

# Adam Vernon

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1499623/publications.pdf>

Version: 2024-02-01

24  
papers

583  
citations

623734

14  
h-index

610901

24  
g-index

26  
all docs

26  
docs citations

26  
times ranked

502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge radii of exotic potassium isotopes challenge nuclear theory and the magic character of $N=32$ . Nature Physics, 2021, 17, 439-443.	16.7	79
2	Spectroscopy of short-lived radioactive molecules. Nature, 2020, 581, 396-400.	27.8	78
3	Measurement and microscopic description of odd-even staggering of charge radii of exotic copper isotopes. Nature Physics, 2020, 16, 620-624.	16.7	76
4	The electron affinity of astatine. Nature Communications, 2020, 11, 3824.	12.8	42
5	Dipole and quadrupole moments of $^{73}\text{Cu}^{78+}$ as a test of the robustness of the $Z^{28}$ shell model. Physical Review Letters, 2021, 127, 033001.	2.9	41
6	Isotope Shifts of Radium Monofluoride Molecules. Physical Review Letters, 2021, 127, 033001.	7.8	23
7	Precision measurements of the charge radii of potassium isotopes. Physical Review C, 2019, 100, .	2.9	22
8	Nuclear moments of indium isotopes reveal abrupt change at magic number 82. Nature, 2022, 607, 260-265.	27.8	22
9	Laser-spectroscopy studies of the nuclear structure of neutron-rich radium. Physical Review C, 2018, 97, .	2.9	21
10	Simulation of the relative atomic populations of elements $1\text{Z}^{-89}$ following charge exchange tested with collinear resonance ionization spectroscopy of indium. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2019, 153, 61-83.	2.9	21
11	Analytic response relativistic coupled-cluster theory: the first application to indium isotope shifts. New Journal of Physics, 2020, 22, 012001.	2.9	21
12	High-Precision Multiphoton Ionization of Accelerated Laser-Ablated Species. Physical Review X, 2018, 8, .	8.9	17
13	Probing the $^{31}\text{Ga}$ ground-state properties in the region near $Z^{28}$ with high-resolution laser spectroscopy. Physical Review C, 2017, 96, .	2.9	15
14	Emergence of simple patterns in many-body systems: from macroscopic objects to the atomic nucleus. European Physical Journal A, 2020, 56, 1.	2.5	15
15	Optimising the Collinear Resonance Ionisation Spectroscopy (CRIS) experiment at CERN-ISOLDE. Nuclear Instruments & Methods in Physics Research B, 2020, 463, 384-389.	1.4	13
16	Laser spectroscopy of indium Rydberg atom bunches by electric field ionization. Scientific Reports, 2020, 10, 12306.	3.3	12
17	Tin resonance-ionization schemes for atomic- and nuclear-structure studies. Physical Review A, 2020, 102, .	2.5	12
18	Quadrupole moment of $^{203}\text{Fr}$ . Physical Review C, 2017, 96, .	2.9	10

#	ARTICLE	IF	CITATIONS
19	Electromagnetic moments of scandium isotopes and $N=Z$ isotones in the distinctive $0f_{7/2}$ orbit. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2022, 829, 137064.	4.1	10
20	Resonance ionization schemes for high resolution and high efficiency studies of exotic nuclei at the CRIS experiment. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 463, 398-402.	1.4	7
21	First demonstration of Doppler-free 2-photon in-source laser spectroscopy at the ISOLDE-RILIS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 463, 476-481.	1.4	6
22	A compact linear Paul trap cooler buncher for CRIS. <i>Nuclear Instruments &amp; Methods in Physics Research B</i> , 2020, 463, 375-377.	1.4	6
23	Radium ionization scheme development: The first observed autoionizing states and optical pumping effects in the hot cavity environment. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2018, 150, 99-104.	2.9	3
24	A compact RFQ cooler buncher for CRIS experiments. <i>Hyperfine Interactions</i> , 2019, 240, 1.	0.5	3