

Paul DeYoung

List of Publications by Year in descending order

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56
papers

1,743
citations

394421

19
h-index

265206

42
g-index

56
all docs

56
docs citations

56
times ranked

894
citing authors

#	ARTICLE	IF	CITATIONS
1	Sub-barrier Fusion of $H6e$ with $B209i$. Physical Review Letters, 1998, 81, 4580-4583.	7.8	253
2	Transfer and/or Breakup Modes in the $H6e+B209i$ Reaction near the Coulomb Barrier. Physical Review Letters, 2000, 84, 5058-5061.	7.8	185
3	B_{α} decay of ^{26}O . Physical Review Letters, 2012, 108, 142503.	2.9	169
4	Elastic scattering and transfer in the $^6He+^{209}Bi$ system below the Coulomb barrier. Physical Review C, 2001, 63, .	2.9	162
5	Determination of the N_{α} shell closure at the Oxygen Drip Line. Physical Review Letters, 2008, 100, 152502.	7.8	137
6	Evidence for the Ground-State Resonance of ^{26}O . Physical Review Letters, 2012, 108, 142503.	7.8	105
7	Study of Two-Neutron Radioactivity in the Decay of ^{26}O . Physical Review Letters, 2013, 110, 152501.	7.8	72
8	Selective Population and Neutron Decay of an Excited State of ^{23}O . Physical Review Letters, 2007, 99, 112501.	7.8	67
9	Observation of a two-neutron cascade from a resonance in ^{24}O . Physical Review C, 2011, 83, .	2.9	42
10	First observation of the ^{13}Li ground state. Physical Review C, 2013, 87, .	2.9	33
11	Proton elastic scattering from 7Be at low energies. Physical Review C, 2001, 64, .	2.9	32
12	First observation of excited states in ^{12}Li . Physical Review C, 2010, 81, .	2.9	26
13	Spectroscopy of neutron-unbound ^{27}F . Physical Review C, 2012, 85, .	2.9	26
14	Elastic scattering of ^{10}Be on ^{208}Pb near the Coulomb barrier. Physical Review C, 2004, 69, .	2.9	24
15	Ground state energy and width of 7He . Physical Review Letters, 2009, 93, 112501.	2.9	23
16	Disappearance of the N_{α} shell. Physical Review C, 2009, 80, .	2.9	23
17	Three-body correlations in the ground-state decay of ^{26}O . Physical Review C, 2015, 91, .	2.9	23
18	Electrochemical Synthesis of Novel Zn-Doped TiO_2 Nanotube/ ZnO Nanoflake Heterostructure with Enhanced DSSC Efficiency. Nano-Micro Letters, 2016, 8, 381-387.	27.0	23

#	ARTICLE	IF	CITATIONS
19	First observation of ^{15}Be . Physical Review C, 2013, 88, .	2.9	22
20	Low-lying neutron unbound states in ^{12}Be . Physical Review C, 2014, 90, .	2.9	19
21	Systematic study of ^{15}Be for stable nickel isotopes. Physical Review C, 2015, 92, .	2.9	19
22	Spectroscopy of ^{13}C via resonance scattering of protons on ^8B . Physical Review C, 2007, 75, .	2.9	18
23	$(\hat{1}\pm, \hat{1}^3)$ cross section measurements in the region of light nuclei. Physical Review C, 2015, 92, .	2.9	18
24	Neutron-unbound states in ^{25}F . Physical Review C, 2011, 84, .	2.9	16
25	Two-neutron sequential decay of ^{24}O . Physical Review C, 2015, 92, .	2.9	16
26	Search for the ^{15}Be ground state. Physical Review C, 2013, 84, .	2.9	15
27	Search for ^{12}Be populating neutron-unbound states in ^{12}Be . Physical Review C, 2015, 92, .	2.9	14
28	Proton pair correlations and the neutrinoless double- β^2 decay of ^{76}Ge . Physical Review C, 2013, 87, .	2.9	13
29	Population of ^{13}Be in a ^{13}C nucleus. Physical Review C, 2015, 92, .	2.9	13
30	Search for excited states in ^{25}O . Physical Review C, 2017, 96, .	2.9	12
31	Spyrouet \hat{A} l.Replies:. Physical Review Letters, 2012, 109, .	7.8	11
32	Exploiting neutron-rich radioactive ion beams to constrain the symmetry energy. Physical Review C, 2013, 88, .	2.9	11
33	Unbound excited states of the ^{16}N shell nucleus. Physical Review C, 2015, 92, .	2.9	11
34	Search for unbound ^{15}Be states in ^{15}Be . Physical Review C, 2015, 92, .	2.9	11
35	Search for ^{14}Be in the reaction $^{14}\text{C} + ^{12}\text{C} \rightarrow ^{14}\text{Be} + ^{12}\text{C}$. Physical Review C, 2015, 92, .	2.9	9
36	Light charged particle emission in the matched reactions $^{280}\text{MeV } ^{40}\text{Ar} + ^{27}\text{Al}$ and $^{670}\text{MeV } ^{55}\text{Mn} + ^{12}\text{C}$: Inclusive studies. Physical Review C, 1999, 60, .	2.9	8

#	ARTICLE	IF	CITATIONS
37	Probing the production mechanism of the light γ -process nuclei. Physical Review C, 2013, 88, .	2.9	8
38	β -decay half-lives of neutron-rich nuclides in the β -decay region. Physical Review C, 2019, 99, .	2.9	6
39	Experimental verification of the Heisenberg uncertainty principle—An advanced undergraduate laboratory. American Journal of Physics, 1993, 61, 560-563.	0.7	5
40	Nonlinear coupled oscillators and Fourier transforms: An advanced undergraduate laboratory. American Journal of Physics, 1996, 64, 898-902.	0.7	5
41	Final state interaction or a 3H excited state?. Physical Review C, 2003, 68, .	2.9	5
42	Total absorption spectroscopy of the β decay of $\text{Zr}^{101,102}$ and Tc^{109} . Physical Review C, 2021, 103, .	2.9	5
43	β -decay feeding intensity distributions for $\text{Nb}^{103,104m}$. Physical Review C, 2021, 103, .	2.9	5
44	Neutron-unbound excited states of ^{23}N . Physical Review C, 2017, 95, .	2.9	4
45	Low-lying level structure of the neutron-unbound $N=7$ isotones. Physical Review C, 2020, 102, .	2.9	4
46	Constraining the astrophysical γ -process: Cross section measurement of the ^{84}Kr . Physical Review C, 2019, 99, .	2.9	4
47	Proton capture cross section of ^{72}Ge and astrophysical implications. Physical Review C, 2015, 92, .	2.9	3
48	Exploring Neutron-Rich Oxygen Isotopes with MoNA. AIP Conference Proceedings, 2007, , .	0.4	2
49	Observation of three-neutron sequential emission from ^{25}O . Physical Review C, 2019, 100, .	2.9	2
50	β -decay feeding intensity distributions of ^{71}Ni . Physical Review C, 2021, 103, .	2.9	2
51	Efficiency of the Modular Neutron Array (MoNA). , 2009, , .		1
52	Reply to "Comment on "Neutron knockout of ^{12}B populating neutron-unbound states in ^{11}Be ". Physical Review C, 2012, 86, .	2.9	1
53	Isobaric analog states of neutron-rich nuclei. Doppler shift as a measurement tool for resonance excitation functions. European Physical Journal A, 2005, 25, 259-260.	2.5	0
54	Doppler shift as a tool for studies of resonant (p,n) reactions with RIBs: Spectroscopy of ^7He . AIP Conference Proceedings, 2006, , .	0.4	0

#	ARTICLE	IF	CITATIONS
55	Nitrogen Beams with a National Electrostatics Corporation Alphasource Source and a 5SDH Accelerator. Journal of Undergraduate Reports in Physics, 2021, 31, 100004.	0.1	0
56	POPULATION OF NEUTRON UNBOUND STATES VIA TWO-PROTON KNOCKOUT REACTIONS. , 2008, , .		0