

# 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	Exploring the link between star and planet formation with Ariel. <i>Experimental Astronomy</i> , 2022, 53, 225-278.	1.6	18
2	Galactic Chemical Evolution of Radioactive Isotopes with an s-process Contribution. <i>Astrophysical Journal</i> , 2022, 924, 10.	1.6	12
3	The Complex Behaviour of s-Process Element Abundances at Young Ages. <i>Universe</i> , 2022, 8, 110.	0.9	5
4	A Large-scale Approach to Modeling Molecular Biosignatures: The Diatomics. <i>Astrophysical Journal</i> , 2022, 925, 57.	1.6	0
5	Shades. <i>EPJ Web of Conferences</i> , 2022, 260, 11031.	0.1	1
6	The RADIOSTAR Project. <i>Universe</i> , 2022, 8, 130.	0.9	0
7	The NuGrid AGB Evolution and Nucleosynthesis Data Set. <i>Universe</i> , 2022, 8, 170.	0.9	1
8	Comparison between Core-collapse Supernova Nucleosynthesis and Meteoric Stardust Grains: Investigating Magnesium, Aluminium, and Chromium. <i>Astrophysical Journal</i> , 2022, 927, 220.	1.6	3
9	Radioactive nuclei in the early Solar system: analysis of the 15 isotopes produced by core-collapse supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 886-902.	1.6	12
10	Origin of Plutonium-244 in the Early Solar System. <i>Universe</i> , 2022, 8, 343.	0.9	1
11	Project ThaiPASS: international outreach blending astronomy and Python. <i>Physics Education</i> , 2021, 56, 035001.	0.3	0
12	$^{129}\text{I}$ and $^{247}\text{Cm}$ in meteorites constrain the last astrophysical source of solar r-process elements. <i>Science</i> , 2021, 371, 945-948.	6.0	37
13	New Experimental $^{23}\text{Na}(\pm, p)^{26}\text{Mg}$ Reaction Rate for Massive Star and Type Ia Supernova Models. <i>Astrophysical Journal</i> , 2021, 912, 59.	1.6	1
14	LIVES analysis of red giants in the bulge globular cluster NGC 6522. <i>Astronomy and Astrophysics</i> , 2021, 654, A29.	2.1	7
15	The <i>Gaia</i> -ESO Survey: a new approach to chemically characterising young open clusters. <i>Astronomy and Astrophysics</i> , 2021, 653, A67.	2.1	22
16	The $^{59}\text{Fe}(n, \beta^-)^{60}\text{Fe}$ Cross Section from the Surrogate Ratio Method and Its Effect on the $^{60}\text{Fe}$ Nucleosynthesis. <i>Astrophysical Journal</i> , 2021, 919, 84.	1.6	2
17	New Thermonuclear Rate of $^7\text{Li}(d, n)^4\text{He}$ Relevant to the Cosmological Lithium Problem. <i>Astrophysical Journal</i> , 2021, 920, 145.	1.6	5
18	and		

#	ARTICLE	IF	CITATIONS
19	<sup>26</sup> Aluminum from Massive Binary Stars. II. Rotating Single Stars Up to Core Collapse and Their Impact on the Early Solar System. <i>Astrophysical Journal</i> , 2021, 923, 47.	1.6	16
20	Heavy elements nucleosynthesis on accreting white dwarfs: building seeds for the p-process. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4981-4998.	1.6	16
21	Shell-model studies of the astrophysical rp -process reactions $S34(p,\hat{1}^3)Cl35$ and $Cl34g,m(p,\hat{1}^3)Ar35$ . <i>Physical Review C</i> , 2020, 102, .	1.1	4
22	Evaluation of the $N13(\hat{1}^{\pm},p)O16$ thermonuclear reaction rate and its impact on the isotopic composition of supernova grains. <i>Physical Review C</i> , 2020, 102, .	1.1	4
23	The Nucleosynthetic Yields of Core-collapse Supernovae: Prospects for the Next Generation of Gamma-Ray Astronomy. <i>Astrophysical Journal</i> , 2020, 890, 35.	1.6	19
24	Chromium Nucleosynthesis and Silicon- <sup>44</sup> Carbon Shell Mergers in Massive Stars. <i>Astrophysical Journal</i> , 2020, 892, 57.	1.6	4
25	Origin of Large Meteoritic SiC Stardust Grains in Metal-rich AGB Stars. <i>Astrophysical Journal</i> , 2020, 898, 96.	1.6	21
26	Molybdenum in the open cluster stars. <i>Journal of Physical Studies</i> , 2020, 24, .	0.2	1
27	Could Failed Supernovae Explain the High <i>r</i> -process Abundances in Some Low Metallicity Stars?. , 2020, , .		0
28	Shell-model studies of the astrophysical rp-process reactions $34S(p,\hat{1}^3)35Cl$ and $34g,m Cl(p,\hat{1}^3)35Ar$ . <i>Journal of Physics: Conference Series</i> , 2020, 1643, 012064.	0.3	0
29	The Impact of Nuclear Physics Uncertainties on Galactic Chemical Evolution Predictions. <i>Journal of Physics: Conference Series</i> , 2020, 1668, 012008.	0.3	1
30	Galactic Chemical Evolution of Radioactive Isotopes. <i>Astrophysical Journal</i> , 2019, 878, 156.	1.6	35
31	Using failed supernovae to constrain the Galactic r-process element production. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1745-1753.	1.6	22
32	NuGrid stellar data set <sup>III</sup> . Updated low-mass AGB models and s-process nucleosynthesis with metallicities $Z=0.01$ , $Z=0.02$ , and $Z=0.03$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1082-1098.	1.6	46
33	Enrichment of the Galactic disc with neutron-capture elements: Mo and Ru. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1697-1708.	1.6	12
34	A direct measurement of the $17O(\hat{1}^{\pm},\hat{1}^3)21Ne$ reaction in inverse kinematics and its impact on heavy element production. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 134894.	1.5	7
35	The i-process yields of rapidly accreting white dwarfs from multicycle He-shell flash stellar evolution models with mixing parametrizations from 3D hydrodynamics simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 4258-4270.	1.6	57
36	Neutron Star Mergers Might Not Be the Only Source of r-process Elements in the Milky Way. <i>Astrophysical Journal</i> , 2019, 875, 106.	1.6	152

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37	Enrichment of the Galactic disc with neutron capture elements: Sr. Monthly Notices of the Royal Astronomical Society, 2019, 484, 3846-3864.	1.6	16
38	Nucleosynthetic yields from neutron stars accreting in binary common envelopes. Monthly Notices of the Royal Astronomical Society, 2019, 485, 620-639.	1.6	3
39	Remnants and ejecta of thermonuclear electron-capture supernovae. Astronomy and Astrophysics, 2019, 622, A74.	2.1	47
40	The $s$ process in rotating low-mass AGB stars. Astronomy and Astrophysics, 2019, 629, A123.	2.1	17
41	Isotopic Signatures of Supernova Nucleosynthesis in Presolar Silicon Carbide Grains of Type AB with Supersolar $^{14}\text{N}/^{15}\text{N}$ Ratios. Astrophysical Journal, 2019, 887, 8.	1.6	16
42	Inhomogeneous Chemical Evolution of $r$ -Process Elements in the Galactic Halo. Springer Proceedings in Physics, 2019, , 91-96.	0.1	3
43	Presolar SiC Grains of Type AB with Isotopically Light Nitrogen: Contributions from Supernovae?. Springer Proceedings in Physics, 2019, , 373-376.	0.1	1
44	Heavy Elements Nucleosynthesis on Accreting White Dwarfs Surface: Seeding the p-Process. Springer Proceedings in Physics, 2019, , 179-182.	0.1	0
45	H-He Shell Interactions and Nucleosynthesis in Massive Population III Stars. Springer Proceedings in Physics, 2019, , 321-325.	0.1	1
46	The impact of $(n, \gamma)$ reaction rate uncertainties of unstable isotopes near $N = 50$ on the $i$ -process nucleosynthesis in He-shell flash white dwarfs. Journal of Physics G: Nuclear and Particle Physics, 2018, 45, 055203.	1.4	23
47	Role of Core-collapse Supernovae in Explaining Solar System Abundances of $p$ Nuclides. Astrophysical Journal, 2018, 854, 18.	1.6	55
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	NanoSIMS isotope studies of rare types of presolar silicon carbide grains from the Murchison meteorite: Implications for supernova models and the role of $^{14}\text{C}$ . Geochimica Et Cosmochimica Acta, 2018, 221, 182-199.	1.6	21
50	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
51	The $s$ process in AGB stars as constrained by a large sample of barium stars. Astronomy and Astrophysics, 2018, 620, A146.	2.1	31
52	Manganese Abundances in the Stars with Metallicities $-1 < [\text{Fe}/\text{H}] < +0.3$ . Journal of Physics: Conference Series, 2018, 940, 012049.	0.3	0
53	Impact of rotation and magnetic fields in low mass AGB stars. Journal of Physics: Conference Series, 2018, 940, 012038.	0.3	0
54	NuGrid stellar data set II. Stellar yields from H to Bi for stellar models with $\text{MZAMS} = 1 \text{--} 25 M_{\odot}$ and $Z = 0.0001 \text{--} 0.02$ . Monthly Notices of the Royal Astronomical Society, 2018, 480, 538-571.	1.6	104

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55	The composition of Barium stars and the s-process in AGB stars. Proceedings of the International Astronomical Union, 2018, 14, 89-92.	0.0	0
56	Pop III $\alpha$ -process nucleosynthesis and the elemental abundances of SMSS J0313+6708 and the most iron-poor stars. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L37-L41.	1.2	63
57	Online tools for nucleosynthesis studies. Journal of Physics: Conference Series, 2018, 940, 012006.	0.3	0
58	Convective reactive nucleosynthesis of K, Sc, Cl and p-process isotopes in $O$ shell mergers. Monthly Notices of the Royal Astronomical Society: Letters, 2018, 474, L1-L6.	1.2	40
59	Iron and nickel isotope compositions of presolar silicon carbide grains from supernovae. Geochimica Et Cosmochimica Acta, 2018, 221, 127-144.	1.6	11
60	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
61	Neutron spectroscopy of $^{26}\text{Mg}$ states: Constraining the stellar neutron source $^{22}\text{Ne}(\hat{n},n)^{25}\text{Mg}$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 1-6.	1.5	32
62	A Chemical Signature from Fast-rotating Low-metallicity Massive Stars: ROA 276 in $\epsilon$ Centauri*. Astrophysical Journal, 2017, 837, 176.	1.6	12
63	Stellar $(n, \hat{n})$ cross sections of $\text{Na}^{23}$ . Physical Review C, 2017, 95, .	1.1	7
64	Making the Heaviest Elements in a Rare Class of Supernovae. , 2017, , 1843-1877.	16.4	162
65	Making the Heaviest Elements in a Rare Class of Supernovae. , 2017, , 1-35.	0.1	1
66	Observing the metal-poor solar neighbourhood: a comparison of galactic chemical evolution predictions*. Monthly Notices of the Royal Astronomical Society, 2017, 469, 4378-4399.	1.6	22
67	Determination of alpha spectroscopic factors for unbound $^{17}\text{O}$ states. EPJ Web of Conferences, 2017, 165, 01022.	0.1	1
68	Stellar Parameters, Chemical composition and Models of chemical evolution. Proceedings of the International Astronomical Union, 2017, 12, 331-332.	0.0	0
69	Making the Heaviest Elements in a Rare Class of Supernovae. , 2017, , 1-35.		2
70	Stellar Origin of $^{15}\text{N}$ -rich Presolar SiC Grains of Type AB: Supernovae with Explosive Hydrogen Burning. Astrophysical Journal Letters, 2017, 842, L1.	3.0	55
71	Inhomogeneous Chemical Evolution of r-process Elements in the Galactic Halo. , 2017, , .		1

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73	JINA-NuGrid Galactic Chemical Evolution Pipeline. , 2017, , .		4
74	Impact of Rotation and Convective Boundary Mixing in Low Mass AGB Stars. , 2017, , .		0
75	IRON-GROUP ABUNDANCES IN THE METAL-POOR MAIN-SEQUENCE TURNOFF STAR HD 84937. <i>Astrophysical Journal</i> , 2016, 817, 53.	1.6	96
76	APPLICATION OF A THEORY AND SIMULATION-BASED CONVECTIVE BOUNDARY MIXING MODEL FOR AGB STAR EVOLUTION AND NUCLEOSYNTHESIS. <i>Astrophysical Journal</i> , 2016, 827, 30.	1.6	62
77	First direct measurement of $^{12}\text{C}(^{12}\text{C},n)^{23}\text{Mg}$ at stellar energies. <i>EPJ Web of Conferences</i> , 2016, 109, 04009.	0.1	1
78	Experiments with neutron beams for the astrophysical $s$ -process. <i>Journal of Physics: Conference Series</i> , 2016, 665, 012020.	0.3	2
79	Looking for imprints of the first stellar generations in metal-poor bulge field stars. <i>Astronomy and Astrophysics</i> , 2016, 593, A79.	2.1	17
80	RE-EVALUATION OF THE $^{16}\text{O}(n, \alpha)^{13}\text{C}$ CROSS SECTION AT ASTROPHYSICAL ENERGIES AND ITS ROLE AS A NEUTRON POISON IN THE $s$ -PROCESS. <i>Astrophysical Journal</i> , 2016, 827, 29.	1.6	18
81	Sensitivity study for $s$ -process nucleosynthesis in AGB stars. <i>Atomic Data and Nuclear Data Tables</i> , 2016, 108, 1-14.	0.9	17
82	STELLAR ORIGINS OF EXTREMELY $^{13}\text{C}$ - AND $^{15}\text{N}$ -ENRICHED PRESOLAR SIC GRAINS: NOVAE OR SUPERNOVAE?. <i>Astrophysical Journal</i> , 2016, 820, 140.	1.6	51
83	The production of proton-rich isotopes beyond iron: The $\beta^3$ -process in stars. <i>International Journal of Modern Physics E</i> , 2016, 25, 1630003.	0.4	63
84	NUGRID STELLAR DATA SET. I. STELLAR YIELDS FROM H TO BI FOR STARS WITH METALLICITIES $Z = 0.02$ and $Z = 0.01$ . <i>Astrophysical Journal, Supplement Series</i> , 2016, 225, 24.	3.0	172
85	Probing astrophysically important states in the $s$ -process nucleus to study neutron sources for the $s$ -process.	1.1	33
86	Stellar neutron capture cross sections of $^{41}\text{K}$ and $^{45}\text{Sc}$ process.	1.1	2
87	THE DIVERSE ORIGINS OF NEUTRON-CAPTURE ELEMENTS IN THE METAL-POOR STAR HD 94028: POSSIBLE DETECTION OF PRODUCTS OF $i$ -PROCESS NUCLEOSYNTHESIS*. <i>Astrophysical Journal</i> , 2016, 821, 37.	1.6	65
88	Inhomogeneous chemical evolution of $r$ -process elements. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	1
89	Stellar yields and abundances: new directions from planetary nebulae. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 86-94.	0.0	0
90	$i$ -process production in rotating massive stars at solar and low metallicities. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 1803-1825.	1.6	173

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91	UNCERTAINTIES IN GALACTIC CHEMICAL EVOLUTION MODELS. <i>Astrophysical Journal</i> , 2016, 824, 82.	1.6	44
92	Origin of the $p$ -process radionuclides $^{92}\text{Nb}$ and $^{146}\text{Sm}$ in the early solar system and inferences on the birth of the Sun. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016, 113, 907-912.	3.3	34
93	H ingestion into He-burning convection zones in super-AGB stellar models as a potential site for intermediate neutron-density nucleosynthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3848-3863.	1.6	84
94	Mn abundances in the stars of the Galactic disc with metallicities $\hat{\sim}1.0$ &lt; [Fe/H] &lt; 0.3. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1585-1594.	1.6	31
95	Nucleosynthesis simulations for the production of the $p$ -nuclei $^{92}\text{Mo}$ and $^{94}\text{Mo}$ in a Supernova type II model. <i>EPJ Web of Conferences</i> , 2015, 93, 03006.	0.1	11
96	Constraining the $^{12}\text{C}+^{12}\text{C}$ fusion cross section for astrophysics. <i>EPJ Web of Conferences</i> , 2015, 93, 03009.	0.1	5
97	Galactic evolution of rapid neutron capture process abundances: the inhomogeneous approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 1970-1981.	1.6	150
98	Experimental neutron capture data of $^{58}\text{Ni}$ from the CERN $n_{\text{TOF}}$ facility. <i>EPJ Web of Conferences</i> , 2015, 93, 02009.	0.1	0
99	SULFUR ISOTOPIC COMPOSITIONS OF SUBMICROMETER SIC GRAINS FROM THE MURCHISON METEORITE. <i>Astrophysical Journal</i> , 2015, 799, 156.	1.6	51
100	First Direct Measurement of $\langle \text{mml:mrow} \langle \text{mml:mrow} \langle \text{mml:mmultiscripts} \langle \text{mml:mrow} \langle \text{mml:mi mathvariant="normal"} \text{C} \rangle \rangle \rangle \rangle \langle \text{mml:mrow} \langle \text{mml:mprescripts} \rangle \rangle \langle \text{mml:none} \rangle \rangle \langle \text{mml:mrow} \langle \text{mml:mn} \text{12} \rangle \rangle \rangle \rangle \langle \text{mml:mrow} \langle \text{mml:mo} \rangle \rangle \rangle \rangle$		

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109	Measurement of the MACS of $^{159}\text{Tb}(n, \hat{1}^3)$ at $kT=30\text{keV}$ by Activation. Nuclear Data Sheets, 2014, 120, 205-207.	0.7	15
110	BARIUM ISOTOPIC COMPOSITION OF MAINSTREAM SILICON CARBIDES FROM MURCHISON: CONSTRAINTS FOR $s$ -PROCESS NUCLEOSYNTHESIS IN ASYMPTOTIC GIANT BRANCH STARS. Astrophysical Journal, 2014, 786, 66.	1.6	67
111	Neutron Capture Reactions on Fe and Ni Isotopes for the Astrophysical $s$ -process. Nuclear Data Sheets, 2014, 120, 201-204.	0.7	2
112	Measurement of the MACS of $^{159}\text{Tb}(n, \hat{1}^3)$ at $kT=30\text{keV}$ by Activation. Nuclear Data Sheets, 2014, 120, 205-207.	0.7	15
113	Current quests in nucleosynthesis: present and future neutron-induced reaction measurements. EPJ Web of Conferences, 2014, 66, 07022.	0.1	1
114	High-resolution abundance analysis of red giants in the globular cluster NGC 6522. Astronomy and Astrophysics, 2014, 570, A76.	2.1	48
115	Neutron Capture Cross Section of Unstable $^{63}\text{Ni}$ : Implications for Stellar Nucleosynthesis. Physical Review Letters, 2013, 110, 082501.	2.9	44
116	Measurement of the MACS of $^{63}\text{Ni}$ at $kT=30\text{keV}$ 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
117	On the internal pollution mechanisms in the globular cluster NGC 6121 (M4): heavy-element abundances and AGB models.... Monthly Notices of the Royal Astronomical Society, 2013, 433, 366-381.	1.6	26
118	RELICS OF ANCIENT POST-AGB STARS IN A PRIMITIVE METEORITE. Astrophysical Journal Letters, 2013, 777, L27.	3.0	29
119	REPRODUCING THE OBSERVED ABUNDANCES IN RCB AND Hdc STARS WITH POST-DOUBLE-DEGENERATE MERGER MODELS: CONSTRAINTS ON MERGER AND POST-MERGER SIMULATIONS AND PHYSICS PROCESSES. Astrophysical Journal, 2013, 772, 59.	1.6	33
120	SILICON CARBIDE GRAINS OF TYPE C PROVIDE EVIDENCE FOR THE PRODUCTION OF THE UNSTABLE ISOTOPE $^{32}\text{Si}$ IN SUPERNOVAE. Astrophysical Journal Letters, 2013, 771, L7.	3.0	29
121	EVIDENCE FOR RADIOGENIC SULFUR-32 IN TYPE AB PRESOLAR SILICON CARBIDE GRAINS?. Astrophysical Journal Letters, 2013, 776, L29.	3.0	54
122	PRODUCTION OF CARBON-RICH PRESOLAR GRAINS FROM MASSIVE STARS. Astrophysical Journal Letters, 2013, 767, L22.	3.0	42
123	Measurement of the reaction $^{12}\text{C} + ^{12}\text{C} \rightarrow ^{24}\text{Mg} + \gamma$ and its impact on the $s$ -process. Astrophysical Journal Letters, 2013, 762, 31.	1.1	33
124	THE $^{12}\text{C} + ^{12}\text{C}$ REACTION AND THE IMPACT ON NUCLEOSYNTHESIS IN MASSIVE STARS. Astrophysical Journal, 2013, 762, 31.	1.6	88
125	Angular distribution in the neutron-induced fission of actinides. EPJ Web of Conferences, 2013, 62, 08003.	0.1	1
126	Abundances of neutron-capture elements in stars of the Galactic disk substructures. Astronomy and Astrophysics, 2013, 552, A128.	2.1	88



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127	$^{44}\text{Ti}$ , $^{26}\text{Al}$ and $^{53}\text{Mn}$ samples for nuclear astrophysics: the needs, the possibilities and the sources. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2012, 39, 105201.	1.4	24
128	The NuGrid Research Platform: A Comprehensive Simulation Approach for Nuclear Astrophysics. <i>Nuclear Physics News</i> , 2012, 22, 18-23.	0.1	14
129	$^{17}\text{O}(\hat{\pm}, \hat{\pm}^3)^{21}\text{Ne}$ and $^{17}\text{O}(\hat{\pm}, n)^{20}\text{Ne}$ for the weak s process. , 2012, , .		0
130	Temperature-tuned Maxwell-Boltzmann neutron spectra for kT ranging from 30 up to 50keV for nuclear astrophysics studies. <i>Applied Radiation and Isotopes</i> , 2012, 70, 1583-1589.	0.7	11
131	Resonance neutron-capture cross sections of stable magnesium isotopes and their astrophysical implications. <i>Physical Review C</i> , 2012, 85, .	1.1	55
132	DO R CORONAE BOREALIS STARS FORM FROM DOUBLE WHITE DWARF MERGERS?. <i>Astrophysical Journal</i> , 2012, 757, 76.	1.6	34
133	The effect of $^{12}\text{C} + ^{12}\text{C}$ rate uncertainties on the evolution and nucleosynthesis of massive stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 420, 3047-3070.	1.6	55
134	Status of the LEgnao NeutrOn Source facility (LENOS). <i>Physics Procedia</i> , 2012, 26, 261-273.	1.2	7
135	CONVECTIVE-REACTIVE PROTON- $^{12}\text{C}$ COMBUSTION IN SAKURAI'S OBJECT (V4334 SAGITTARII) AND IMPLICATIONS FOR THE EVOLUTION AND YIELDS FROM THE FIRST GENERATIONS OF STARS. <i>Astrophysical Journal</i> , 2011, 727, 89.	1.6	173
136	FLUORINE AND SODIUM IN C-RICH LOW-METALLICITY STARS,. <i>Astrophysical Journal</i> , 2011, 729, 40.	1.6	69
137	Imprints of fast-rotating massive stars in the Galactic Bulge. <i>Nature</i> , 2011, 472, 454-457.	13.7	108
138	The effect of $^{12}\text{C} + ^{12}\text{C}$ rate uncertainties on s-process yields. <i>Journal of Physics: Conference Series</i> , 2010, 202, 012023.	0.3	6
139	THE WEAK $s$ -PROCESS IN MASSIVE STARS AND ITS DEPENDENCE ON THE NEUTRON CAPTURE CROSS SECTIONS. <i>Astrophysical Journal</i> , 2010, 710, 1557-1577.	1.6	276
140	Preparation of a $^{60}\text{Fe}$ target for nuclear astrophysics experiments. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 347-350.	0.7	12
141	The Cold and Hot CNO Cycles. <i>Annual Review of Nuclear and Particle Science</i> , 2010, 60, 381-404.	3.5	66
142	Measurement of the $^{60}\text{Fe}$ neutron capture cross section at stellar temperatures. <i>Physical Review Letters</i> , 2009, 102, 151101.	2.9	52
143	Measurement of the $^{74}\text{Ge}$ neutron capture cross section at stellar temperatures. <i>Physical Review Letters</i> , 2009, 102, 151101.	1.1	18
144	Neutron Capture Cross Sections for the Weak $s$ Process. <i>Publications of the Astronomical Society of Australia</i> , 2009, 26, 243-249.	1.3	14

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145	Time-Scales of the $s$ -Process: from Minutes to Ages. Publications of the Astronomical Society of Australia, 2009, 26, 209-216.	1.3	2
146	The reactions $^{25}\text{Mg}(\hat{1},n)^{28}\text{Si}$ , $^{26}\text{Mg}(\hat{1},n)^{29}\text{Si}$ and their possible impact on nucleosynthesis. , 2009, , .		0
147	Nucleosynthesis simulations for a wide range of nuclear production sites from NuGrid. , 2009, , .		4
148	$\langle \text{Mg} \rangle_{24} > \langle \text{Tj ETQq0 0 0 rgBT / Overlock 10} \rangle$	1.1	17
149	The Weak $s$ -Process at Low Metallicity. AIP Conference Proceedings, 2008, , .	0.3	4
150	Recent Results at $n$ -TOF and Future Perspectives. AIP Conference Proceedings, 2008, , .	0.3	0
151	Nuclear Burning and Mixing in the First Stars: Entrainment at a Convective Boundary Using the PPB Advection Scheme. , 2008, , .		4
152	Abundances of Heavy Elements in PNe and AGB Model Predictions. AIP Conference Proceedings, 2008, , .	0.3	0
153	Neutron capture cross sections for the weak $s$ -process in massive stars. Stellar Evolution in the Early Universe (display="inline")	1.1	61
154	cross sections for Br and Rb: Matching the weak and main $s$ -process components. Physical Review C, 2008, 78, .	1.1	27
155	Stellar Evolution in the Early Universe. Proceedings of the International Astronomical Union, 2008, 4, 297-304.	0.0	5
156	Evolution and chemical and dynamical effects of high-mass stars. Proceedings of the International Astronomical Union, 2008, 4, 325-336.	0.0	0
157	The $s$ -Process in Massive Stars at Low Metallicity: The Effect of Primary $^{14}\text{N}$ from Fast Rotating Stars. Astrophysical Journal, 2008, 687, L95-L98.	1.6	143
158	Measurements of neutron capture cross-sections at $n$ -TOF. AIP Conference Proceedings, 2007, , .	0.3	0
159	Origin of Stellar Abundances in the early Galaxy. AIP Conference Proceedings, 2007, , .	0.3	1
160	The $^{139}\text{La}(n,\hat{3})$ cross section: Key for the onset of the $s$ -process. Physical Review C, 2007, 75, .	1.1	24
161	Nucleosynthesis in the Early Galaxy. Astrophysical Journal, 2007, 671, 1685-1695.	1.6	141
162	The $s$ process in massive stars. Progress in Particle and Nuclear Physics, 2007, 59, 174-182.	5.6	10

#	ARTICLE	IF	CITATIONS
163	The weak s-process and its relation to explosive nucleosynthesis. AIP Conference Proceedings, 2006, , .	0.3	1
164	Lanthanum: An s-process Indicator. Astrophysical Journal, 2006, 647, 685-691.	1.6	17
165	Measurement of the $^{151}\text{Sm}(n, \hat{1}^3)$ 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
166	Fast neutron capture on the Hf isotopes: Cross sections, isomer production, and stellar aspects. Physical Review C, 2006, 73, .	1.1	43
167	The Weak sr(p) Process in Massive Stars. , 2006, , 320-321.		1
168	Cu and Zn in Thick-Disk and Thin-Disk Stars. , 2006, , 39-40.		2
169	Neutron sources during shell C-burning in massive stars. Proceedings of the International Astronomical Union, 2005, 1, 495-496.	0.0	0
170	Measurement of the $^{151}\text{Sm}(n, \hat{1}^3)^{152}\text{Sm}$ cross section at n_TOF. Nuclear Physics A, 2005, 758, 533-536.	0.6	7
171	Neutron capture cross section measurements for nuclear astrophysics at CERN n_TOF. Nuclear Physics A, 2005, 758, 501-504.	0.6	7
172	Measurements of the $^{90,91,92,94,96}\text{Zr}(n, \hat{1}^3)$ cross-sections at n_TOF. Nuclear Physics A, 2005, 758, 573-576.	0.6	2
173	Cu and Zn in different stellar populations: Inferring their astrophysical origin. Nuclear Physics A, 2005, 758, 284-287.	0.6	16
174	Effects of uncertainties of the $^{22}\text{Ne}(\hat{1}^{\pm}, n)^{25}\text{Mg}$ and $^{13}\text{C}(\hat{1}^{\pm}, n)^{16}\text{O}$ reaction rates in the s-process yields. Nuclear Physics A, 2005, 758, 541-544.	0.6	6
175	Neutron Capture Cross Section Measurement of $^{151}\text{Sm}$ at the CERN Neutron Time of Flight Facility (n_TOF). Physical Review Letters, 2004, 93, 161103.	2.9	65
176	$^{128}\text{Xe}$ and $^{130}\text{Xe}$ : Testing He Shell Burning in Asymptotic Giant Branch Stars. Astrophysical Journal, 2004, 614, 363-370.	1.6	27
177	Neutron capture cross section of $^{139}\text{La}$ . Physical Review C, 2003, 68, .	1.1	28