

Andrew M Rogers

List of Publications by Year in descending order

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70
papers

1,582
citations

304743

22
h-index

302126

39
g-index

71
all docs

71
docs citations

71
times ranked

1497
citing authors

#	ARTICLE	IF	CITATIONS
1	Neutron and Proton Transverse Emission Ratio Measurements and the Density Dependence of the Asymmetry Term of the Nuclear Equation of State. <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	200
2	r -process nucleosynthesis: connecting rare-isotope beam facilities with the cosmos. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2019, 46, 083001.	3.6	115
3	Projectile fragmentation of Ca40, Ca48, Ni58, and Ni64 at 140 MeV/nucleon. <i>Physical Review C</i> , 2006, 74, .	2.9	102
4	Neutron-Proton Asymmetry Dependence of Spectroscopic Factors in Ar Isotopes. <i>Physical Review Letters</i> , 2010, 104, 112701.	7.8	101
5	Superallowed β Decay to Doubly Magic Sn. <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	76
6	Configuration mixing and relative transition rates between low-spin states in ^{68}Ni . <i>Physical Review C</i> , 2013, 88, .	2.9	60
7	One-dimensionality in atomic nuclei: A candidate for linear-chain clustering in ^{12}C . <i>Physical Review C</i> , 2016, 93, .	2.9	53
8	Fragmentation cross sections and binding energies of neutron-rich nuclei. <i>Physical Review C</i> , 2007, 76, .	2.9	52
9	Investigation of particle-inbound excited states in light nuclei with resonance decay spectroscopy using a ^{12}C beam. <i>Physical Review C</i> , 2008, 78, .	2.9	47
10	Time-of-Flight Mass Measurements for Nuclear Processes in Neutron Star Crusts. <i>Physical Review Letters</i> , 2011, 107, 172503.	7.8	45
11	Mechanisms in Knockout Reactions. <i>Physical Review Letters</i> , 2009, 102, 232501.	7.8	41
12	Identification of deformed intruder states in semi-magic ^{70}Ni . <i>Physical Review Letters</i> , 2009, 102, 232501.	2.9	40
13	Low-spin states and the non-observation of a proposed 2202-keV, ^{34}Ar isomer. <i>Physical Review Letters</i> , 2008, 101, 172503.	2.9	39
14	Isomers in ^{68}Ni . <i>Physical Review C</i> , 2013, 88, .	2.9	36
15	Observation of the ^{208}Pb β decay. <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	36
16	Delayed- β -Proton Decay of ^{13}Zn . <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	35
17	Shell Effects at High Spin: Cases of ^{254}No . <i>Physical Review Letters</i> , 2006, 97, 052701.	7.8	34
18	Fusion Reactions with the One-Neutron Halo Nucleus ^{15}C . <i>Physical Review Letters</i> , 2011, 106, 172701.	7.8	33

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19	State Proton Decay of ^{69}Br and Implications for the ^{69}Se Particle decay of ^{69}Br . <i>Physical Review C</i> , 2007, 76, .	7.8	32
20	Proton Capture of the exotic ^{12}Be excited states. <i>Physical Review C</i> , 2007, 76, .	2.9	26
21	T_z Fe. <i>Physical Review C</i> , 2016, 93, .	2.9	26
22	Mirror-symmetry violation in bound nuclear ground states. <i>Nature</i> , 2020, 580, 52-55.	27.8	23
23	Seniority, collectivity, and $B(E2)$ in ^{72}Ni . <i>Physical Review C</i> , 2011, 84, .	2.9	22
24	Projectile fragmentation of ^{86}Kr at 64 MeV/nucleon. <i>Physical Review C</i> , 2007, 76, .	2.9	19
25	Structure of ^{14}B and the evolution of $N=9$ single-neutron isotones. <i>Physical Review C</i> , 2013, 88, .	2.9	19
26	Projectile fragmentation of radioactive beams of ^{68}Ni , ^{69}Cu , and ^{72}Zn . <i>Physical Review C</i> , 2009, 80, .	2.9	17
27	Single-particle and collective excitations in ^{63}Ni . <i>Physical Review C</i> , 2013, 88, .	2.9	16
28	Yrast structure of ^{206}Bi : Isomeric states and one-proton-particle, three-neutron-hole excitations. <i>Physical Review C</i> , 2012, 86, .	2.9	15
29	Sequence in ^{73}Ge . <i>Physical Review C</i> , 2012, 86, .	7.8	15
30	Extrapolation of neutron-rich isotope cross-sections from projectile fragmentation. <i>Europhysics Letters</i> , 2007, 79, 12001.	2.0	14
31	Double isobaric analog of ^{11}Li in ^{11}B . <i>Physical Review C</i> , 2012, 86, .	2.9	14
32	Design, construction, and characterization of a compact DD neutron generator designed for $^{40}\text{Ar}/^{39}\text{Ar}$ geochronology. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 903, 193-203.	1.6	14
33	\hat{I}^2 Decay in the Region of Neutron-deficient $^{69,70,71}\text{Kr}$. <i>Nuclear Data Sheets</i> , 2014, 120, 41-43.	2.2	12
34	Single-particle and collective excitations in ^{62}Ni . <i>Physical Review C</i> , 2016, 94, .	2.9	12
35	Low Energy Neutron Measurements in High Energy Density Plasmas using the National Ignition Facility. <i>Plasma and Fusion Research</i> , 2014, 9, 4404101-4404101.	0.7	11
36	Tracking rare-isotope beams with microchannel plates. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2015, 795, 325-334.	1.6	11

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37	<p>Role of the β decay in the development of collectivity in the ^{100}Zr nucleus. Physical Review C, 2015, 91, .</p> <p>The case of ^{100}Zr. Physical Review C, 2015, 91, .</p>	2.9	10
38	<p>^{69}Kr-delayed proton emission: A Trojan horse for studying states in proton-unbound ^{69}Br. Physical Review C, 2011, 84, .</p> <p>in proton-proton correlation functions in central $^{40}\text{Ca} + ^{40}\text{Ca}$ collisions. Physical Review C, 2013, 88, .</p>	2.9	9
39	<p>TOF-Bβ mass measurements of very exotic nuclides for astrophysical calculations at the NSCL. Journal of Physics G: Nuclear and Particle Physics, 2008, 35, 014045.</p>	3.6	8
41	<p>Single-neutron excitations in ^{18}N. Physical Review C, 2013, 88, .</p> <p>Level structure of ^{30}S: Implications for the astrophysical s-process. Physical Review C, 2013, 88, .</p>	2.9	8
42	<p>Implications for the astrophysical s-process. Physical Review C, 2013, 88, .</p>		

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55	Isospin effects in 40,48Ca+40,48Ca collisions. Nuclear Physics A, 2010, 834, 552c-554c.	1.5	2
56	Studying X-ray Burst Nucleosynthesis in the Laboratory. Journal of Physics: Conference Series, 2012, 403, 012033.	0.4	2
57	Exploring the stability of super heavy elements: First Measurement of the Fission Barrier of 254No. EPJ Web of Conferences, 2014, 66, 02046.	0.3	2
58	Spectroscopy of ^{30}P and the abundance of ^{29}Si in presolar grains. Physical Review C, 2022, 105, .	2.9	2
59	Ground-state proton decay of ^{69}Br and implications for therp-process ^{68}Se waiting-point. Journal of Physics: Conference Series, 2011, 312, 042020.	0.4	1
60	Beta decay of exotic T_{β}^{-1} and T_{β}^{-2} nuclei. , 2012, , .		1
61	Competition between \hat{I}^2 -delayed proton and \hat{I}^2 -delayed \hat{I}^3 decay of the exotic $T_z = \hat{I}^2$ nucleus ^{56}Zn and fragmentation of the IAS. , 2015, , .		1
62	Single-particle and collective excitations in ^{66}Zn . Physical Review C, 2022, 105, .	2.9	1
63	Fusion reactions with the one-neutron halo nucleus ^{15}C . EPJ Web of Conferences, 2011, 17, 13003.	0.3	0
64	Nuclear structure studies along the proton dripline at ATLAS. , 2011, , .		0
65	Publisher's Note: Level structure of ^{30}S : Implications for the astrophysical $^{29}\text{P}(p, \hat{I}^3)^{30}\text{S}$ reaction rate in ONe novae and x-ray bursts [Phys. Rev. C86, 042801(R) (2012)]. Physical Review C, 2012, 86, .	2.9	0
66	Publisher's Note: Fusion Reactions with the One-Neutron Halo Nucleus ^{15}C [Phys. Rev. Lett.106, 172701 (2011)]. Physical Review Letters, 2013, 111, .	7.8	0
67	Beta decay of exotic $T_z = -1, -2$ nuclei: the interesting case of ^{56}Zn . EPJ Web of Conferences, 2014, 66, 02077.	0.3	0
68	Evolution of Single-Particle Energies for $N=9$ Nuclei at Large N/Z . EPJ Web of Conferences, 2014, 66, 03098.	0.3	0
69	Competition of \hat{I}^2 -delayed protons and \hat{I}^2 -delayed \hat{I}^3 rays in ^{56}Zn and the exotic \hat{I}^2 -delayed \hat{I}^3 -proton decay. EPJ Web of Conferences, 2016, 117, 06019.	0.3	0
70	GAMOW-TELLER TRANSITIONS IN PROTON RICH NUCLEI DEDUCED FROM THE COMBINED STUDY OF \hat{I}^2 -DECAY AND CHARGE-EXCHANGE REACTIONS. , 2012, , .		0