-39: Mono-Energetic Brachytherapy Sources. Medical Physics, 2005, 32, 1958-1958.	1.6	0
81	WE-E-342-02: (Part II) 50 Years of Women in Medical Physics - Symposium organized by the AAPM Minority Recruitment Subcommittee. Medical Physics, 2008, 35, 2959-2959.	1.6	0
82	SU-FF-T-390: In-Vivo Prostate Brachytherapy Absorbed Dose Measurements. Medical Physics, 2009, 36, 2611-2611.	1.6	0
83	SU-FF-T-668: A Simple Algorithm for Range Modulation Wheel Design in Proton Therapy. Medical Physics, 2009, 36, 2678-2679.	1.6	0
84	SU-FF-T-19: Accelerated Partial Breast Irradiation With Shielded MammoSite-Type Applicator. Medical Physics, 2009, 36, 2523-2523.	1.6	0
85	SU-FF-T-469: Energy Spectra Reconstruction From Beta Emitters: A Study of the Sr-90/Y-90 Case. Medical Physics, 2009, 36, 2631-2631.	1.6	0
86	SU-GG-T-96: Energy Differential Response of Cancer Cells for Low Dose Irradiation:Impact of Monoenergetic Brachytherapy Sources. Medical Physics, 2010, 37, 3206-3206.	1.6	0
87	SU-GG-T-49: Real Time Dose Verification for Novel Shielded Balloon Brachytherapy. Medical Physics, 2010, 37, 3195-3195.	1.6	0
88	WE-C-224-03: Medical Physics in Senegal: Status and Prospects. Medical Physics, 2011, 38, 3803-3803.	1.6	0
89	SU-E-T-290: Secondary Dose Monitoring Using Scintillating Fibers in Proton Therapy of Prostate Cancer: A Geant4 Monte Carlo Simulation. Medical Physics, 2014, 41, 291-291.	1.6	0
90	Meson photo-production in GEANT4 for $\gamma + p \rightarrow n + \pi^+$ reaction. European Physical Journal A, 2021, 57, 1.	1.0	0

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91	<p> Probing for high-momentum protons in ^4He via the ^4He xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:math><mml:mrow><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mrow></mml:math> via the ^4He xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mrow></mml:math> </p>		