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