

List of Publications by Year in descending order

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53
papers

2,977
citations

172457

29
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189892

50
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54
all docs

54
docs citations

54
times ranked

1539
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrogen Burning of ^{29}Si and Its Impact on Presolar Stardust Grains from Classical Novae. <i>Astrophysical Journal</i> , 2022, 928, 128. Constraining the P reaction rate in classical novae. <i>Astronomy and Astrophysics</i> , 2021, 653, A64.	4.5	0
2	Uncertainties in the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ reaction rate in classical novae. <i>Astronomy and Astrophysics</i> , 2021, 653, A64.	7.8	4
3	First inverse kinematics study of the $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction and its influence on the flux of cosmic rays from classical novae. <i>Astronomy and Astrophysics</i> , 2020, 634, A5.	2.9	2
4	Uncertainties in the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ reaction rate in classical novae. <i>Astronomy and Astrophysics</i> , 2021, 653, A64.	5.1	4
5	First inverse kinematics study of the $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction and its role in AGB star and classical nova nucleosynthesis. <i>Physical Review C</i> , 2020, 102, 024602.	2.9	9
6	Delayed proton decay and $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction and its role in AGB star and classical nova nucleosynthesis. <i>Physical Review C</i> , 2020, 102, 024602.	2.9	9
7	First inverse kinematics measurement of key resonances in the $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction at stellar temperatures. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 807, 135539.	4.1	7
8	^{12}C - ^{32}S models of classical novae. <i>Astronomy and Astrophysics</i> , 2020, 634, A5.	5.1	25
9	Experimentally well-constrained masses of ^{27}P and ^{27}S : Implications for studies of explosive binary systems. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2020, 802, 135213.	4.1	14
10	Laboratory evidence for co-condensed oxygen- and carbon-rich meteoritic stardust from nova outbursts. <i>Nature Astronomy</i> , 2019, 3, 626-630.	10.1	6
11	Application of the THM to the investigation of reactions induced by unstable nuclei: the $^{18}\text{F}(p, \alpha)^{15}\text{O}$ case. <i>EPJ Web of Conferences</i> , 2019, 223, 01030.	0.3	0
12	On Presolar Stardust Grains from CO Classical Novae. <i>Astrophysical Journal</i> , 2018, 855, 76.	4.5	25
13	On the parallelization of stellar evolution codes. <i>Computational Astrophysics and Cosmology</i> , 2018, 5, .	22.7	1
14	Three-dimensional simulations of the interaction between the nova ejecta, accretion disk, and companion star. <i>Astronomy and Astrophysics</i> , 2018, 613, A8.	5.1	16
15	Two-dimensional simulations of mixing in classical novae: The effect of white dwarf composition and mass. <i>Astronomy and Astrophysics</i> , 2018, 619, A121.	5.1	17
16	Measurement of key resonances for the $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction. <i>Physical Review C</i> , 2020, 102, 024602.	2.9	9
17	Delayed proton decay and $^{22}\text{Ne}(p, \alpha)^{19}\text{F}$ reaction and its role in AGB star and classical nova nucleosynthesis. <i>Physical Review C</i> , 2020, 102, 024602.	2.9	9

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37	Observational mysteries and theoretical challenges for abundance studies. , 2008, , 121-140.		22
38	Nucleosynthesis in classical nova explosions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, R431-R458.	3.6	90
39	The origin of presolar nova grains. Meteoritics and Planetary Science, 2007, 42, 1135-1143.	1.6	48
40	Nucleosynthesis in classical novae. Nuclear Physics A, 2006, 777, 550-578.	1.5	105
41	Measurement of the $E_{c.m.} = 184 \text{ keV}$ Resonance Strength in the $^{26}\text{Al}(p, \text{p}^{\dagger})^{27}\text{Si}$ Reaction. Physical Review Letters, 2006, 96, 252501.	7.8	70
42	Reevaluation of the $^{30}\text{P}(p, \text{p}^{\dagger})^{31}\text{S}$ astrophysical reaction rate from a study of the $T = 1/2$ mirror nuclei, ^{31}S and ^{31}P . Physical Review C, 2006, 73, .	2.9	40
43	The Imprint of Nova Nucleosynthesis in Presolar Grains. Astrophysical Journal, 2004, 612, 414-428.	4.5	155
44	The Effects of Thermonuclear Reaction Rate Variations on Nova Nucleosynthesis: A Sensitivity Study. Astrophysical Journal, Supplement Series, 2002, 142, 105-137.	7.7	222
45	Presolar Grains from Novae. Astrophysical Journal, 2001, 551, 1065-1072.	4.5	185
46	Synthesis of Intermediate Mass Elements in Classical Novae: From Si to Ca. Astrophysical Journal, 2001, 560, 897-906.	4.5	84
47	BATSE observations of classical novae. AIP Conference Proceedings, 2000, , .	0.4	8
48	Gamma-Ray Emission from Novae Related to Positron Annihilation: Constraints on its Observability Posed by New Experimental Nuclear Data. Astrophysical Journal, 1999, 526, L97-L100.	4.5	78
49	<i>Nuclear Uncertainties in the NeNa-MgAl Cycles and Production of</i>	4.5	155
50	Gamma-ray emission from individual classical novae. Monthly Notices of the Royal Astronomical Society, 1998, 296, 913-920.	4.4	93
51	Nucleosynthesis in Classical Novae: CO versus ONe White Dwarfs. Astrophysical Journal, 1998, 494, 680-690.	4.5	383
52	New Results on ^{26}Al Production in Classical Novae. Astrophysical Journal, 1997, 479, L55-L58.	4.5	60
53	On the Synthesis of ^7Li and ^7Be in Novae. Astrophysical Journal, 1996, 465, L27-L30.	4.5	83