

Jeffrey Nico

List of Publications by Year in descending order

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47
papers

3,002
citations

304743

22
h-index

276875

41
g-index

47
all docs

47
docs citations

47
times ranked

1591
citing authors

#	ARTICLE	IF	CITATIONS
1	Search for electron-neutrino transitions to sterile states in the BEST experiment. Physical Review C, 2022, 105, .	2.9	31
2	Measurement of the neutron decay electron-antineutrino angular correlation by the aCORN experiment. Physical Review C, 2021, 103, .	2.9	19
3	Experimental upper bound and theoretical expectations for parity-violating neutron spin rotation in ^4He . Physical Review C, 2019, 100, .	2.9	6
4	Precision determination of absolute neutron flux. Metrologia, 2018, 55, 460-485.	1.2	8
5	aCORN: An experiment to measure the electron-antineutrino correlation coefficient in free neutron decay. Review of Scientific Instruments, 2017, 88, 083503.	1.3	4
6	The aCORN backscatter-suppressed beta spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 867, 51-57.	1.6	7
7	Measurement of the Electron-Antineutrino Angular Correlation in Neutron β Decay. Physical Review Letters, 2017, 119, 042502.	7.8	33
8	Precision Measurement of the Radiative β Decay of the Free Neutron. Physical Review Letters, 2016, 116, 242501.	7.8	23
9	Development and characterization of a high sensitivity segmented Fast Neutron Spectrometer (FaNS-2). Journal of Instrumentation, 2016, 11, P01006-P01006.	1.2	8
10	A slow neutron polarimeter for the measurement of parity-odd neutron rotary power. Review of Scientific Instruments, 2015, 86, 055101.	1.3	14
11	Significant disparity in base and sugar damage in DNA resulting from neutron and electron irradiation. Journal of Radiation Research, 2014, 55, 1081-1088.	1.6	10
12	Characterization of a ^6Li -loaded liquid organic scintillator for fast neutron spectrometry and thermal neutron detection. Applied Radiation and Isotopes, 2013, 77, 130-138.	1.5	36
13	Improved Determination of the Neutron Lifetime. Physical Review Letters, 2013, 111, 222501.	7.8	185
14	Time reversal and the neutron. Hyperfine Interactions, 2013, 214, 97-104.	0.5	1
15	Time reversal and the neutron. , 2013, , 97-104.		0
16	A new limit on time-reversal violation in beta decay: Results of the emiTII experiment. , 2012, , .		0
17	Ga source experiment for detection of short baseline neutrino oscillations. Journal of Physics: Conference Series, 2012, 375, 042068.	0.4	1
18	Search for a T -odd, P -even triple correlation in neutron decay. Physical Review C, 2012, 86, .	2.9	34

#	ARTICLE	IF	CITATIONS
19	Upper bound on parity-violating neutron spin rotation in He4. Physical Review C, 2011, 83, .	2.9	36
20	New Limit on Time-Reversal Violation in Beta Decay. Physical Review Letters, 2011, 107, 102301.	7.8	43
21	Radiative β decay of the free neutron. Physical Review C, 2010, 81, .	2.9	26
22	Measurement of the solar neutrino capture rate with gallium metal. III. Results for the 2002–2007 data-taking period. Physical Review C, 2009, 80, .	2.9	457
23	A sectioned spectrometer of fast neutrons. Instruments and Experimental Techniques, 2009, 52, 25-32.	0.5	0
24	Neutron beta decay. Journal of Physics G: Nuclear and Particle Physics, 2009, 36, 104001.	3.6	51
25	MEASURING $^6\text{Li}(n,t)^3\text{He}$ AND $^{10}\text{B}(n,\alpha)^7\text{Li}$ CROSS SECTIONS USING THE NIST ALPHA-GAMMA DEVICE. , 2009, , .		3
26	Radiative decay of the free neutron. AIP Conference Proceedings, 2007, , .	0.4	2
27	Development of a segmented fast neutron spectrometer. Physics of Atomic Nuclei, 2007, 70, 133-139.	0.4	1
28	Measurement of the response of a Ga solar neutrino experiment to neutrinos from an ^{37}Ar source. Journal of Physics: Conference Series, 2006, 39, 284-286.	0.4	3
29	Measurement of the response of a Ga solar neutrino experiment to ^{37}Ar source. Physics of Atomic Nuclei, 2006, 69, 1820-1828.	0.4	0
30	Proposed Measurement of the Parity-Violating Neutron Spin Rotation in ^4He . AIP Conference Proceedings, 2006, , .	0.4	1
31	Neutron Lifetime Measurements. AIP Conference Proceedings, 2006, , .	0.4	1
32	Measurement of the response of a Ga solar neutrino experiment to neutrinos from a ^{37}Ar source. Physical Review C, 2006, 73, .	2.9	243
33	Measurement of the neutron lifetime by counting trapped protons in a cold neutron beam. Physical Review C, 2005, 71, .	2.9	92
34	The fundamental neutron physics facilities at NIST. Journal of Research of the National Institute of Standards and Technology, 2005, 110, 137.	1.2	23
35	Detecting the radiative decay mode of the neutron. Journal of Research of the National Institute of Standards and Technology, 2005, 110, 421.	1.2	5
36	emiT: An apparatus to test time reversal invariance in polarized neutron decay. Review of Scientific Instruments, 2004, 75, 5343-5355.	1.3	20

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37	A cryogenic radiometer for absolute neutron rate measurement. Review of Scientific Instruments, 2003, 74, 4280-4293.	1.3	8
38	Measurement of the Neutron Lifetime Using a Proton Trap. Physical Review Letters, 2003, 91, 152302.	7.8	48
39	Solar neutrino flux measurements by the Soviet-American gallium experiment (SAGE) for half the 22-year solar cycle. Journal of Experimental and Theoretical Physics, 2002, 95, 181-193.	0.9	375
40	Solar neutrino results and present status. Physics of Atomic Nuclei, 2002, 65, 2156-2160.	0.4	0
41	Solar-neutrino results from SAGE. Physics of Atomic Nuclei, 2000, 63, 943-950.	0.4	8
42	New limit on the D coefficient in polarized neutron decay. Physical Review C, 2000, 62, .	2.9	45
43	Measurement of the response of a gallium metal solar neutrino experiment to neutrinos from a ^{51}Cr source. Physical Review C, 1999, 59, 2246-2263.	2.9	229
44	Measurement of the solar neutrino capture rate with gallium metal. Physical Review C, 1999, 60, .	2.9	458
45	The Russian-American Gallium Experiment (SAGE) Cr Neutrino Source Measurement. Physical Review Letters, 1996, 77, 4708-4711.	7.8	275
46	Direct search for two-photon decay modes of orthopositronium. Physical Review Letters, 1991, 66, 1302-1305.	7.8	26
47	Precision measurement of the orthopositronium decay rate using the vacuum technique. Physical Review Letters, 1990, 65, 1344-1347.	7.8	103