

A B Mcdonald

List of Publications by Year in descending order

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40
papers

7,867
citations

236925

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docs citations

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times ranked

3954
citing authors

#	ARTICLE	IF	CITATIONS
1	First Direct Detection Constraints on Planck-Scale Mass Dark Matter with Multiple-Scatter Signatures Using the DEAP-3600 Detector. <i>Physical Review Letters</i> , 2022, 128, 011801.	7.8	22
2	Pulse-shape discrimination against low-energy Ar-39 beta decays in liquid argon with 4.5 tonne-years of DEAP-3600 data. <i>European Physical Journal C</i> , 2021, 81, 823.	3.9	12
3	Decay in ^{76}Ge . <i>Physical Review Letters</i> , 2007, 98, 011801.	7.8	162
4	DarkSide-20k: A 20 tonne two-phase LAr TPC for direct dark matter detection at LNGS. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	247
5	First Results from the DEAP-3600 Dark Matter Search with Argon at SNOLAB. <i>Physical Review Letters</i> , 2018, 121, 071801.	7.8	52
6	Current Status and Future Prospects of the SNO+ Experiment. <i>Advances in High Energy Physics</i> , 2016, 2016, 1-21.	1.1	185
7	SEARCHES FOR HIGH-FREQUENCY VARIATIONS IN THE ^{8}B SOLAR NEUTRINO FLUX AT THE SUDBURY NEUTRINO OBSERVATORY. <i>Astrophysical Journal</i> , 2010, 710, 540-548.	4.5	24
8	Low-energy-threshold analysis of the Phase I and Phase II data sets of the Sudbury Neutrino Observatory. <i>Physical Review C</i> , 2010, 81, .	2.9	196
9	Measurement of the cosmic ray and neutrino-induced muon flux at the Sudbury neutrino observatory. <i>Physical Review D</i> , 2009, 80, .	4.7	42
10	The MAJORANA Project. <i>Journal of Physics: Conference Series</i> , 2009, 173, 012007.	0.4	16
11	Independent Measurement of the Total Active ^{8}B Solar Neutrino Flux Using an Array of ^{76}Ge . <i>Physical Review Letters</i> , 2007, 98, 011801.	7.8	262
12	Determination of the $^{1/2}\epsilon$ and total ^{8}B solar neutrino fluxes using the Sudbury Neutrino Observatory Phase I data set. <i>Physical Review C</i> , 2007, 75, .	2.9	112
13	A Search for Neutrinos from the Solar ^{8}B Reaction and the Diffuse Supernova Neutrino Background with the Sudbury Neutrino Observatory. <i>Astrophysical Journal</i> , 2006, 653, 1545-1551.	4.5	63
14	Sudbury Neutrino Observatory Results. , 2006, , .		0
15	Search for periodicities in the ^{8}B solar neutrino flux measured by the Sudbury Neutrino Observatory. <i>Physical Review D</i> , 2005, 72, .	4.7	54
16	Electron energy spectra, fluxes, and day-night asymmetries of ^{8}B solar neutrinos from measurements with NaCl dissolved in the heavy-water detector at the Sudbury Neutrino Observatory. <i>Physical Review C</i> , 2005, 72, .	2.9	459
17	Sudbury Neutrino Observatory Results. <i>Physica Scripta</i> , 2005, T121, 29-32.	2.5	12
18	Constraints on Nucleon Decay via Invisible Modes from the Sudbury Neutrino Observatory. <i>Physical Review Letters</i> , 2004, 92, 102004.	7.8	40

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19	Electron antineutrino search at the Sudbury Neutrino Observatory. <i>Physical Review D</i> , 2004, 70, .	4.7	33
20	Astrophysical neutrino telescopes. <i>Review of Scientific Instruments</i> , 2004, 75, 293-316.	1.3	33
21	Solar neutrinos. <i>New Journal of Physics</i> , 2004, 6, 121-121.	2.9	32
22	Measurement of the Total Active B^8 Solar Neutrino Flux at the Sudbury Neutrino Observatory with Enhanced Neutral Current Sensitivity. <i>Physical Review Letters</i> , 2004, 92, 181301.	7.8	654
23	Measurement of Day and Night Neutrino Energy Spectra at SNO and Constraints on Neutrino Mixing Parameters. <i>Physical Review Letters</i> , 2002, 89, 011302.	7.8	812
24	Direct Evidence for Neutrino Flavor Transformation from Neutral-Current Interactions in the Sudbury Neutrino Observatory. <i>Physical Review Letters</i> , 2002, 89, 011301.	7.8	2,236
25	Measurement of the Rate of $\bar{\nu}_e + d \rightarrow p + p + e^-$ Interactions Produced by B^8 Solar Neutrinos at the Sudbury Neutrino Observatory. <i>Physical Review Letters</i> , 2001, 87, 071301.	7.8	1,593
26	Facility for parity and time reversal experiments with intense epithermal (eV) neutron beams. <i>Hyperfine Interactions</i> , 1988, 43, 117-126.	0.5	4
27	Polarized, high-density, gaseous He^3 targets. <i>Physical Review C</i> , 1987, 36, 2244-2251.	2.9	115
28	Weak pion-nucleon coupling strength: New constraint from parity mixing in F^{18} . <i>Physical Review C</i> , 1987, 35, 1119-1131.	2.9	64
29	Measurement of Parity Nonconservation in the Proton-Proton Total Cross Section at 800 MeV. <i>Physical Review Letters</i> , 1986, 57, 1680-1683.	7.8	55
30	Parity nonconservation in proton-water scattering at 1.5 GeV/c. <i>Physical Review D</i> , 1985, 31, 1151-1154.	4.7	9
31	Parity Mixing of 0^+ and 0^+ Levels in F^{18} . <i>Physical Review Letters</i> , 1985, 55, 791-794.	7.8	38
32	Upper limit on the isovector parity-violating decay width of the $0^+ T=1$ state of Li^6 . <i>Physical Review C</i> , 1984, 29, 755-763.	2.9	16
33	Parity violation in the np system at low energy. <i>AIP Conference Proceedings</i> , 1981, , .	0.4	1
34	An experiment to measure parity violation in the $2H(\hat{1}^3, n)H$ reaction. <i>AIP Conference Proceedings</i> , 1981, , .	0.4	0
35	Measurement of Pair Emission from the 2.8-MeV Parity-Mixed Doublet of Ne^{21} . <i>Physical Review Letters</i> , 1981, 47, 1720-1723.	7.8	5
36	Observation of the Capture Reaction $H^2(\hat{1}^{\pm}, \hat{1}^3)Li^6$ and Its Role in Production of Li^6 in the Big Bang. <i>Physical Review Letters</i> , 1981, 47, 1867-1870.	7.8	106

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37	Gamma-ray lifetimes for parity doublets in ^{41}K , ^{41}Ca . <i>Physical Review C</i> , 1980, 21, 2322-2327.	2.9	3
38	Knight shifts and absolute magnetic moments in trans-bismuth nuclei. <i>Hyperfine Interactions</i> , 1978, 4, 219-223.	0.5	24
39	Upper Limit on Parity Mixing in ^{21}Ne . <i>Physical Review Letters</i> , 1978, 41, 145-148.	7.8	55
40	Lifetimes of Low Lying Levels of ^{18}O , ^{18}Ne . <i>Canadian Journal of Physics</i> , 1974, 52, 1381-1388.	1.1	19