

Donal B Day

List of Publications by Year in descending order

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7,544
citations

38742

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87
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98
all docs

98
docs citations

98
times ranked

1653
citing authors

#	ARTICLE	IF	CITATIONS
19	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
20	Inclusive quasielastic electron-nucleus scattering. Reviews of Modern Physics, 2008, 80, 189-224.	45.6	179
21	Short Range Correlations, Inclusive Electron-Nucleus Scattering, and Scaling. AIP Conference Proceedings, 2008, , .	0.4	2
22	Scaling study of the pion electroproduction cross sections. Physical Review C, 2008, 78, .	2.9	59
23	Proton Spin Structure in the Resonance Region. Physical Review Letters, 2007, 98, 132003.	7.8	37
24	Measurement of Nuclear Transparency for the $A \rightarrow e \nu_e \pi^+$ reaction. Physical Review Letters, 2007, 98, 132003.	7.8	67
25	Inclusive Electron Scattering from Nuclei in the Quasielastic Region. AIP Conference Proceedings, 2007, , .	0.4	0
26	Nucleon elastic form factors. European Physical Journal A, 2007, 31, 560-565.	2.5	4
27	Proton GE/GM from beam-target asymmetry. Physical Review C, 2006, 74, .	2.9	70
28	The ratio of proton electromagnetic form factors via recoil polarimetry at $Q^2 = 1.45 \text{ (GeV/c)}^2$. Nuclear Physics A, 2006, 764, 261-273.	1.5	47
29	Measurements of the neutron electric to magnetic form factor ratio G_E^n/G_M^n via the $H^2(e, e' n)H^1$ reaction at $Q^2 = 1.45 \text{ (GeV/c)}^2$. Physical Review C, 2006, 73, .	2.9	74
30	The Nucleon Elastic Form Factors. Nuclear Physics A, 2005, 755, 151-160.	1.5	2
31	Nuclear transparency from quasielastic $C^{12}(e, e' p)$. Physical Review C, 2005, 72, .	2.9	34
32	Flavor Decomposition of Nucleon Spin Structure: A Proposed Experiment at Jefferson Lab Hall C. AIP Conference Proceedings, 2004, , .	0.4	0
33	Near threshold electroproduction of the η' meson at $Q^2 \approx 0.5 \text{ GeV}^2$. Physical Review C, 2004, 70, .	2.9	5
34	Is simultaneous α^2 scaling in the quasielastic region accidental?. Physical Review C, 2004, 69, .	2.9	3
35	Correlated Strength in the Nuclear Spectral Function. Physical Review Letters, 2004, 93, 182501.	7.8	100
36	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

#	ARTICLE	IF	CITATIONS
37	Measurements of electron-proton elastic cross sections for $0.4 < Q^2 < 5.5 (\text{GeV}/c)^2$. Physical Review C, 2004, 70, .	2.9	178
38	Neutron electric form factor up to $Q^2 = 1.47 (\text{GeV}/c)^2$. European Physical Journal A, 2003, 17, 323-327.	2.5	5
39	Measurement of the neutron electric form factor G_E^n in $\lim_{Q^2 \rightarrow 0} \lim_{\omega \rightarrow 0} (e, e')p$ quasielastic scattering. European Physical Journal A, 2003, 17, 329-334.	2.5	1
40	Measurement of the neutron electric form factor via recoil polarimetry. European Physical Journal A, 2003, 18, 181-183.	2.5	4
41	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
42	Hadrons in the nuclear medium. Journal of Physics G: Nuclear and Particle Physics, 2003, 29, R1-R45.	3.6	79
43	Quasielastic $(e, e'p)$ reaction on ^{12}C , ^{56}Fe , and ^{197}Au . Physical Review C, 2003, 68, .	2.9	75
44	Measurements of G_E^n/G_M^n from the $^2\text{H}(e, e'p)^1\text{H}$ Reaction to $Q^2 = 1.45 (\text{GeV}/c)^2$. Physical Review Letters, 2003, 91, 122002.	7.8	149
45	Nuclear transparency from quasielastic $A(e, e'p)$ reactions up to $Q^2 = 8.1 (\text{GeV}/c)^2$. Physical Review C, 2002, 66, .	2.9	74
46	Measurement of the Electric Form Factor of the Neutron through $^2\text{H}(e, e'p)^1\text{H}$ at $Q^2 = 0.5 (\text{GeV}/c)^2$. Physical Review Letters, 2001, 87, 081801.	7.8	149
47	The $^2\text{H}(e, e'p)^1\text{H}$ Reaction at and above the $S_{11}(1535)$ Baryon Resonance. Physical Review Letters, 2001, 86, 1702-1706.	7.8	102
48	Q^2 scaling of the nuclear structure function at large x . Physical Review C, 2001, 64, .	2.9	41
49	Measurement of the High Energy Two-Body Deuteron Photodisintegration Differential Cross Section. Physical Review Letters, 2001, 87, 102302.	7.8	49
50	Measurements of the Q^2 -dependence of the proton and neutron spin structure functions g_1^p and g_1^n . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 493, 19-28.	4.1	224
51	Separated spectral functions for the quasifree $^{12}\text{C}(e, e'p)$ reaction. Physical Review C, 2000, 61, .	2.9	16
52	Experimental Verification of Quark-Hadron Duality. Physical Review Letters, 2000, 85, 1186-1189.	7.8	127
53	Evidence for Valencelike Quark-Hadron Duality. Physical Review Letters, 2000, 85, 1182-1185.	7.8	107
54	Inclusive Electron-Nucleus Scattering at Large Momentum Transfer. Physical Review Letters, 1999, 82, 2056-2059.	7.8	85

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55	Inclusive hadron photoproduction from longitudinally polarized protons and deuterons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 536-544.	4.1	14
56	Measurement of the proton and deuteron spin structure functions g_2 and asymmetry A_2 . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 529-535.	4.1	88
57	A study of lithium deuteride as a material for a polarized target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 425, 23-36.	1.6	14
58	A solid polarized target for high-luminosity experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 427, 440-454.	1.6	25
59	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
60	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
61	Off-shell corrections and moments of the deep inelastic nuclear structure functions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1998, 421, 46-52.	4.1	8
62	Measurements of the proton and deuteron spin structure functions g_1 and g_2 . Physical Review D, 1998, 58, .	4.7	339
63	Quasifree $(e, e'p)$ Reactions and Proton Propagation in Nuclei. Physical Review Letters, 1998, 80, 5072-5076.	7.8	79
64	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
65	Large enhancement of deuteron polarization with frequency modulated microwaves. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1996, 372, 339-343.	1.6	22
66	Measurements of the Proton and Deuteron Spin Structure Function g_2 and Asymmetry A_2 . Physical Review Letters, 1996, 76, 587-591.	7.8	146
67	Measurements of the Q^2 -dependence of the proton and deuteron spin structure functions g_{1p} and g_{1d} . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 364, 61-68.	4.1	89
68	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
69	On-line system for NMR polarization measurement. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 356, 91-95.	1.6	3
70	Spin structure results from E143. AIP Conference Proceedings, 1995, , .	0.4	0
71	Precision Measurement of the Proton Spin Structure Function g_{1p} . Physical Review Letters, 1995, 74, 346-350.	7.8	305
72	Precision Measurement of the Deuteron Spin Structure Function g_{1d} . Physical Review Letters, 1995, 75, 25-28.	7.8	213

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73	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
74	Measurement of the deuteron polarization in a large target. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 334-344.	1.6	15
75	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
76	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
77	Measurement of the spin-dependent structure function $g_1(x)$ of the deuteron. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 302, 533-539.	4.1	354
78	Pion absorption in ^4He above the delta resonance. Physical Review C, 1993, 48, R485-R489.	2.9	6
79	Inclusive electron-nucleus scattering at high momentum transfer. Physical Review C, 1993, 48, 1849-1863.	2.9	87
80	Evidence for short-range correlations from high $Q^2(e,e\epsilon^{\text{TM}})$ reactions. Physical Review C, 1993, 48, 2451-2461.	2.9	158
81	Nuclear structure functions at $x > 1$. Physical Review C, 1992, 45, 1582-1585.	2.9	26
82	High momentum transfer $R_{T,L}$ inclusive response functions for $^3\text{He}, ^4\text{He}$. Physical Review Letters, 1992, 69, 41-44.	7.8	34
83	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
84	The EMC effect of nuclear matter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 274, 16-20.	4.1	47
85	Inclusive quasielastic and deep inelastic electron scattering at high energies. Nuclear Physics A, 1991, 532, 255-269.	1.5	4
86	Longitudinal and transverse response functions in $^56\text{Fe}(e,e\epsilon^{\text{TM}})$ at momentum transfer near 1 GeV/c. Physical Review Letters, 1991, 66, 1283-1286.	7.8	51
87	Scaling in Inclusive Electron-Nucleus Scattering. Annual Review of Nuclear and Particle Science, 1990, 40, 357-410.	10.2	186
88	Nuclear matter response function. Physical Review C, 1989, 40, 1011-1024.	2.9	50
89	Electroexcitation of the $\rho(1232)$ in nuclei. Physical Review Letters, 1989, 62, 1350-1353.	7.8	100
90	Inclusive electron scattering at high Q^2 in the region $1 < x < 3$. Nuclear Physics A, 1988, 478, 397-406.	1.5	11

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91	Longitudinal Response Functions and Sum Rules for Quasielastic Electron Scattering from H ₃ and He ₃ . Physical Review Letters, 1988, 61, 1706-1709.	7.8	100
92	yscaling in electron-nucleus scattering. Physical Review Letters, 1987, 59, 427-430.	7.8	131
93	Inelastic electron scattering from He ₃ and He ₄ in the threshold region at high momentum transfer. Physical Review C, 1982, 26, 1592-1609.	2.9	29
94	Pion-Deuteron Elastic Scattering for Momenta from 408 to 600 MeV/c. Physical Review Letters, 1981, 46, 1185-1188.	7.8	24
95	Longitudinal and Transverse Inelastic Electron Scattering from Fe ⁵⁶ . Physical Review Letters, 1980, 44, 965-968.	7.8	181
96	Nuclear High-Momentum Components and yScaling in Electron Scattering. Physical Review Letters, 1980, 45, 871-874.	7.8	189
97	Inclusive Electron Scattering from He ₃ . Physical Review Letters, 1979, 43, 1143-1146.	7.8	147
98	Elastic Electron Scattering from He ₃ and He ₄ at High Momentum Transfer. Physical Review Letters, 1978, 40, 1429-1432.	7.8	223