D H Beck

List of Publications by Year
in descending order

22	707	759233 12	713466 21
papers	citations	h-index	g-index

22	22	22	946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Search for Neutrinoless Double- <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Î²</mml:mi></mml:mrow></mml:math> Decay with the Complete EXO-200 Dataset. Physical Review Letters, 2019, 123, 161802.	7.8	163
2	Search for Neutrinoless Double-Beta Decay with the Upgraded EXO-200 Detector. Physical Review Letters, 2018, 120, 072701.	7.8	152
3	PARITY-VIOLATINGELECTRONSCATTERING ANDNUCLEONSTRUCTURE. Annual Review of Nuclear and Particle Science, 2001, 51, 189-217.	10.2	94
4	A magnetically shielded room with ultra low residual field and gradient. Review of Scientific Instruments, 2014, 85, 075106.	1.3	59
5	Testing Dark Decays of Baryons in Neutron Stars. Physical Review Letters, 2018, 121, 061801.	7.8	57
6	A large-scale magnetic shield with 106 damping at millihertz frequencies. Journal of Applied Physics, 2015, 117, .	2.5	39
7	VUV-Sensitive Silicon Photomultipliers for Xenon Scintillation Light Detection in nEXO. IEEE Transactions on Nuclear Science, 2018, 65, 2823-2833.	2.0	29
8	An apparatus to manipulate and identify individual Ba ions from bulk liquid Xe. Review of Scientific Instruments, 2014, 85, 095114.	1.3	14
9	An apparatus for studying electrical breakdown in liquid helium at 0.4 K and testing electrode materials for the neutron electric dipole moment experiment at the Spallation Neutron Source. Review of Scientific Instruments, 2016, 87, 045113.	1.3	14
10	Searching for low mass dark matter via phonon creation in superfluid <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>He</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>4</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math>. Physical Review D, 2020, 102, .	4.7	13
11	Dressed spin of polarized<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>3</mml:mn></mml:msup></mml:math>He in a cell. Physical Review C, 2011, 84, .	2.9	12
12	A highly drift-stable atomic magnetometer for fundamental physics experiments. Applied Physics Letters, 2022, 120, .	3.3	12
13	Transport in very dilute solutions of3He in superfluid4He. Physical Review B, 2013, 88, .	3.2	8
14	Transport in ultradilute solutions of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>3</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>in superfluid<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">He</mml:mi><mml:mprescripts /><mml:none /><mml:mn>4</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>.	3.2	8
15	Observation of Isovector-Isoscalar Two-Body Currents in Deuteron Knockout from3He. Physical Review Letters, 1996, 76, 885-887.	7.8	7
16	Low-Temperature Transport Properties of Very Dilute Classical Solutions of ^{3} 3 He in Superfluid ^{4} 4 He. Journal of Low Temperature Physics, 2015, 178, 200-228.	1.4	6
17	Elementary quantum mechanics of the neutron with an electric dipole moment. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7438-7442.	7.1	6
18	Measurement of the Spectral Shape of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î²</mml:mi></mml:math> -Decay of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi>Xe</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>137</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow></mml:math> t	7.8	6

#	Article	IF	Citations
19	Reflectivity of VUV-sensitive silicon photomultipliers in liquid Xenon. Journal of Instrumentation, 2021, 16, P08002.	1.2	5
20	The G0 Spectrometer Superconducting Magnet System: From a Challenging Construction to Reliable Operations. IEEE Transactions on Applied Superconductivity, 2006, 16, 248-252.	1.7	2
21	Superconducting toroidal magnet design for the G0 experiment at TJNAF. IEEE Transactions on Applied Superconductivity, 1997, 7, 618-621.	1.7	1
22	Polarization transport at TJNAF: Simulations and measurements. , 1998, , .		0