G F Ciani

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3244299/publications.pdf

Version: 2024-02-01

34	752	430874	526287
papers	citations	18	27
		h-index	g-index

35	35	35	563
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The baryon density of the Universe from an improved rate of deuterium burning. Nature, 2020, 587, 210-213.	27.8	101
2	Origin of meteoritic stardust unveiled by a revised proton-capture rate of 17O. Nature Astronomy, 2017, 1, .	10.1	64
3	Improved Direct Measurement of the 64.5 keV Resonance Strength in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">O</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>17</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo		

#	Article	IF	Citations
19	Cross section of the reaction 18O(p,Î³)19F at astrophysical energies: The 90 keV resonance and the direct capture component. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134900.	4.1	18
20	The Study of Key Reactions Shaping the Post-Main Sequence Evolution of Massive Stars in Underground Facilities. Frontiers in Astronomy and Space Sciences, 2021, 7, .	2.8	16
21	Low-energy resonances in the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">O</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts></mml:math> (<mml:math) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 652 Td (x	2.9	13
22	Underground experimental study finds no evidence of low-energy resonance in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mprescripts /><mml:none /><mml:mn>6</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:m /><mml:none /><mml:mn>7</mml:mn></mml:mmultiscripts></mml:mrow></mml:math>reaction. Physical Review C, 2020, 102, .	2.9	12
23	Precise resonance energies measured for energy calibration of particle accelerator using thin siliconâ€“nitride foils. Nuclear Instruments & Methods in Physics Research B, 2020, 478, 194-200.	1.4	9
24	Underground Measurements of Nuclear Reaction Cross-Sections Relevant to AGB Stars. Universe, 2022, 8, 4.	2.5	6
25	Target characterizations for direct measurement of the 13C(Î±, n)16O reaction at LUNA 400. EPJ Web of Conferences, 2017, 165, 01012.	0.3	5
26	Introduction of the new LUNA experimental setup for high precision measurement of the¹³C(Î±,n)¹⁶O reaction for astrophysical purposes. EPJ Web of Conferences, 2017, 165, 01017.	0.3	3
27	Neutron detection in nuclear astrophysics experiments: study of organic liquid scintillators. Journal of Physics: Conference Series, 2016, 689, 012016.	0.4	2
28	The challenging direct measurement of the 65 keV resonance strength of the ¹⁷O(p,Î³)¹⁸F reaction at LUNA. EPJ Web of Conferences, 2022, 260, 11003.	0.3	2
29	Feasibility study of the13C(Î±,n)16O reaction at LUNA. EPJ Web of Conferences, 2017, 136, 01010.	0.3	1
30	The LUNA Neutron Detector Array forÂthe Direct Measurement of the $$^{13}{hbox {C}}$$ ($$alpha) Tj ETQq0 0 0 rgBT /Overlock 10	0.2	1
31	Direct Measurement of the $$^{13}C(alpha ,n)^{16}O$$ Reaction at LUNA. Springer Proceedings in Physics, 2019, , 315-319.	0.2	0
32	Few-Nucleon Reactions in Underground Laboratory. Springer Proceedings in Physics, 2020, , 391-402.	0.2	0
33	Direct Measurement of the $${^{13}}C(alpha ,n)^{16}O$$ Reaction at LUNA. Springer Proceedings in Physics, 2020, , 277-282.	0.2	0
34	Cross section of the ¹³C(Î±,n)¹⁶O reaction at low energies. Journal of Physics: Conference Series, 2020, 1668, 012007.	0.4	0