Dirk Dubbers

List of Publications by Year
in descending order

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	Comparison of underwater with conventional pumped hydro-energy storage systems. Journal of Energy Storage, 2021, 35, 102283.	8.1	3
2	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
3	Precise Measurements of the Decay of Free Neutrons. Annual Review of Nuclear and Particle Science, 2021, 71, 139-163.	10.2	18
4	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
5	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
6	Design of the magnet system of the neutron decay facility PERC. EPJ Web of Conferences, 2019, 219, 04007.	0.3	14
7	Electron time-of-flight: A new tool in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î²</mml:mi></mml:math> -decay spectroscopy. Physical Review C, 2018, 97, .	2.9	4
8	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
9	Magnetic guidance of charged particles. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2015, 748, 306-310.	4.1	8
10	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
11	The Present Status of Particle Physics with Slow Neutrons. Physics Procedia, 2014, 51, 13-18.	1.2	3
12	Neutron Decay with PERC: a Progress Report. Journal of Physics: Conference Series, 2012, 340, 012048.	0.4	16
13	The neutron and its role in cosmology and particle physics. Reviews of Modern Physics, 2011, 83, 1111-1171.	45.6	187
14	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
15	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
16	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
17	Is the Unitarity of the Quark-Mixing CKM Matrix Violated in NeutronÎ²-Decay?. Physical Review Letters, 2002, 88, 211801.	7.8	151
18	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

#	Article	IF	Citations
19	Supermirror beam bender and concentrator for slow neutrons. Journal of Neutron Research, 1996, 5, 81-88.	1.1	5
20	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
21	Particle physics with cold neutrons. Progress in Particle and Nuclear Physics, 1991, 26, 173-252.	14.4	44
22	Pulsed-beam neutron-lifetime measurement. Physical Review Letters, 1988, 60, 995-998.	7.8	63