Marco Pignatari

List of Publications by Year
in descending order

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177 papers	5,358 citations	66315 42 h-index	98753 67 g-index
189 all docs	189 docs citations	189 times ranked	2940 citing authors

#	Article	IF	Citations
1	THE WEAKs-PROCESS IN MASSIVE STARS AND ITS DEPENDENCE ON THE NEUTRON CAPTURE CROSS SECTIONS. Astrophysical Journal, 2010, 710, 1557-1577.	1.6	276
2	CONVECTIVE-REACTIVE PROTON-¹²C COMBUSTION IN SAKURAI'S OBJECT (V4334 SAGITTARII) AND IMPLICATIONS FOR THE EVOLUTION AND YIELDS FROM THE FIRST GENERATIONS OF STARS. Astrophysical Journal, 2011, 727, 89.	1.6	173
3	s-process production in rotating massive stars at solar and low metallicities. Monthly Notices of the Royal Astronomical Society, 2016, 456, 1803-1825.	1.6	173
4	NUGRID STELLAR DATA SET. I. STELLAR YIELDS FROM H TO BI FOR STARS WITH METALLICITIES Z = 0.02 and Z = 0.01. Astrophysical Journal, Supplement Series, 2016, 225, 24.	3.0	172
5	The <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="bold">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:mo) Tj ETQq1 1 0.784314 rgBT mathvariant="bold">O</mml:mn	16.4	162
6	Neutron Star Mergers Might Not Be the Only Source of r-process Elements in the Milky Way. Astrophysical Journal, 2019, 875, 106.	1.6	152
7	Galactic evolution of rapid neutron capture process abundances: the inhomogeneous approach. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1970-1981.	1.6	150
8	The s -Process in Massive Stars at Low Metallicity: The Effect of Primary ¹⁴ N from Fast Rotating Stars. Astrophysical Journal, 2008, 687, L95-L98.	1.6	143
9	Nucleosynthesis in the Early Galaxy. Astrophysical Journal, 2007, 671, 1685-1695.	1.6	141
10	Imprints of fast-rotating massive stars in the Galactic Bulge. Nature, 2011, 472, 454-457.	13.7	108
11	NuGrid stellar data set â€“ II. Stellar yields from H to Bi for stellar models with MZAMSÂ= 1â€“25ÂMâŠ™ and ZÂ= 0.0001â€“0.02. Monthly Notices of the Royal Astronomical Society, 2018, 480, 538-571.	1.6	104
12	IRON-GROUP ABUNDANCES IN THE METAL-POOR MAIN-SEQUENCE TURNOFF STAR HD 84937. Astrophysical Journal, 2016, 817, 53.	1.6	96
13	THE¹²C +¹²C REACTION AND THE IMPACT ON NUCLEOSYNTHESIS IN MASSIVE STARS. Astrophysical Journal, 2013, 762, 31.	1.6	88
14	Abundances of neutron-capture elements in stars of the Galactic disk substructures. Astronomy and Astrophysics, 2013, 552, A128.	2.1	88
15	H ingestion into He-burning convection zones in super-AGB stellar models as a potential site for intermediate neutron-density nucleosynthesis. Monthly Notices of the Royal Astronomical Society, 2016, 455, 3848-3863.	1.6	84
16	i-process Nucleosynthesis and Mass Retention Efficiency in He-shell Flash Evolution of Rapidly Accreting White Dwarfs. Astrophysical Journal Letters, 2017, 834, L10.	3.0	73
17	FLUORINE AND SODIUM IN C-RICH LOW-METALLICITY STARS,. Astrophysical Journal, 2011, 729, 40.	1.6	69
18	BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FORs-PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2014, 786, 66.	1.6	67

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19	The Cold and Hot CNO Cycles. Annual Review of Nuclear and Particle Science, 2010, 60, 381-404.	3.5	66
20	New insights on Ba overabundance in open clusters.â˜... Evidence for the intermediate neutron-capture process at play?. Monthly Notices of the Royal Astronomical Society, 2015, 446, 3651-3668.	1.6	66
21	Neutron Capture Cross Section Measurement ofSm151at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	2.9	65
22	THE DIVERSE ORIGINS OF NEUTRON-CAPTURE ELEMENTS IN THE METAL-POOR STAR HD 94028: POSSIBLE DETECTION OF PRODUCTS OF i-PROCESS NUCLEOSYNTHESIS*. Astrophysical Journal, 2016, 821, 37.	1.6	65
23	The production of proton-rich isotopes beyond iron: The Î³-process in stars. International Journal of Modern Physics E, 2016, 25, 1630003.	0.4	63
24	Pop III i-process nucleosynthesis and the elemental abundances of SMSS J0313â˜'6708 and the most iron-poor stars. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L37-L41.	1.2	63
25	APPLICATION OF A THEORY AND SIMULATION-BASED CONVECTIVE BOUNDARY MIXING MODEL FOR AGB STAR EVOLUTION AND NUCLEOSYNTHESIS. Astrophysical Journal, 2016, 827, 30.	1.6	62
26	Neutron capture cross sections for the weak<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>process in massive stars. Physical Review C, 2008, 77, .	1.1	61
27	CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS: SUBSOLAR ¹² C/ ¹³ C AND ¹⁴ N/ ¹⁵ N RATIOS AND THE MYSTERY OF ¹⁵ N. Astrophysical Journal Letters, 2015, 808, L43.	3.0	61
28	The i-process yields of rapidly accreting white dwarfs from multicycle He-shell flash stellar evolution models with mixing parametrizations from 3D hydrodynamics simulations. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4258-4270.	1.6	57
29	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. Physical Review C, 2012, 85, .	1.1	55
30	The effect of 12C +12C rate uncertainties on the evolution and nucleosynthesis of massive stars. Monthly Notices of the Royal Astronomical Society, 2012, 420, 3047-3070.	1.6	55
31	Role of Core-collapse Supernovae in Explaining Solar System Abundances of p Nuclides. Astrophysical Journal, 2018, 854, 18.	1.6	55
32	Stellar Origin of ¹⁵N-rich Presolar SiC Grains of Type AB: Supernovae with Explosive Hydrogen Burning. Astrophysical Journal Letters, 2017, 842, L1.	3.0	55
33	EVIDENCE FOR RADIOGENIC SULFUR-32 IN TYPE AB PRESOLAR SILICON CARBIDE GRAINS?. Astrophysical Journal Letters, 2013, 776, L29.	3.0	54
34	Measurement of the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>60</mml:mn></mml:mmultiscripts><mml:mo stretchy="false">(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>Î³</mml:mi><mml:msup><mml:mo	2.9	52
35	Section at Stellar Temperatures. Physical Review Letters, 2009, 102, 151101. SULFUR ISOTOPIC COMPOSITIONS OF SUBMICROMETER SiC GRAINS FROM THE MURCHISON METEORITE. Astrophysical Journal, 2015, 799, 156.	1.6	51
36	STELLAR ORIGINS OF EXTREMELY ¹³C- AND ¹⁵N-ENRICHED PRESOLAR SIC GRAINS: NOVAE OR SUPERNOVAE?. Astrophysical Journal, 2016, 820, 140.	1.6	51

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37	High-resolution abundance analysis of red giants in the globular cluster NGC 6522. Astronomy and Astrophysics, 2014, 570, A76.	2.1	48
38	Remnants and ejecta of thermonuclear electron-capture supernovae. Astronomy and Astrophysics, 2019, 622, A74.	2.1	47
39	NuGrid stellar data set â€“ III. Updated low-mass AGB models and s-process nucleosynthesis with metallicities Z=Â0.01, ZÂ=Â0.02, and ZÂ=Â0.03. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1082-1098.	1.6	46
40	MESA and NuGrid simulations of classical novae: CO and ONe nova nucleosynthesis. Monthly Notices of the Royal Astronomical Society, 2014, 442, 2058-2074.	1.6	45
41	Neutron Capture Cross Section of Unstable<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi>Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mn>63</mml:mn></mml:mmultiscripts></mml:math>: Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 022501.	2.9	44
42	UNCERTAINTIES IN GALACTIC CHEMICAL EVOLUTION MODELS. Astrophysical Journal, 2016, 824, 82.	1.6	44
43	Fast neutron capture on the Hf isotopes: Cross sections, isomer production, and stellar aspects. Physical Review C, 2006, 73, .	1.1	43
44	PRODUCTION OF CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS. Astrophysical Journal Letters, 2013, 767, L22.	3.0	42
45	Chemical abundances in bright giants of the globular cluster M62 (NGC 6266)â˜…. Monthly Notices of the Royal Astronomical Society, 2014, 439, 2638-2650.	1.6	41
46	Convectiveâ€“reactive nucleosynthesis of K, Sc, Cl and p-process isotopes in Oâ€“C shell mergers. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L1-L6.	1.2	40
47	Code dependencies of pre-supernova evolution and nucleosynthesis in massive stars: evolution to the end of core helium burning. Monthly Notices of the Royal Astronomical Society, 2015, 447, 3115-3129.	1.6	39
48	i-process Contribution of Rapidly Accreting White Dwarfs to the Solar Composition of First-peak Neutron-capture Elements. Astrophysical Journal, 2018, 854, 105.	1.6	39
49	¹²⁹ I and ²⁴⁷ Cm in meteorites constrain the last astrophysical source of solar r-process elements. Science, 2021, 371, 945-948.	6.0	37
50	Measurement of theSm151(n,Î³) cross section from 0.6 eV to 1 MeV via the neutron time-of-flight technique at the CERN n_TOF facility. Physical Review C, 2006, 73, .	1.1	36
51	Galactic Chemical Evolution of Radioactive Isotopes. Astrophysical Journal, 2019, 878, 156.	1.6	35
52	DO R CORONAE BOREALIS STARS FORM FROM DOUBLE WHITE DWARF MERGERS?. Astrophysical Journal, 2012, 757, 76.	1.6	34
53	Origin of the p -process radionuclides ⁹² Nb and ¹⁴⁶ Sm in the early solar system and inferences on the birth of the Sun. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 907-912.	3.3	34
54	REPRODUCING THE OBSERVED ABUNDANCES IN RCB AND HdC STARS WITH POST-DOUBLE-DEGENERATE MERGER MODELSâ€”CONSTRAINTS ON MERGER AND POST-MERGER SIMULATIONS AND PHYSICS PROCESSES. Astrophysical Journal, 2013, 772, 59.	1.6	33

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55	ment of the reaction<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow /><mml:mn>17</mml:mn></mml:msup></mml:math>O<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:msup><mml:mrow><mml:mo>(</mml:mo><mml:mi>Î±</mml:mi><mml:mo>,</mml:mo><mml:mi>n</mml:mi>	1.1	33
56	Probing astrophysically important states in the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mn>26</mml:mn></mml:mmultiscripts></mml:math>nucleus to study neutron sources for the<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>s</mml:mi></mml:math>process. Physical Review C, 2016, 93, .	1.1	33
57	Neutron spectroscopy of 26Mg states: Constraining the stellar neutron source 22Ne(Î±,n)25Mg. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	1.5	32
58	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>62</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	31
59	and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ni</mml:mi><mml:mprescripts /><mml:none. Physical Review C, 2014, 89, . Mn abundances in the stars of the Galactic disc with metallicities â˜'1.0 < [Fe/H] < 0.3. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1585-1594.	1.6	31
60	The s process in AGB stars as constrained by a large sample of barium stars. Astronomy and Astrophysics, 2018, 620, A146.	2.1	31
61	RELICS OF ANCIENT POST-AGB STARS IN A PRIMITIVE METEORITE. Astrophysical Journal Letters, 2013, 777, L27.	3.0	29
62	SILICON CARBIDE GRAINS OF TYPE C PROVIDE EVIDENCE FOR THE PRODUCTION OF THE UNSTABLE ISOTOPE ³² Si IN SUPERNOVAE. Astrophysical Journal Letters, 2013, 771, L7.	3.0	29
63	Neutron capture cross section of139La. Physical Review C, 2003, 68, .	1.1	28
64	Experimental neutron capture data of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow /><mml:mn>58</mml:mn></mml:msup></mml:math>Ni from the CERN n_TOF facility. Physical Review C, 2014, 89, .	1.1	28
65	128Xe and130Xe: Testing Heâ€Shell Burning in Asymptotic Giant Branch Stars. Astrophysical Journal, 2004, 614, 363-370.	1.6	27
66	Stellar (<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML") Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 322 Td (display="inline" cross sections for Br and Rb: Matching the weak and main<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:mi>s</mml:mi></mml:mrow></mml:math>-process components. Physical Review C, 2008, 78, .	1.1	27
67	On the internal pollution mechanisms in the globular cluster NGCÂ6121 (M4): heavy-element abundances and AGB modelsâ˜... Monthly Notices of the Royal Astronomical Society, 2013, 433, 366-381.	1.6	26
68	First Direct Measurement of<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">C</mml:mi></mml:mrow><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>12</mml:mn></mml:mrow></mml:mmultiscripts></mml:mrow><mml:mo		

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73	Using failed supernovae to constrain the Galactic r-process element production. Monthly Notices of the Royal Astronomical Society, 2019, 487, 1745-1753.	1.6	22
74	The Gaia-ESO Survey: a new approach to chemically characterising young open clusters. Astronomy and Astrophysics, 2021, 653, A67.	2.1	22
75	NanoSIMS isotope studies of rare types of presolar silicon carbide grains from the Murchison meteorite: Implications for supernova models and the role of 14C. Geochimica Et Cosmochimica Acta, 2018, 221, 182-199.	1.6	21
76	Origin of Large Meteoritic SiC Stardust Grains in Metal-rich AGB Stars. Astrophysical Journal, 2020, 898, 96.	1.6	21
77	The Nucleosynthetic Yields of Core-collapse Supernovae: Prospects for the Next Generation of Gamma-Ray Astronomy. Astrophysical Journal, 2020, 890, 35.	1.6	19
78	Neutron capture cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Ge</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>74</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Ge</mml:mi><mml:mprescripts /><mml:none	1.1	18
79	Measurement of the MACS of at kT=30keV as a test of a method for Maxwellian neutron spectra generation. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 727, 1-6.	0.7	18
80	RE-EVALUATION OF THE¹⁶O(N,Î³)¹⁷O CROSS SECTION AT ASTROPHYSICAL ENERGIES AND ITS ROLE AS A NEUTRON POISON IN THEs-PROCESS. Astrophysical Journal, 2016, 827, 29.	1.6	18
81	The neutron capture process in the He shell in core-collapse supernovae: Presolar silicon carbide grains as a diagnostic tool for nuclear astrophysics. Geochimica Et Cosmochimica Acta, 2018, 221, 37-46.	1.6	18
82	Exploring the link between star and planet formation with Ariel. Experimental Astronomy, 2022, 53, 225-278.	1.6	18
83	Lanthanum: Ansâ€•andrâ€Process Indicator. Astrophysical Journal, 2006, 647, 685-691.	1.6	17
84	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mmultiscripts><mml:mi mathvariant="normal">Mg</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>24</mml:mn></mml:mrow></mml:mmultiscripts></mml:math>(<mml:math) Tj ETQq0 0 0 rgBT /Overlock 10	1.1	17
85	Stellar neutron capture cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi mathvariant="normal">Ne</mml:mi><mml:mprescripts /><mml:none /><mml:mrow><mml:mn>20</mml:mn><mml:mo>,</mml:mo><mml:mn>21</mml:mn><mml:mo>,</mml:mo><mml:mn>22</mml:mn></mml:m Physical Review C, 2014, 90, .	1.1	17
86	Looking for imprints of the first stellar generations in metal-poor bulge field stars. Astronomy and Astrophysics, 2016, 593, A79.	2.1	17
87	Sensitivity study for <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si2.gif" display="inline" overflow="scroll"><mml:mi>s</mml:mi></mml:math> process nucleosynthesis in AGB stars. Atomic Data and Nuclear Data Tables, 2016, 108, 1-14.	0.9	17
88	The s process in rotating low-mass AGB stars. Astronomy and Astrophysics, 2019, 629, A123.	2.1	17
89	Cu and Zn in different stellar populations: Inferring their astrophysical origin. Nuclear Physics A, 2005, 758, 284-287.	0.6	16
90	Enrichment of the Galactic disc with neutron capture elements: Sr. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3846-3864.	1.6	16

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91	Isotopic Signatures of Supernova Nucleosynthesis in Presolar Silicon Carbide Grains of Type AB with Supersolar ¹⁴N/¹⁵N Ratios. Astrophysical Journal, 2019, 887, 8.	1.6	16
92	Heavy elements nucleosynthesis on accreting white dwarfs: building seeds for the p-process. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4981-4998.	1.6	16
93	²⁶Aluminum from Massive Binary Stars. II. Rotating Single Stars Up to Core Collapse and Their Impact on the Early Solar System. Astrophysical Journal, 2021, 923, 47.	1.6	16
94	Measurement of the MACS of 159Tb(n, Î³) at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mi>k</mml:mi><mml:mi>T</mml:mi><mml:mo>=</mml:mo><mml:mn>30</mml:mn><mml:mtext> keV</mml:mtext></mml:math> by Activation. Nuclear Data Sheets, 2014, 120, 205-207.	0.7	15
95	Measurement of the MACS of 151Sm(n,Î³)152Sm at <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mmultiscripts><mml:mi mathvariant="normal">Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>54</mml:mn></mml:mmultiscripts><mml:mo>(</mml:mo><mml:mi>n</mml:mi><mml:mo>,</mml:mo><mml:mi>γ</mml:mi><mml:mmultiscripts><mml:mi mathvariant="normal">Fe</mml:mi><mml:mprescripts /><mml:none /><mml:mn>55</mml:mn></mml:mmultiscripts></mml:mrow></mml:math> cross sections via accele...	0.1	15
96	Neutron Capture Cross Sections for the Weak s Process. Publications of the Astronomical Society of Australia, 2009, 26, 243-249.	1.3	14
97	The NuGrid Research Platform: A Comprehensive Simulation Approach for Nuclear Astrophysics. Nuclear Physics News, 2012, 22, 18-23.	0.1	14
98	Preparation of a 60Fe target for nuclear astrophysics experiments. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 613, 347-350.	0.7	12
99	A Chemical Signature from Fast-rotating Low-metallicity Massive Stars: ROA 276 in ï‰ Centauri*. Astrophysical Journal, 2017, 837, 176.	1.6	12
100	Enrichment of the Galactic disc with neutron-capture elements: Mo and Ru. Monthly Notices of the Royal Astronomical Society, 2019, 489, 1697-1708.	1.6	12
101	Galactic Chemical Evolution of Radioactive Isotopes with an s-process Contribution. Astrophysical Journal, 2022, 924, 10.	1.6	12
102	Radioactive nuclei in the early Solar system: analysis of the 15 isotopes produced by core-collapse supernovae. Monthly Notices of the Royal Astronomical Society, 2022, 511, 886-902.	1.6	12
103	Temperature-tuned Maxwellâ€“Boltzmann neutron spectra for kT ranging from 30 up to 50keV for nuclear astrophysics studies. Applied Radiation and Isotopes, 2012, 70, 1583-1589.	0.7	11
104	Nucleosynthesis simulations for the production of the p-nuclei⁹²Mo and⁹⁴Mo in a Supernova type II model. EPJ Web of Conferences, 2015, 93, 03006.	0.1	11
105	Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. Geochimica Et Cosmochimica Acta, 2018, 221, 127-144.	1.6	11
106	The s process in massive stars. Progress in Particle and Nuclear Physics, 2007, 59, 174-182.	5.6	10
107	Measurement of the 151Sm(n,Î³)152Sm cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	0.6	7
108	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	0.6	7

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109	Status of the LEgnaro NeutrOn Source facility (LENOS). Physics Procedia, 2012, 26, 261-273.	1.2	7
110	Stellar (n,Î³) cross sections of Na23. Physical Review C, 2017, 95, .	1.1	7
111	A direct measurement of the 17O(Î±,Î³)21Ne reaction in inverse kinematics and its impact on heavy element production. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134894.	1.5	7
112	UVES analysis of red giants in the bulge globular cluster NGC 6522. Astronomy and Astrophysics, 2021, 654, A29.	2.1	7
113	<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mo>(</mml:mo><mml:mmultiscripts><mml:mi>Li</mml:mi><mml:mpre and <mml:math		

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127	Impact of the uncertainty in Î±-captures on 22Ne on the weak s-process in massive stars. , 2014, , .		3
128	Nucleosynthetic yields from neutron stars accreting in binary common envelopes. Monthly Notices of the Royal Astronomical Society, 2019, 485, 620-639.	1.6	3
129	Inhomogeneous Chemical Evolution ofÂr-Process Elements in the Galactic Halo. Springer Proceedings in Physics, 2019, , 91-96.	0.1	3
130	Comparison between Core-collapse Supernova Nucleosynthesis and Meteoric Stardust Grains: Investigating Magnesium, Aluminium, and Chromium. Astrophysical Journal, 2022, 927, 220.	1.6	3
131	Measurements of the 90,91,92,94,96Zr(n, Î³) cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	0.6	2
132	Time-Scales of the s Process: from Minutes to Ages. Publications of the Astronomical Society of Australia, 2009, 26, 209-216.	1.3	2
133	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical s-process. Nuclear Data Sheets, 2014, 120, 201-204.	0.7	2
134	Experiments with neutron beams for the astrophysicalsprocess. Journal of Physics: Conference Series, 2016, 665, 012020.	0.3	2
135	Stellar neutron capture cross sections of<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mrow><mml:mi mathvariant="normal">K</mml:mi><mml:mrow /></mml:mrow><mml:mprescripts /><mml:none /><mml:mn>41</mml:mn></mml:mmultiscripts></mml:math>and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mmultiscripts><mml:mi>Sc</mml:mi><mml:mprescripts /><mml:none /><mml:mn>45</mml:mn></mml:mmultiscripts></mml:math>. Physical Review C, 2016, 93, .	1.1	2
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