

Dirk Dubbers

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

934
citations

759233
12
h-index

677142
22
g-index

23
all docs

23
docs citations

23
times ranked

649
citing authors

#	ARTICLE	IF	CITATIONS
1	The neutron and its role in cosmology and particle physics. Reviews of Modern Physics, 2011, 83, 1111-1171.	45.6	187
2	Is the Unitarity of the Quark-Mixing CKM Matrix Violated in Neutron β -Decay?. Physical Review Letters, 2002, 88, 211801.	7.8	151
3	Characterization of a ballistic supermirror neutron guide. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 562, 407-417.	1.6	135
4	Measurement of the Weak Axial-Vector Coupling Constant in the Decay of Free Neutrons Using a Pulsed Cold Neutron Beam. Physical Review Letters, 2019, 122, 242501.	7.8	121
5	A clean, bright, and versatile source of neutron decay products. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 596, 238-247.	1.6	65
6	Pulsed-beam neutron-lifetime measurement. Physical Review Letters, 1988, 60, 995-998.	7.8	63
7	Particle physics with cold neutrons. Progress in Particle and Nuclear Physics, 1991, 26, 173-252.	14.4	44
8	A long ballistic supermirror guide for cold neutrons at ILL. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 453-457.	1.6	38
9	The new neutron decay spectrometer Perkeo III. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2009, 611, 216-218.	1.6	34
10	Precise Measurements of the Decay of Free Neutrons. Annual Review of Nuclear and Particle Science, 2021, 71, 139-163.	10.2	18
11	Neutron Decay with PERC: a Progress Report. Journal of Physics: Conference Series, 2012, 340, 012048.	0.4	16
12	Design of the magnet system of the neutron decay facility PERC. EPJ Web of Conferences, 2019, 219, 04007.	0.3	14
13	The point spread function of electrons in a magnetic field, and the decay of the free neutron. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 112-119.	1.6	11
14	The transmission of a lossy curved supermirror neutron guide. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 349, 302-306.	1.6	8
15	Magnetic guidance of charged particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 306-310.	4.1	8
16	Supermirror beam bender and concentrator for slow neutrons. Journal of Neutron Research, 1996, 5, 81-88.	1.1	5
17	Electron time-of-flight: A new tool in β -decay spectroscopy. Physical Review C, 2018, 97, .	2.9	4
18	The Present Status of Particle Physics with Slow Neutrons. Physics Procedia, 2014, 51, 13-18.	1.2	3

#	ARTICLE	IF	CITATIONS
19	Generation of narrow peaks in spectroscopy of charged particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2016, 837, 50-57.	1.6	3
20	Comparison of underwater with conventional pumped hydro-energy storage systems. Journal of Energy Storage, 2021, 35, 102283.	8.1	3
21	Accurate Measurement of the Beta-Asymmetry in Neutron Decay Rules out Dark Decay Mode. Journal of Surface Investigation, 2020, 14, S140-S143.	0.5	2
22	Study of silicon photomultipliers for use in neutron decay experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2021, 1009, 165456.	1.6	1