

# T William Donnelly

## List of Publications by Year in descending order

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53  
papers

1,700  
citations

331670

21  
h-index

276875

41  
g-index

54  
all docs

54  
docs citations

54  
times ranked

387  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutrino energy reconstruction from semi-inclusive samples. <i>Physical Review C</i> , 2022, 105, .	2.9	10
2	Neutrino-nucleus scattering in the SuSA model. <i>European Physical Journal: Special Topics</i> , 2021, 230, 4321-4338.	2.6	12
3	Neutral-current neutrino scattering from the deuteron. <i>Physical Review C</i> , 2020, 101, .	2.9	0
4	Constraints in modeling the quasielastic response in inclusive lepton-nucleus scattering. <i>Physical Review C</i> , 2020, 101, .	2.9	27
5	Charged-current quasielastic (anti)neutrino cross sections on $^{12}\text{C}$ with realistic spectral functions including meson-exchange contributions. <i>AIP Conference Proceedings</i> , 2019, , .	0.4	3
6	Nuclear theory and event generators for charge-changing neutrino reactions. <i>Physical Review C</i> , 2019, 100, .	2.9	12
7	Realistic spectral function model for charged-current quasielastic-like neutrino and antineutrino scattering cross sections on $^{\langle\text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"}\rangle\langle\text{mml:mmultiscripts}\rangle\langle\text{mml:mi mathvariant="normal"}\rangle\text{C}\langle\text{mml:mprescripts}/\rangle\langle\text{mml:none}/\rangle\langle\text{mml:binomial}\rangle\langle\text{mml:binomialmultiscripts}\rangle\langle\text{mml:math}\rangle$ . <i>Physical Review C</i> , 2019, 99, .	2.9	17
8	Mean-field and two-body nuclear effects in inclusive electron scattering on argon, carbon, and titanium: The superscaling approach. <i>Physical Review C</i> , 2019, 99, .	2.9	19
9	Neutrino- $^{16}\text{O}$ scattering in the SuSAv2-MEC model. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 015104.	3.6	28
10	Asymmetric relativistic Fermi gas model for quasielastic lepton-nucleus scattering. <i>Physical Review C</i> , 2018, 98, .	2.9	8
11	Density dependence of 2p-2h meson-exchange currents. <i>Physical Review C</i> , 2017, 95, .	2.9	15
12	Emission of neutron-proton and proton-proton pairs in electron scattering induced by meson-exchange currents. <i>Physical Review C</i> , 2016, 94, .	2.9	9
13	Charged-current inclusive neutrino cross sections in the superscaling model including quasielastic, pion production and meson-exchange contributions. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2016, 43, 045101.	3.6	28
14	Unified approach to electron and neutrino elastic scattering off nuclei with an application to the study of the axial structure. <i>Physical Review C</i> , 2015, 92, .	2.9	8
15	Evaluation of theoretical uncertainties in parity-violating electron scattering from nucleons and nuclei. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2015, 42, 034006.	3.6	7
16	Parity violation in quasielastic electron-nucleus scattering within the relativistic impulse approximation. <i>Physical Review C</i> , 2015, 91, .	2.9	5
17	Parity violation and dynamical relativistic effects in $(e, e'2N)$ reactions. <i>Physical Review C</i> , 2015, 91, .	2.9	3
18	Extensions of superscaling from relativistic mean field theory: The SuSAv2 model. <i>Physical Review C</i> , 2014, 90, .	2.9	79

#	ARTICLE	IF	CITATIONS
19	Nuclear physics aspects involved in studies of low-Q parity-violating electron scattering from nuclei. , 2013, , .		1
20	Connecting scaling with short-range correlations. Physical Review C, 2011, 84, .	2.9	2
21	Relativistic analyses of quasielastic neutrino cross sections at MiniBooNE kinematics. Physical Review D, 2011, 84, .	4.7	68
22	Scaling function, spectral function, and nucleon momentum distribution in nuclei. Physical Review C, 2011, 83, .	2.9	25
23	Superscaling predictions for NC and CC quasi-elastic neutrino-nucleus scattering. , 2011, , .		0
24	Meson-exchange currents and final-state interactions in quasielastic electron scattering at high momentum transfers. Physical Review C, 2010, 81, .	2.9	10
25	Scaling function and nucleon momentum distribution. Physical Review C, 2010, 81, .	2.9	15
26	Role of mesons in the electromagnetic form factors of the nucleon. Physical Review C, 2010, 82, .	2.9	27
27	Pionic correlations and meson-exchange currents in two-particle emission induced by electron scattering. Physical Review C, 2010, 82, .	2.9	38
28	Fermion propagators in space-time. Physical Review C, 2009, 80, .	2.9	2
29	Superscaling of non-quasielastic electron-nucleus scattering. Physical Review C, 2009, 80, .	2.9	32
30	Neutrino Interactions Importance to Nuclear Physics. AIP Conference Proceedings, 2009, , .	0.4	2
31	Model for BCS-type correlations in superscaling. Physical Review C, 2008, 78, .	2.9	5
32	Final-state interactions in the superscaling analysis of neutral-current quasielastic neutrino scattering. Physical Review C, 2008, 77, .	2.9	10
33	Final-state interactions and superscaling in the semi-relativistic approach to quasielastic electron and neutrino scattering. Physical Review C, 2007, 75, .	2.9	46
34	Neutrino-nucleus interactions. European Physical Journal A, 2007, 31, 409-414.	2.5	0
35	Superscaling and neutral current quasielastic neutrino-nucleus scattering. Physical Review C, 2006, 73, .	2.9	45
36	Semirelativistic description of quasielastic neutrino reactions and superscaling in a continuum shell model. Physical Review C, 2005, 71, .	2.9	64

#	ARTICLE	IF	CITATIONS
37	Superscaling in Charged Current Neutrino Quasielastic Scattering in the Relativistic Impulse Approximation. <i>Physical Review Letters</i> , 2005, 95, 252502.	7.8	84
38	Using electron scattering superscaling to predict charge-changing neutrino cross sections in nuclei. <i>Physical Review C</i> , 2005, 71, .	2.9	153
39	Inelastic electron-nucleus scattering and scaling at high inelasticity. <i>Physical Review C</i> , 2004, 69, .	2.9	48
40	Analysis of polarized $^{16}\text{O}(e, e'p)$ observables within the relativistic distorted wave impulse approximation. <i>Physical Review C</i> , 2004, 69, .	2.9	17
41	Extended superscaling of electron scattering from nuclei. <i>Physical Review C</i> , 2002, 65, .	2.9	105
42	Quasielastic scattering from relativistic bound nucleons: $R_{\text{TL}}$ response. , 1999, , .		0
43	Superscaling of inclusive electron scattering from nuclei. <i>Physical Review C</i> , 1999, 60, .	2.9	139
44	Spin-orbit final-state interaction in the framework of Glauber theory for $(e, e'p)$ reactions. <i>Physical Review C</i> , 1999, 59, 2676-2688.	2.9	15
45	Quasielastic Scattering from Relativistic Bound Nucleons: Transverse-Longitudinal Response. <i>Physical Review Letters</i> , 1999, 83, 5451-5454.	7.8	85
46	Superscaling in Inclusive Electron-Nucleus Scattering. <i>Physical Review Letters</i> , 1999, 82, 3212-3215.	7.8	110
47	Relativistic effects in the electromagnetic current at GeV energies. <i>Physical Review C</i> , 1998, 57, 2438-2452.	2.9	49
48	Semileptonic electroweak interactions with nucleons and nuclei. <i>European Physical Journal D</i> , 1995, 45, 121-151.	0.4	0
49	On the role of interference effects in inclusive deuteron electrodisintegration. <i>AIP Conference Proceedings</i> , 1995, , .	0.4	0
50	Parity-violating asymmetry in elastic $e\text{-}^4\text{He}$ scattering. , 1995, , .		0
51	Non-standard physics and nucleon strangeness in low-energy PV electron scattering. <i>Zeitschrift für Physik C-Particles and Fields</i> , 1993, 57, 559-568.	1.5	10
52	POLARIZATION DEGREES OF FREEDOM IN ELECTRON SCATTERING FROM NUCLEI. , 1991, , 566-607.		2
53	Scaling in Inclusive Electron-Nucleus Scattering. <i>Annual Review of Nuclear and Particle Science</i> , 1990, 40, 357-410.	10.2	186