

# Shane G Wilkins

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

605  
citations

566801

15  
h-index

713013

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

516  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nuclear moments of indium isotopes reveal abrupt change at magic number 82. <i>Nature</i> , 2022, 607, 260-265.	13.7	22
2	CERN-MEDICIS: A Review Since Commissioning in 2017. <i>Frontiers in Medicine</i> , 2021, 8, 693682.	1.2	22
3	Isotope Shifts of Radium Monofluoride Molecules. <i>Physical Review Letters</i> , 2021, 127, 033001.	2.9	23
4	Mass measurements of $^{99}\text{In}$ challenge ab initio nuclear theory of the nuclide $^{100}\text{Sn}$ . <i>Nature Physics</i> , 2021, 17, 1099-1103.	6.5	21
5	Charge radii of exotic potassium isotopes challenge nuclear theory and the magic character of $N=Z$ . <i>Nature Physics</i> , 2021, 17, 439-443.	6.5	79
6	On the Feasibility of Rovibrational Laser Cooling of Radioactive $\text{RaF}^+$ and $\text{RaH}^+$ Cations. <i>Atoms</i> , 2021, 9, 101.	0.7	1
7	The electron affinity of astatine. <i>Nature Communications</i> , 2020, 11, 3824.	5.8	42
8	Tin resonance-ionization schemes for atomic- and nuclear-structure studies. <i>Physical Review A</i> , 2020, 102, .	1.0	12
9	Spectroscopy of short-lived radioactive molecules. <i>Nature</i> , 2020, 581, 396-400.	13.7	78
10	Analytic response relativistic coupled-cluster theory: the first application to indium isotope shifts. <i>New Journal of Physics</i> , 2020, 22, 012001.	1.2	21
11	Measurement and microscopic description of odd-even staggering of charge radii of exotic copper isotopes. <i>Nature Physics</i> , 2020, 16, 620-624.	6.5	76
12	Precision measurements of the charge radii of potassium isotopes. <i>Physical Review C</i> , 2019, 100, .	1.1	22
13	A compact RFQ cooler buncher for CRIS experiments. <i>Hyperfine Interactions</i> , 2019, 240, 1.	0.2	3
14	Laser-spectroscopy studies of the nuclear structure of neutron-rich radium. <i>Physical Review C</i> , 2018, 97, .	1.1	21
15	Probing the ground-state properties in the region near $Z=28$ with high-resolution laser spectroscopy. <i>Physical Review C</i> , 2017, 96, .	1.1	15
16	Quadrupole moment of $^{203}\text{Fr}$ . <i>Physical Review C</i> , 2017, 96, .	1.1	10
17	as a test of the robustness of the $Z=28$ shell. <i>Physical Review C</i> , 2017, 96, .	1.1	41
18	Achieving sensitive, high-resolution laser spectroscopy at CRIS. <i>Hyperfine Interactions</i> , 2017, 238, 1.	0.2	5

#	ARTICLE	IF	CITATIONS
19	Laser and decay spectroscopy of the short-lived isotope $^{214}\text{Fr}$ in the vicinity of the shell closure. <i>Physical Review C</i> , 2016, 94, .	1.1	15
20	Combined high-resolution laser spectroscopy and nuclear decay spectroscopy for the study of the low-lying states in $^{206}\text{Fr}$ , $^{202}\text{At}$ , and $^{198}\text{Bi}$ . <i>Physical Review C</i> , 2016, 93, .	1.1	14
21	Use of a Continuous Wave Laser and Pockels Cell for Sensitive High-Resolution Collinear Resonance Ionization Spectroscopy. <i>Physical Review Letters</i> , 2015, 115, 132501.	2.9	54