

# Richard Longland

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1307960/publications.pdf>

Version: 2024-02-01

58  
papers

1,457  
citations

331670

21  
h-index

315739

38  
g-index

58  
all docs

58  
docs citations

58  
times ranked

935  
citing authors





#	ARTICLE	IF	CITATIONS
37	Matching of experimental and statistical-model thermonuclear reaction rates at high temperatures. <i>Physical Review C</i> , 2008, 78, .	2.9	7
38	Correlated uncertainties in Monte Carlo reaction rate calculations. <i>Astronomy and Astrophysics</i> , 2017, 604, A34.	5.1	7
39	Study of the $^{25}\text{Mg}(d,p)^{26}\text{Mg}$ reaction to constrain the $^{25}\text{Al}(p,\gamma)^{26}\text{Si}$ resonant reaction rates in nova burning conditions. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	7
40	New energy for the 133-keV resonance in the $^{23}\text{Na}(p,\gamma)^{24}\text{Mg}$ reaction and its impact on nucleosynthesis in globular clusters. <i>Physical Review C</i> , 2021, 104, .	2.9	6
41	Thermonuclear reaction rate of $^{30}\text{Si}(p,\gamma)^{31}\text{P}$ . <i>Physical Review C</i> , 2020, 102, .	2.9	5
42	Reaction rates for the $^{39}\text{K}(p,\gamma)^{40}\text{Ca}$ reaction. <i>Physical Review C</i> , 2018, 98, .	2.9	4
43	Shell-model studies of the astrophysical rp-process reactions $^{34}\text{Cl}(p,\gamma)^{35}\text{Ar}$ and $^{34}\text{Cl}(p,\gamma)^{35}\text{Ar}$ . <i>Physical Review C</i> , 2020, 102, .	2.9	4
44	Bayesian analysis of the $^{70}\text{Zn}(p,\gamma)^{71}\text{Ga}$ reaction. <i>Physical Review C</i> , 2018, 98, .	2.9	4
45	Evaluation of the $^{13}\text{O}(p,\gamma)^{14}\text{F}$ thermonuclear reaction rate and its impact on the isotopic composition of supernova grains. <i>Physical Review C</i> , 2020, 102, .	2.9	4
46	The impact of $^{17}\text{O}(p,\gamma)^{18}\text{F}$ reaction rate uncertainties on the s-process in rotating massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 2650-2657.	4.4	4
47	Excited states of $^{39}\text{Ca}$ and their significance in nova nucleosynthesis. <i>Physical Review C</i> , 2018, 98, .	2.9	3
48	Experimental study of $^{35}\text{Cl}$ excited states via $^{32}\text{S}(p,\gamma)^{35}\text{Cl}$ . <i>Physical Review C</i> , 2019, 99, .	2.9	3
49	Publisher's Note: Reaction rates for the $^{32}\text{S}(p,\gamma)^{35}\text{Cl}$ reaction. <i>Physical Review C</i> , 2019, 99, .	2.9	2
50	The TUNL Enge Split-Pole Spectrograph: a Facility Entirely Dedicated to Nuclear Astrophysics. <i>Physical Review Letters</i> , 2017, 118, 012501.		2
51	Experimental study of the $^{30}\text{Si}(\text{He}^3,d)^{31}\text{P}$ reaction and thermonuclear reaction rate of $^{30}\text{Si}(p,\gamma)^{31}\text{P}$ . <i>Physical Review C</i> , 2022, 105, .	2.9	2
52	Measurement of very low $^{13}\text{C}(n,\gamma)^{14}\text{C}$ cross sections of astrophysical interest. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012031.	0.4	1
53	On the parallelization of stellar evolution codes. <i>Computational Astrophysics and Cosmology</i> , 2018, 5, .	22.7	1
54	Correlated energy uncertainties in reaction rate calculations. <i>Astronomy and Astrophysics</i> , 2020, 642, A41.	5.1	1

#	ARTICLE	IF	CITATIONS
55	Monte-Carlo Reaction Rate Evaluation for Astrophysics. , 2010, , .		0
56	Current Status of the $^{22}\text{Ne} + \hat{s}$ -Process Neutron Source. Journal of Physics: Conference Series, 2012, 337, 012047.	0.4	0
57	The $^{20}\text{Ne}(\text{d}, \text{p})^{21}\text{Ne}$ transfer reaction in relation to the $s$ -process abundances. Journal of Physics: Conference Series, 2016, 665, 012026.	0.4	0
58	Shell-model studies of the astrophysical $rp$ -process reactions $^{34}\text{S}(p, \hat{p}^3)^{35}\text{Cl}$ and $^{34}\text{g,m Cl}(p, \hat{p}^3)^{35}\text{Ar}$ . Journal of Physics: Conference Series, 2020, 1643, 012064.	0.4	0