Jordi JosÃ©

List of Publications by Year
in descending order

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53	2,977	172457	189892
papers	citations	29	50
		h-index	g-index

54	54	54	1539
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Nucleosynthesis in Classical Novae: CO versus ONe White Dwarfs. Astrophysical Journal, 1998, 494, 680-690.	4.5	383
2	The Effects of Thermonuclear Reactionâ€Rate Variations on Nova Nucleosynthesis: A Sensitivity Study. Astrophysical Journal, Supplement Series, 2002, 142, 105-137.	7.7	222
3	Presolar Grains from Novae. Astrophysical Journal, 2001, 551, 1065-1072.	4.5	185
4	Nuclear Uncertainties in the NeNaâ€MgAl Cycles and Production of documentclass{aastex} usepackage{amsbsy} usepackage{amsfonts} usepackage{amssymb} usepackage{bm} usepackage{mathrsfs} usepackage{pifont} usepackage{stmaryrd} usepackage{textcomp} usepackage{portland,xspace} usepackage{amsmath,amsxtra} usepackage[OT2,OT1]{fontenc} ewcommandcyr{ enewcommandmdefault{wncyr} enewcommandsfdefault{wncyss} enewcommandencodingdefault{OT2} ormalfont selectfont} DeclareTextFontCommand{extcyr.	4.5	155
5	The Imprint of Nova Nucleosynthesis in Presolar Grains. Astrophysical Journal, 2004, 612, 414-428.	4.5	155
6	The Effects of Variations in Nuclear Processes on Type I Xâ€Ray Burst Nucleosynthesis. Astrophysical Journal, Supplement Series, 2008, 178, 110-136.	7.7	112
7	Nucleosynthesis in classical novae. Nuclear Physics A, 2006, 777, 550-578.	1.5	105
8	Nucleosynthesis in type I X-ray bursts. Progress in Particle and Nuclear Physics, 2013, 69, 225-253.	14.4	99
9	Gamma-ray emission from individual classical novae. Monthly Notices of the Royal Astronomical Society, 1998, 296, 913-920.	4.4	93
10	Nucleosynthesis in classical nova explosions. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, R431-R458.	3.6	90
11	Synthesis of Intermediateâ€Mass Elements in Classical Novae: From Si to Ca. Astrophysical Journal, 2001, 560, 897-906.	4.5	84
12	On the Synthesis of [TSUP]7[/TSUP]Li and [TSUP]7[/TSUP]Be in Novae. Astrophysical Journal, 1996, 465, L27-L30.	4.5	83
13	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
14	Measurement of theEc.m.=184â€‰â€‰keVResonance Strength in theAl26g(p,Î³)Si27Reaction. Physical Review Letters, 2006, 96, 252501.	7.8	70
15	HYDRODYNAMIC MODELS OF TYPE I X-RAY BURSTS: METALLICITY EFFECTS. Astrophysical Journal, Supplement Series, 2010, 189, 204-239.	7.7	70
16	Kelvinâ€“Helmholtz instabilities as the source of inhomogeneous mixing in nova explosions. Nature, 2011, 478, 490-492.	27.8	70
17	New Results on [TSUP]26[/TSUP]A[CLC]l[/CLC] Production in Classical Novae. Astrophysical Journal, 1997, 479, L55-L58.	4.5	60
18	Impact of uncertainties in reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>Q</mml:mi></mml:mrow></mml:math>values on nucleosynthesis in type I x-ray bursts. Physical Review C, 2009, 79, .	2.9	57

#	Article	IF	Citations
19	NUCLEAR THERMOMETERS FOR CLASSICAL NOVAE. Astrophysical Journal, 2013, 762, 105.	4.5	53
20	STELLAR ORIGINS OF EXTREMELY ¹³C- AND ¹⁵N-ENRICHED PRESOLAR SIC GRAINS: NOVAE OR SUPERNOVAE?. Astrophysical Journal, 2016, 820, 140.	4.5	51
21	The origin of presolar nova grains. Meteoritics and Planetary Science, 2007, 42, 1135-1143.	1.6	48
22	Reevaluation of theP30(p,Î³)S31astrophysical reaction rate from a study of theT=1/2mirror nuclei,S31andP31. Physical Review C, 2006, 73, .	2.9	40
23	Classical-Nova Contribution to the Milky Wayâ€™s<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>26</mml:mn></mml:mmultiscripts></mml:math>Abundance: Exit Channel of the	7.8	40
24	Improving the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	2.9	38
25	xmlns:mml=" A Trojan Horse Approach to the Production of ¹⁸F in Novae. Astrophysical Journal, 2017, 846, 65.	4.5	38
26	Is<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mi>Î³</mml:mi></mml:math>-Ray Emission from Novae Affected by Interference Effects in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="bold">F</mml:mi><mml:mprescripts /><mml:none /><mml:mn>18</mml:mn></mml:mmultiscripts><mml:mo		

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37	Two-dimensional simulations of mixing in classical novae: The effect of white dwarf composition and mass. Astronomy and Astrophysics, 2018, 619, A121.	5.1	17
38	Three-dimensional simulations of the interaction between the nova ejecta, accretion disk, and companion star. Astronomy and Astrophysics, 2018, 613, A8.	5.1	16
39	Synthesis of C-rich dust in CO nova outbursts. Astronomy and Astrophysics, 2016, 593, A54.	5.1	15
40	Experimentally well-constrained masses of 27P and 27S: Implications for studies of explosive binary systems. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 802, 135213.	4.1	14
41	Performance improvements for nuclear reaction network integration. Astronomy and Astrophysics, 2014, 563, A67.	5.1	11
42	First inverse kinematics study of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mn>22</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> reaction and its role in AGB star and classical nova nucleosynthesis. Physical Review C, 2020, 102, .	2.9	9
43	Identification of the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>23</mml:mn></mml:mmultiscripts><mml:mspace width="0.28em" /><mml:mi>Î²</mml:mi></mml:mrow></mml:math> -delayed proton decay and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Na</mml:mi><mml:mprescripts /><mml:none /><mml:mn>22</mml:mn></mml:mmultiscripts></mml:math> destruction in novae. Physica	2.9	9
44	BATSE observations of classical novae. AIP Conference Proceedings, 2000, , .	0.4	8
45	First inverse kinematics measurement of key resonances in the 22Ne(p,Î³)23Na reaction at stellar temperatures. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 807, 135539.	4.1	7
46	Laboratory evidence for co-condensed oxygen- and carbon-rich meteoritic stardust from nova outbursts. Nature Astronomy, 2019, 3, 626-630.	10.1	6
47	New constraints on the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi>Al</mml:mi><mml:mprescripts /><mml:none /><mml:mn>25</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>p</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi> reaction and its influence on the flux of cosmic <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>Î³</mml:mi> rays from classi	2.9	5
48	Uncertainties in the¹⁸F(p,Î±)¹⁵O reaction rate in classical novae. Astronomy and Astrophysics, 2021, 653, A64.	5.1	4
49	Constraining 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">P</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>30</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo	7.8	4
50	Spectroscopy of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">P</mml:mi><mml:mprescripts /><mml:none /><mml:mn>30</mml:mn></mml:mmultiscripts></mml:math> and the abundance of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Si</mml:mi><mml:mprescripts /><mml:none /><mml:mn>29</mml:mn></mml:mmultiscripts></mml:math> in presolar grains. Physical R	2.9	2
51	On the parallelization of stellar evolution codes. Computational Astrophysics and Cosmology, 2018, 5, .	22.7	1
52	Application of the THM to the investigation of reactions induced by unstable nuclei: the 18F(p,Î±)15O case. EPJ Web of Conferences, 2019, 223, 01030.	0.3	0
53	Hydrogen Burning of ²⁹Si and Its Impact on Presolar Stardust Grains from Classical Novae. Astrophysical Journal, 2022, 928, 128.	4.5	0