

Dirk Dubbers

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

934
citations

758635

12
h-index

676716

22
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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. <i>Reviews of Modern Physics</i> , 2011, 83, 1111-1171.	16.4	187
2	Is the Unitarity of the Quark-Mixing CKM Matrix Violated in Neutron β -Decay?. <i>Physical Review Letters</i> , 2002, 88, 211801.	2.9	151
3	Characterization of a ballistic supermirror neutron guide. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2006, 562, 407-417.	0.7	135
4	Measurement of the Weak Axial-Vector Coupling Constant in the Decay of Free Neutrons Using a Pulsed Cold Neutron Beam. <i>Physical Review Letters</i> , 2019, 122, 242501.	2.9	121
5	A clean, bright, and versatile source of neutron decay products. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2008, 596, 238-247.	0.7	65
6	Pulsed-beam neutron-lifetime measurement. <i>Physical Review Letters</i> , 1988, 60, 995-998.	2.9	63
7	Particle physics with cold neutrons. <i>Progress in Particle and Nuclear Physics</i> , 1991, 26, 173-252.	5.6	44
8	A long ballistic supermirror guide for cold neutrons at ILL. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2002, 485, 453-457.	0.7	38
9	The new neutron decay spectrometer Perkeo III. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2009, 611, 216-218.	0.7	34
10	Precise Measurements of the Decay of Free Neutrons. <i>Annual Review of Nuclear and Particle Science</i> , 2021, 71, 139-163.	3.5	18
11	Neutron Decay with PERC: a Progress Report. <i>Journal of Physics: Conference Series</i> , 2012, 340, 012048.	0.3	16
12	Design of the magnet system of the neutron decay facility PERC. <i>EPJ Web of Conferences</i> , 2019, 219, 04007.	0.1	14
13	The point spread function of electrons in a magnetic field, and the decay of the free neutron. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2014, 763, 112-119.	0.7	11
14	The transmission of a lossy curved supermirror neutron guide. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1994, 349, 302-306.	0.7	8
15	Magnetic guidance of charged particles. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2015, 748, 306-310.	1.5	8
16	Supermirror beam bender and concentrator for slow neutrons. <i>Journal of Neutron Research</i> , 1996, 5, 81-88.	0.4	5
17	Electron time-of-flight: A new tool in β -decay spectroscopy. <i>Physical Review C</i> , 2018, 97, .	1.1	4
18	The Present Status of Particle Physics with Slow Neutrons. <i>Physics Procedia</i> , 2014, 51, 13-18.	1.2	3

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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.	0.7	3
20	Comparison of underwater with conventional pumped hydro-energy storage systems. Journal of Energy Storage, 2021, 35, 102283.	3.9	3
21	Accurate Measurement of the Beta-Asymmetry in Neutron Decay Rules out Dark Decay Mode. Journal of Surface Investigation, 2020, 14, S140-S143.	0.1	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.	0.7	1