Benjamin Heacock

List of Publications by Year
in descending order

16	173	1307594 7	1199594 12
papers	citations	h-index	g-index

16	16	16	182
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutron limit on the strongly-coupled chameleon field. Physical Review D, 2016, 93, .	4.7	42
2	Three Phase-Grating MoirÃ© Neutron Interferometer for Large Interferometer Area Applications. Physical Review Letters, 2018, 120, 113201.	7.8	33
3	Holography with a neutron interferometer. Optics Express, 2016, 24, 22528.	3.4	28
4	PendellÃ¶sung interferometry probes the neutron charge radius, lattice dynamics, and fifth forces. Science, 2021, 373, 1239-1243.	12.6	14
5	Decoupling of a neutron interferometer from temperature gradients. Review of Scientific Instruments, 2016, 87, 123507.	1.3	10
6	Neutron sub-micrometre tomography from scattering data. IUCrJ, 2020, 7, 893-900.	2.2	10
7	Magnetic link optimization for wireless power transfer applications: Modeling and experimental validation for resonant tubular coils. , 2012, , .		9
8	Neutron interferometer crystallographic imperfections and gravitationally induced quantum interference measurements. Physical Review A, 2017, 95, .	2.5	9
9	Precision Measurement of the Neutron Scattering Length of <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> Using Neutron Interferometry. Physical Review Letters, 2020, 124, 012501.	7.8	6
10	Increased interference fringe visibility from the post-fabrication heat treatment of a perfect crystal silicon neutron interferometer. Review of Scientific Instruments, 2018, 89, 023502.	1.3	4
11	Angular alignment and fidelity of neutron phase-gratings for improved interferometer fringe visibility. AIP Advances, 2019, 9, .	1.3	3
12	Measurement and alleviation of subsurface damage in a thick-crystal neutron interferometer. Acta Crystallographica Section A: Foundations and Advances, 2019, 75, 833-841.	0.1	2
13	Overview of neutron interferometry at NIST. EPJ Web of Conferences, 2019, 219, 06001.	0.3	2
14	Generalizing the quantum information model for dynamic diffraction. Physical Review A, 2022, 105, .	2.5	1
15	Structured neutron waves. , 2019, , .		0
16	Neutron interferometer crystallographic imperfections and gravitationally induced quantum interference measurements.. Physical Review A, 2017, 95, 013840-1384010.	2.5	0