

Origin of the heaviest elements: The rapid neutron-capt

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Chemical evolution with rotating massive star yields II. A new assessment of the solar s- and r-process components. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	72
2	Nucleosynthesis in magneto-rotational supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	1.6	39
3	Inhomogeneity in the early Galactic chemical enrichment exposed by beryllium abundances in extremely metal-poor stars. <i>Astronomy and Astrophysics</i> , 2021, 646, A70.	2.1	8
4	Rubidium abundances in solar metallicity stars. <i>Astronomy and Astrophysics</i> , 2021, 648, A107.	2.1	2
5	Examining the nuclear mass surface of Rb and Sr isotopes in the $\text{Rb}^{104}$ region via precision mass measurements. <i>Physical Review C</i> , 2021, 103, .	2.1	1
6	Improved Atomic Transition Probabilities for UV and Optical Lines of Hf II and Determination of the Hf Abundance in Two Metal-poor Stars*. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 5.	3.0	5
7	Measurement of the cross section over a wide neutron energy range at the CERN n_TOF facility. <i>Physical Review C</i> , 2021, 103, .	3.0	1
8	Electron capture in stars. <i>Reports on Progress in Physics</i> , 2021, 84, 066301.	8.1	37
9	Evolution of neutron capture elements in dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2913-2931.	1.6	17
10	Signatures of r-process Elements in Kilonova Spectra. <i>Astrophysical Journal</i> , 2021, 913, 26.	1.6	40
11	$\text{Fe}^{60}$ and $\text{Pu}^{244}$ deposited on Earth constrain the r-process yields of recent nearby supernovae. <i>Science</i> , 2021, 372, 742-745.	6.0	60
12	Abundances of neutron-capture elements in thin- and thick-disc stars in the solar neighbourhood. <i>Astronomy and Astrophysics</i> , 2021, 649, A126.	2.1	17
13	$\beta^2$ -delayed neutron emission of r-process nuclei at the N=82 shell closure. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2021, 816, 136266.	1.5	21
14	A Low-mass Binary Neutron Star: Long-term Ejecta Evolution and Kilonovae with Weak Blue Emission. <i>Astrophysical Journal</i> , 2021, 913, 100.	1.6	40
15	s- process enrichment of ultrafaint dwarf galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3755-3766.	1.6	4
16	Neutron star mergers as the astrophysical site of the r-process in the Milky Way and its satellite galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 5862-5883.	1.6	24
17	Systematics of prompt black-hole formation in neutron star mergers. <i>Physical Review D</i> , 2021, 103, .	1.6	35
18	The Abundance of Lead in Four Metal-poor Stars. <i>Astrophysical Journal Letters</i> , 2021, 914, L22.	3.0	3

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19	Experimental and theoretical studies of excited states in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msup><mml:mrow><mml:mi>Ir</mml:mi></mml:mrow><mml:mi>10</mml:mi></mml:msup><mml:mrow><mml:mi>10</mml:mi></mml:mrow></mml:math>. Physical Review A, 2021, 103, .		
20	Constraints on the presence of platinum and gold in the spectra of the kilonova AT2017gfo. Monthly Notices of the Royal Astronomical Society, 2021, 506, 3560-3577.	1.6	32
21	Sensitivity Study of r-process Abundances to Nuclear Masses. Astrophysical Journal, 2021, 915, 29.	1.6	14
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25	Following nuclei through nucleosynthesis: A novel tracing technique. Physical Review C, 2021, 104, .	1.1	19
26	Contributions from <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mi>mathvariant="normal"</mml:mi></mml:math> hyperons to nucleosynthesis in kilonovae. Physical Review C, 2021, 104, .	1.1	1
27	Astrophysical reaction rates of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> display="inline" id="d1e6953" altimg="si202.svg"><mml:mi>1±</mml:mi></mml:math>-induced reactions for nuclei with <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"> display="inline" id="d1e6958" altimg="si8.svg"><mml:mrow><mml:mn>26</mml:mn><mml:mo>Z</mml:mo><mml:mi>26</mml:mi><mml:mo>linebreak="goodbreak" linebreakstyle="after">â‰</mml:mo><mml:mi>83</mml:mi><mml:mo>linebreak="goodbreak" linebreakstyle="after">â‰</mml:mo><mml:mn>83</mml:mn></mml:mrow></m>. Atomic Data and Nuclear Data Tables, 2021, 104, .	0.9	12
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33	Examination of n â' T 9 conditions required by N = 50, 82, 126 waiting points in r-process. Communications in Theoretical Physics, 2021, 73, 105301.	1.1	1
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35	QCD phase transition drives supernova explosion of a very massive star. European Physical Journal A, 2021, 57, 1.	1.0	13
36	Gamma-Ray Emission Produced by r-process Elements from Neutron Star Mergers. Astrophysical Journal, 2021, 919, 59.	1.6	11

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37	A Global Numerical Model of the Prompt Emission in Short Gamma-ray Bursts. <i>Astrophysical Journal</i> , 2021, 918, 59.	1.6	20
38	First Multimessenger Observations of a Neutron Star Merger. <i>Annual Review of Astronomy and Astrophysics</i> , 2021, 59, 155-202.	8.1	66
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45	Internal R-process Abundance Spread of M15 and a Single Stellar Population Model. <i>Astrophysical Journal Letters</i> , 2021, 921, L11.	3.0	2
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47	$\beta^2$ -delayed one-neutron emission probabilities within a neural network model. <i>Physical Review C</i> , 2021, 104, .	1.1	7
48	Dynamical ejecta of neutron star mergers with nucleonic weak processes II: kilonova emission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2820-2840.	1.6	26
49	Mass Distribution of Fission Fragments and Abundances of Heavy Nuclei Produced in the r-Process. <i>Physics of Atomic Nuclei</i> , 2021, 84, 683-693.	0.1	1
50	Dynamical ejecta of neutron star mergers with nucleonic weak processes I: nucleosynthesis. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 2804-2819.	1.6	39
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75	Metal-poor Stars Observed with the Southern African Large Telescope II. An Extended Sample. Astrophysical Journal, 2022, 927, 13.	1.6	7
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84	Mixing and Magnetic Fields in Asymptotic Giant Branch Stars in the Framework of FRUITY Models. Universe, 2022, 8, 16.	0.9	5
85	<i>Microscopic Structure of the Low-Energy Electric Dipole Response of <math>\text{mml:math}</math> <math>\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}</math> <math>\text{display="inline"}</math> <math>\langle \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle S_n \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mprescripts} \rangle \langle / \text{mml:none} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 120 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle \text{mml:mmultiscripts} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle</math></i> . Physical Review Letters, 2021, 127, 242501.	2.9	11
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89	Noniterative finite amplitude methods for $\text{mml:math}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle E \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle M \langle / \text{mml:mi} \rangle \langle \text{mml:mn} \rangle 1 \langle / \text{mml:mn} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ First Application of Mass Measurements with the Rare-RI Ring Reveals the Solar $\text{mml:math}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display="inline"}$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle r \langle / \text{mml:mi} \rangle \langle / \text{mml:mrow} \rangle \langle / \text{mml:math} \rangle$ -Process Abundance	2.9	4
90	Trend at $\text{mml:math}$ $\text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display="inline"}$ $\langle \text{mml:mi} \rangle A \langle / \text{mml:mi} \rangle \langle \text{mml:mo} \rangle = \langle / \text{mml:mo} \rangle \langle \text{mml:mn} \rangle 122 \langle / \text{mml:mn} \rangle \langle / \text{mml:math} \rangle$ and $\langle \text{mml:math} \text{xmlns:mml}=\text{"http://www.w3.org/1998/Math/MathML"}$ $\text{display="inline"}$ $\langle \text{mml:mi} \rangle A \langle / \text{mml:mi} \rangle$	2.9	16
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100	<math display="block">\langle mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="block">\langle mml:math display="block">\langle mml:mrow display="block">\langle mml:mi display="block">\hat{I}^3 \rangle \langle mml:mi display="block">\rangle \langle mml:mrow display="block">\rangle \langle mml:math display="block">\ranglePhysical Review Letters, 2022, 128, .	2.9	7
101	The NEXT Project: Towards Production and Investigation of Neutron-Rich Heavy Nuclides. <i>Atoms</i> , 2022, 10, 59.	0.7	4
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104	The R-process Alliance: A Nearly Complete R-process Abundance Template Derived from Ultraviolet Spectroscopy of the R-process-enhanced Metal-poor Star HD 222925*. <i>Astrophysical Journal, Supplement Series</i> , 2022, 260, 27.	3.0	32
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106	Origin of Plutonium-244 in the Early Solar System. <i>Universe</i> , 2022, 8, 343.	0.9	1
107	Shell Model Applications in Nuclear Astrophysics. <i>Physics</i> , 2022, 4, 677-689.	0.5	6
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