

László Csedreki

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

355
citations

840776

11
h-index

1125743

13
g-index

14
all docs

14
docs citations

14
times ranked

349
citing authors

#	ARTICLE	IF	CITATIONS
1	The baryon density of the Universe from an improved rate of deuterium burning. <i>Nature</i> , 2020, 587, 210-213. Direct Measurement of the $^{13}\text{C}(\alpha, n)^{12}\text{C}$ Reaction at Astrophysical Energies. <i>Physical Review Letters</i> , 2020, 125, 102501.	27.8	101
2	A high-efficiency gas target setup for underground experiments, and redetermination of the branching ratio of the 189.5 keV $^{22}\text{Ne}(p, \gamma)^{23}\text{Na}$ resonance. <i>European Physical Journal A</i> , 2018, 54, 1.	7.8	40
3	Improved background suppression for radiative capture reactions at LUNA with HPGe and BGO detectors. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2018, 45, 025203.	3.6	30
4	Direct measurements of low-energy resonance strengths of the $^{23}\text{Na}(p, \gamma)^{24}\text{Mg}$ reaction for astrophysics. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 795, 122-128.	4.1	23
5	Setup commissioning for an improved measurement of the $\text{D}(p, \gamma)^3\text{He}$ cross section at Big Bang Nucleosynthesis energies. <i>European Physical Journal A</i> , 2020, 56, 1.	2.5	22
6	Characterization of the LUNA neutron detector array for the measurement of the $^{13}\text{C}(\alpha, n)^{12}\text{C}$ reaction. <i>Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1000, 1-10.	1.6	21
7	A new approach to monitor ^{13}C -targets degradation in situ for $^{13}\text{C}(\alpha, n)^{12}\text{C}$. <i>Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2021, 1000, 1-10.	2.5	20
8	Improved pulse shape discrimination for high pressure ^3He counters. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2018, 906, 103-109.	1.6	19
9	Cross section of the reaction $^{18}\text{O}(p, \gamma)^{19}\text{F}$ at astrophysical energies: The 90 keV resonance and the direct capture component. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 797, 134900.	4.1	18
10	Measurement of the $^{13}\text{C}(\alpha, n)^{12}\text{C}$ reaction. <i>Physical Review C</i> , 2021, 104, 044601.	2.9	13
11	Underground Measurements of Nuclear Reaction Cross-Sections Relevant to AGB Stars. <i>Universe</i> , 2022, 8, 4.	2.5	6
12	Creating Histories: Different Perspectives, Controversial Narratives at Rákóczi, an Early Copper Age Site on the Great Hungarian Plain. <i>European Journal of Archaeology</i> , 2022, 25, 350-371.	0.5	3
13	Final results on the $^{13}\text{C}(\alpha, n)^{12}\text{C}$ cross section at low energies at LUNA. <i>EPJ Web of Conferences</i> , 2022, 260, 08003.	0.3	0