

Scott Marley

List of Publications by Year in descending order

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48
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430874

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434195

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all docs

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50
times ranked

1038
citing authors

#	ARTICLE	IF	CITATIONS
1	Reaction rate for carbon burning in massive stars. Physical Review C, 2018, 97, .	2.9	69
2	Democratic Decay of ${}^6\text{Be}$ Exposed by Correlations. Physical Review Letters, 2012, 109, 202502. http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \langle \text{mi} \text{Be} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 6 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$	7.8	59
3	and five particle decay channels of levels in light nuclei created using a ${}^{\text{C}}$ beam. Physical http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \langle \text{mi} \text{mathvariant="normal"} \text{C} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 93 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ beam. Physical http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \langle \text{mi} \text{mathvariant="bold"} \text{C} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 15 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ stretchy="false" > ($\langle \text{mrow} \rangle \langle \text{mi} \text{d} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{p} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{Tj ETQq0 0 0 rgBT} \rangle \langle \text{math} \rangle$ /Overlock	2.9	56
4	$\langle \text{mathvariant="bold"} \rangle \text{C} \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 16 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ Fusion of ${}^{60}\text{Ni} + {}^{100}\text{Mo}$ near and below the Coulomb barrier. European Physical Journal A, 2013, 49, 1.	2.5	42
5	Structure of ${}^{\text{He}}$ by proton removal from ${}^{\text{Li}}$. Physical Review Letters, 2014, 112, 192701. http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mrow} \rangle \langle \text{mn} \rangle 7 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$ by	2.9	40
6	wit $\langle \text{math} \rangle$ http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{mathvariant="normal"} \text{C} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 12 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$	7.8	39
7	First Experiment with HELIOS: The Structure of ${}^{\text{B}}$. Physical Review Letters, 2010, 104, 132501. http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \rangle \langle \text{mi} \text{mathvariant="bold"} \text{B} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 13 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$	7.8	36
8	Fusion Reactions with the One-Neutron Halo Nucleus ${}^{\text{C}}$. Physical Review Letters, 2011, 106, 172701. http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \rangle \langle \text{mi} \text{mathvariant="normal"} \text{C} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 15 \langle \text{mn} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$	7.8	33
9	Neutron single-particle strength outside the ${}^{\text{N}}$ core. Physical Review C, 2013, 87, . http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mrow} \rangle \langle \text{mi} \text{mathvariant="bold"} \text{N} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{mathvariant="bold"} \text{N} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{math} \rangle$ decay	2.9	32
10	of ${}^{\text{B}}$ http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mrow} \rangle \langle \text{mn} \rangle 2 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{p} \rangle \langle \text{mrow} \rangle \langle \text{math} \rangle$	2.9	29
11	Fusion hindrance for ${}^{\text{Al}} + {}^{\text{Sc}}$ and other systems with a positive Q value. Physical Review C, 2010, 81, . http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mrow} \rangle \langle \text{mn} \rangle 8 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{math} \rangle$	2.9	28
12	Single-neutron energies outside ${}^{136}\text{Xe}$. Physical Review C, 2011, 84, . http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{msup} \rangle \langle \text{mrow} \rangle \langle \text{mn} \rangle 136 \langle \text{mn} \rangle \langle \text{msup} \rangle \langle \text{math} \rangle$	2.9	28
13	Experimental study of the ${}^{\text{B}}$ http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{mmultiscripts} \rangle \langle \text{mi} \text{mathvariant="normal"} \text{B} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 11 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mrow} \rangle \langle \text{mi} \text{mathvariant="normal"} \text{B} \rangle \langle \text{mprescripts} \rangle \langle \text{none} \rangle \langle \text{mn} \rangle 12 \langle \text{mn} \rangle \langle \text{mrow} \rangle \langle \text{mmultiscripts} \rangle \langle \text{math} \rangle$	2.9	27
14	Isobaric multiplet mass equation for $A=7$ and 8 . Physical Review C, 2011, 84, .	2.9	20
15	First measurement of the ${}^{\text{Cl}}$ http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{msup} \rangle \langle \text{mrow} \rangle \langle \text{mn} \rangle 33 \langle \text{mn} \rangle \langle \text{msup} \rangle \langle \text{math} \rangle$ $\langle \text{math} \rangle$ Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 147 Td (http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{msup} \rangle \langle \text{mrow} \rangle \langle \text{mn} \rangle 19 \langle \text{mn} \rangle \langle \text{msup} \rangle \langle \text{math} \rangle$ O($\langle \text{math} \rangle$ Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 107 Td (http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{msup} \rangle \langle \text{mrow} \rangle \langle \text{mn} \rangle 19 \langle \text{mn} \rangle \langle \text{msup} \rangle \langle \text{math} \rangle$	2.9	19
16	Experimental study of the ${}^{\text{O}}$ http://www.w3.org/1998/Math/MathML display="inline" > $\langle \text{msup} \rangle \langle \text{mrow} \rangle \langle \text{mn} \rangle 19 \langle \text{mn} \rangle \langle \text{msup} \rangle \langle \text{math} \rangle$	2.9	19
17	Structure of ${}^{14}\text{B}$ and the evolution of $N=9$ single-neutron isotones. Physical Review C, 2013, 88, .	2.9	19

#	ARTICLE	IF	CITATIONS
19	Direct measurement of the $^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ reaction. Physical Review C, 2015, 91, . Recoil ions from the $^{23}\text{Na}(p,\alpha)^{20}\text{Ne}$ decay of ^{23}Na confined in a Paul trap. Physical Review C, 2018, 97, . Measurements of conversion electrons in the s-process branching point nucleus ^{176}Lu . European Physical Journal A, 2016, 52, 1.	7.8	19
20	Independent measurement of the Hoyle state ^{12}C feeding from $^{12}\text{C}(d,\alpha)^{11}\text{C}$ using Gammasphere. Physical Review C, 2016, 93, .	2.9	15
21	Evidence against the Efimov effect in ^{12}C from spectroscopy and astrophysics. Physical Review C, 2021, 103, .	2.9	13
22	Almost medium-free measurement of the Hoyle state direct-decay component with a TPC. Physical Review C, 2020, 102, .	2.9	13
23	Spin alignment of excited projectiles due to target spin-flip interactions. Physical Review C, 2015, 91, .	2.9	8
24	Recoil ions from the ^{134}Sb decay of ^{134}Sb confined in a Paul trap. Physical Review C, 2018, 97, .	2.9	8
25	Measurements of conversion electrons in the s-process branching point nucleus ^{176}Lu . European Physical Journal A, 2016, 52, 1.	2.5	7
26	-decay half-lives of ^{134}Sb and their isomeric yield ratio produced by the spontaneous fission of ^{252}Cf . Physical Review C, 2014, 90, .	2.9	7
27	Stretched states in ^{12}C with the (d,α) reaction. Physical Review C, 2014, 90, .	2.9	6
28	Independent measurement of the Hoyle state ^{12}C feeding from $^{12}\text{C}(d,\alpha)^{11}\text{C}$ using Gammasphere. Physical Review C, 2016, 93, .	2.9	6
29	Evidence against the Efimov effect in ^{12}C from spectroscopy and astrophysics. Physical Review C, 2021, 103, .	2.9	6
30	Study of the fusion reaction $^{12}\text{C} + ^{12}\text{C}$ at low beam energy. Journal of Physics: Conference Series, 2013, 420, 012120.	0.4	5
31	C+C Fusion Cross Sections Measurements for Nuclear Astrophysics. EPJ Web of Conferences, 2015, 96, 01001.	0.3	4
32	-delayed neutron emission studies of ^{137}I and ^{138}I . Physical Review C, 2015, 91, .	2.9	4
33	and ^{135}I -delayed-neutron studies of ^{135}I and ^{136}I . Physical Review C, 2015, 91, .	2.9	4
34	Experiments to Further the Understanding of the Triple-Alpha Process in Hot Astrophysical Scenarios. Physical Review C, 2009, 79, .		2
35	Studying X-ray Burst Nucleosynthesis in the Laboratory. Journal of Physics: Conference Series, 2012, 403, 012033.	0.4	2
36	Nucleon transfer reactions with exotic beams at ATLAS. European Physical Journal: Special Topics, 2007, 150, 79-82.	2.6	1

#	ARTICLE	IF	CITATIONS
37	Study of the $30P(\hat{l}\pm,p)[sup\ 33]S$ reaction using a gas-filled magnetic spectrograph. , 2010, , .		1
38	HELIOS - progress and possibilities. Journal of Physics: Conference Series, 2012, 381, 012095.	0.4	1
39	Two-proton decay of the ^{6}Be ground state and the double isobaric analog of ^{11}Li . Journal of Physics: Conference Series, 2013, 420, 012073.	0.4	1
40	\hat{l}^2 -decay measurements of ^{12}B with Gammasphere. EPJ Web of Conferences, 2014, 66, 07001.	0.3	1
41	The Structure of $[sup\ 7]He$. AIP Conference Proceedings, 2008, , .	0.4	0
42	$[sup\ 12]B(n,\hat{l}^3)\hat{a}$ €”the influence on r-process nucleosynthesis of light elements. , 2009, , .		0
43	Study of valence neutrons in ^{136}Xe with HELIOS. Journal of Physics: Conference Series, 2011, 312, 092034.	0.4	0
44	Fusion reactions with the one-neutron halo nucleus ^{15}C . EPJ Web of Conferences, 2011, 17, 13003.	0.3	0
45	Trends in the $g_{7/2}$ and $h_{11/2}$ neutron single-particle energies in $N = 51$ isotones. Journal of Physics: Conference Series, 2012, 381, 012100.	0.4	0
46	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
47	Evolution of Single-Particle Energies for $N=9$ Nuclei at Large N/Z . EPJ Web of Conferences, 2014, 66, 03098.	0.3	0
48	Status Update on the \hat{l}^2 - $\hat{l}^{1/2}$ Correlation Measurement in the \hat{l}^2 Decay of ^{8}B . , 2015, , .		0