

Donal B Day

List of Publications by Year in descending order

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98
papers

7,544
citations

38742

50
h-index

49909

87
g-index

98
all docs

98
docs citations

98
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
19	Precision measurement of the proton and deuteron spin structure functions g_2 and asymmetries A_2 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 553, 18-24.	4.1	143
20	New Measurements of High-Momentum Nucleons and Short-Range Structures in Nuclei. Physical Review Letters, 2012, 108, 092502.	7.8	143
21	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.	7.8	134
22	yscaling in electron-nucleus scattering. Physical Review Letters, 1987, 59, 427-430.	7.8	131
23	Experimental Verification of Quark-Hadron Duality. Physical Review Letters, 2000, 85, 1186-1189.	7.8	127
24	Precision measurement of the neutron magnetic form factor. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 336, 313-318.	4.1	121
25	Measurements of $R = \tilde{f}_L / \tilde{f}_T$ for $0.03 < x < 0.1$ and fit to world data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 452, 194-200.	4.1	112
26	Measurements of the Electric Form Factor of the Neutron up to $Q^2 = 3.4 \text{ GeV}^2/c^2$ in the Reaction $^3\text{He}(e, e')^3\text{He}$. Physical Review Letters, 2010, 105, 262302.	7.8	110
27	Evidence for Valencelike Quark-Hadron Duality. Physical Review Letters, 2000, 85, 1182-1185.	7.8	107
28	The $\pi^+ e^- \pi^+$ Reaction at and above the $S_{11}(1535)$ Baryon Resonance. Physical Review Letters, 2001, 86, 1702-1706.	7.8	102
29	Probing the Repulsive Core of the Nucleon-Nucleon Interaction via the $^4\text{He}(e, e')^4\text{He}$ Reaction.		

#	ARTICLE	IF	CITATIONS
37	Search for Effects Beyond the Born Approximation in Polarization Transfer Observables in eA Elastic Scattering. Physical Review Letters, 2011, 106, 132501.	7.8	80
38	Quasifree $(e,e'p)$ Reactions and Proton Propagation in Nuclei. Physical Review Letters, 1998, 80, 5072-5076.	7.8	79
39	Hadrons in the nuclear medium. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, R1-R45.	3.6	79
40	Quasielastic $(e,e'p)$ reaction on ^{12}C , ^{56}Fe , and ^{197}Au . Physical Review C, 2003, 68, .	2.9	75
41	Nuclear transparency from quasielastic $(e,e'p)$ reactions up to $Q^2=8.1(\text{GeV}/c)^2$. Physical Review C, 2002, 66, .	2.9	74
42	Measurements of the neutron electric to magnetic form factor ratio G_E/G_M via the $^2\text{H}(e,e'p)^1\text{H}$ reaction to $Q^2=1.45(\text{GeV}/c)^2$. Physical Review C, 2006, 73, .	2.9	74
43	Measurement of the Proton and Deuteron Spin Structure Function g_1 in the Resonance Region. Physical Review Letters, 1997, 78, 815-819.	7.8	70
44	Proton G_E/G_M from beam-target asymmetry. Physical Review C, 2006, 74, .	2.9	70
45	Measurement of Nuclear Transparency for the eA reaction. Physical Review Letters, 2007, 99, 082301.	7.8	67
46	Combined analysis of world data on nucleon spin structure functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 320, 400-406.	4.1	66
47	Scaling study of the pion electroproduction cross sections. Physical Review C, 2008, 78, .	2.9	59
48	Detailed study of the nuclear dependence of the EMC effect and short-range correlations. Physical Review C, 2012, 86, .	2.9	53
49	Applications of quark-hadron duality in the F_2 structure function. Physical Review C, 2009, 80, .	2.9	52
50	Longitudinal and transverse response functions in $^{56}\text{Fe}(e,e'p)$ at momentum transfer near 1 GeV/c. Physical Review Letters, 1991, 66, 1283-1286.	7.8	51
51	Nuclear matter response function. Physical Review C, 1989, 40, 1011-1024.	2.9	50
52	Measurement of the High Energy Two-Body Deuteron Photodisintegration Differential Cross Section. Physical Review Letters, 2001, 87, 102302.	7.8	49
53	The EMC effect of nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 16-20.	4.1	47
54	The ratio of proton electromagnetic form factors via recoil polarimetry at. Nuclear Physics A, 2006, 764, 261-273.	1.5	47

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55	Transverse momentum dependence of semi-inclusive pion production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 665, 20-25.	4.1	47
56	The Virginia/Basel/SLAC polarized target: operation and performance during experiment E143 at SLAC. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 356, 9-19.	1.6	41
57	x scaling of the nuclear structure function at large x . Physical Review C, 2001, 64, .	2.9	41
58	Electroproduction of mesons in the S_{11}	2.9	39
59	Proton Spin Structure in the Resonance Region. Physical Review Letters, 2007, 98, 132003.	7.8	37
60	High momentum transfer, inclusive response functions for ^3He . Physical Review Letters, 1992, 69, 41-44.	7.8	34
61	Nuclear transparency from quasielastic $^{12}\text{C}(e,e'p)$. Physical Review C, 2005, 72, .	2.9	34
62	Quasielastic and inelastic inclusive electron scattering by nuclear systems: Nucleon momentum distributions, spectral functions, and off-shell effects. Physical Review C, 1992, 46, 1045-1063.	2.9	32
63	Inelastic electron scattering from ^3He and ^4He in the threshold region at high momentum transfer. Physical Review C, 1982, 26, 1592-1609.	2.9	29
64	Nuclear structure functions at $x > 1$. Physical Review C, 1992, 45, 1582-1585.	2.9	26
65	Measurement of the polarisation of a high energy muon beam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 343, 363-373.	1.6	26
66	Neutral pion electroproduction in the resonance region at high Q^2	2.9	26
67	Probing Quark-Gluon Interactions with Transverse Polarized Scattering. Physical Review Letters, 2010, 105, 101601. Experimental study of the	7.8	26
68			

#	ARTICLE	IF	CITATIONS
73	Semi-inclusive charged-pion electroproduction off protons and deuterons: Cross sections, ratios, and access to the quark-parton model at low energies. <i>Physical Review C</i> , 2012, 85, .	2.9	19
74	Separated spectral functions for the quasifree $^{12}\text{C}(e,e\pi^2\text{p})$ reaction. <i>Physical Review C</i> , 2000, 61, .	2.9	16
75	Measurement of the deuteron polarization in a large target. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 349, 334-344.	1.6	15
76	Inclusive hadron photoproduction from longitudinally polarized protons and deuterons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999, 458, 536-544.	4.1	14
77	A study of lithium deuteride as a material for a polarized target. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1999, 425, 23-36.	1.6	14
78	Inclusive electron scattering at high Q^2 in the region $1 < x < 3$. <i>Nuclear Physics A</i> , 1988, 478, 397-406.	1.5	11
79	Polarization Components in π^0 Photoproduction at Photon Energies up to 5.6 GeV. <i>Physical Review Letters</i> , 2012, 108, 222004.	7.8	9
80	Off-shell corrections and moments of the deep inelastic nuclear structure functions. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998, 421, 46-52.	4.1	8
81	Searching for three-nucleon short-range correlations. <i>Physical Review C</i> , 2019, 100, .	2.9	8
82	Pion absorption in ^4He above the delta resonance. <i>Physical Review C</i> , 1993, 48, R485-R489.	2.9	6
83	Search for sub-threshold photoproduction of π^0 mesons. <i>Physical Review C</i> , 2009, 79, .	2.9	6
84	Neutron electric form factor up to $Q^2 = 1.47 \text{ GeV}^2/c^2$. <i>European Physical Journal A</i> , 2003, 17, 323-327.	2.5	5
85	Near threshold electroproduction of the π^0 meson at $Q^2 \approx 0.5 \text{ GeV}^2$. <i>Physical Review C</i> , 2004, 70, .	2.9	5
86	Inclusive quasielastic and deep inelastic electron scattering at high energies. <i>Nuclear Physics A</i> , 1991, 532, 255-269.	1.5	4
87	Measurement of the neutron electric form factor via recoil polarimetry. <i>European Physical Journal A</i> , 2003, 18, 181-183.	2.5	4
88	Nucleon elastic form factors. <i>European Physical Journal A</i> , 2007, 31, 560-565.	2.5	4
89	On-line system for NMR polarization measurement. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1995, 356, 91-95.	1.6	3
90	Is simultaneous π^0 scaling in the quasielastic region accidental?. <i>Physical Review C</i> , 2004, 69, .	2.9	3

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91	Depolarization of dynamically polarized solid targets due to beam heating effects. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 405, 1-12.	1.6	2
92	The Nucleon Elastic Form Factors. Nuclear Physics A, 2005, 755, 151-160.	1.5	2
93	Short Range Correlations, Inclusive Electron-Nucleus Scattering, and Scaling. AIP Conference Proceedings, 2008, , .	0.4	2
94	Nuclear transparency and effective kaon-nucleon cross section from the $A(e,e'K^+)$ reaction. Physical Review C, 2011, 84, .	2.9	2
95	Measurement of the neutron electric form factor G_E^n in $\lim_{Q^2 \rightarrow 0} \lim_{\omega \rightarrow 0} (e, e' n)_p$ quasielastic scattering. European Physical Journal A, 2003, 17, 329-334.	2.5	1
96	Spin structure results from E143. AIP Conference Proceedings, 1995, , .	0.4	0
97	Flavor Decomposition of Nucleon Spin Structure: A Proposed Experiment at Jefferson Lab Hall C. AIP Conference Proceedings, 2004, , .	0.4	0
98	Inclusive Electron Scattering from Nuclei in the Quasielastic Region. AIP Conference Proceedings, 2007, , .	0.4	0