Ben Ohayon

List of Publications by Year
in descending order

20 papers	213 citations	1162367 8 h-index	996533 15 g-index
20 all docs	20 docs citations	20 times ranked	245 citing authors

#	Article	IF	Citations
1	Precision Measurement of the Lamb Shift in Muonium. Physical Review Letters, 2022, 128, 011802.	2.9	16
2	Nuclear charge radii of Na isotopes: Interplay of atomic and nuclear theory. Physical Review C, 2022, 105, .	1.1	6
3	Muonium Lamb shift: theory update and experimental prospects. EPJ Web of Conferences, 2022, 262, 01001.	0.1	7
4	Benchmarking many-body approaches for the determination of isotope-shift constants: Application to the Li,ÂBe+ , and Ar15+ isoelectronic systems. Physical Review A, 2021, 103, .	1.0	4
5	Stable high power deep-uv enhancement cavity in ultra-high vacuum with fluoride coatings. Optics Express, 2021, 29, 27450.	1.7	12
6	Current status and prospects of muonium spectroscopy at PSI. SciPost Physics Proceedings, 2021, , .	0.2	6
7	Towards an Independent Determination of Muon <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>g</mml:mi><mml:mo>â^'</mml:mo><mml:mn>2</mml:mn></mml:mrow></mml:math> from Muonium Spectroscopy. Physical Review Letters, 2021, 127, 251801.	2.9	6
8	23Ne production at SARAF-I. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2020, 978, 164365.	0.7	1
9	Decay microscope for trapped neon isotopes. Physical Review C, 2020, 101, .	1.1	6
10	Intense beam of metastable Muonium. European Physical Journal C, 2020, 80, 804.	1.4	9
11	Imaging Recoil Ions from Optical Collisions between Ultracold, Metastable Neon Isotopes. Physical Review Letters, 2019, 123, 063401.	2.9	5
12	Isotope shifts in<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>20</mml:mn><mml:mo>,</mml:mo><mml:mn>22</mml:mn></mml:mrow></mml:mmultiscripts></mml:math Precision measurements and global analysis in the framework of intermediate coupling. Physical Review A, 2019, 99, .	1.0	15
13	Weak interaction studies at SARAF. Hyperfine Interactions, 2018, 239, 1.	0.2	14
14	The Soreq Applied Research Accelerator Facility (SARAF): Overview, research programs and future plans. European Physical Journal A, 2018, 54, 1.	1.0	75
15	Measurement of the ${}^{mathrm{20,22}}$Ne ${}^{3}{{m{P}}}_{2}{{m{mbox{--}}}}^{3}{{m{D}}}_{3}$ transition isotope shift using a single, phase-modulated laser beam. Journal of Physics B: Atomic, Molecular and Optical Physics, 2017, 50, 055401.	0.6	3
16	Research Programs And Plans At The Soreq Applied Research Accelerator Facility - SARAF. , 2017, , .		1
17	Investigation of different magnetic field configurations using an electrical, modular Zeeman slower. Review of Scientific Instruments, 2015, 86, 103110.	0.6	7
18	Characterization of a metastable neon beam extracted from a commercial RF ion source. Journal of Instrumentation, 2015, 10, P03009-P03009.	0.5	8

#	Article	IF	Citations
19	New approaches in designing a Zeeman Slower. Journal of Instrumentation, 2013, 8, P02016-P02016.	0.5	11
20	Branching Ratio Measurement in 23Ne Beta Decay. HNPS Advances in Nuclear Physics, 0, 26, 31.	0.0	1