

# T T Hansen

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

2,616  
citations

147566

31  
h-index

205818

48  
g-index

53  
all docs

53  
docs citations

53  
times ranked

2623  
citing authors

#	ARTICLE	IF	CITATIONS
1	Light curves of the neutron star merger GW170817/SSS17a: Implications for r-process nucleosynthesis. <i>Science</i> , 2017, 358, 1570-1574.	6.0	517
2	OBSERVATIONAL CONSTRAINTS ON FIRST-STAR NUCLEOSYNTHESIS. I. EVIDENCE FOR MULTIPLE PROGENITORS OF CEMP-NO STARS. <i>Astrophysical Journal</i> , 2016, 833, 20.	1.6	143
3	AN ELEMENTAL ASSAY OF VERY, EXTREMELY, AND ULTRA-METAL-POOR STARS. <i>Astrophysical Journal</i> , 2015, 807, 173.	1.6	115
4	The role of binaries in the enrichment of the early Galactic halo. <i>Astronomy and Astrophysics</i> , 2016, 588, A3.	2.1	114
5	The R-process Alliance: First Release from the Southern Search for R-process-enhanced Stars in the Galactic Halo*. <i>Astrophysical Journal</i> , 2018, 858, 92.	1.6	111
6	An r-process Enhanced Star in the Dwarf Galaxy Tucana III*. <i>Astrophysical Journal</i> , 2017, 838, 44.	1.6	101
7	The R-Process Alliance: First Release from the Northern Search for r-process-enhanced Metal-poor Stars in the Galactic Halo. <i>Astrophysical Journal</i> , 2018, 868, 110.	1.6	88
8	The role of binaries in the enrichment of the early Galactic halo. <i>Astronomy and Astrophysics</i> , 2016, 586, A160.	2.1	83
9	EXPLORING THE ORIGIN OF LITHIUM, CARBON, STRONTIUM, AND BARIUM WITH FOUR NEW ULTRA METAL-POOR STARS. <i>Astrophysical Journal</i> , 2014, 787, 162.	1.6	76
10	Chemical Abundances in the Ultra-faint Dwarf Galaxies Grus I and Triangulum II: Neutron-capture Elements as a Defining Feature of the Faintest Dwarfs*. <i>Astrophysical Journal</i> , 2019, 870, 83.	1.6	66
11	The R-Process Alliance: 2MASS J09544277+5246414, the Most Actinide-enhanced R-II Star Known. <i>Astrophysical Journal Letters</i> , 2018, 859, L24.	3.0	64
12	The R-Process Alliance: Fourth Data Release from the Search for R-process-enhanced Stars in the Galactic Halo. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 30.	3.0	61
13	The Southern Stellar Stream Spectroscopic Survey (S <sup>5</sup> ): Chemical Abundances of Seven Stellar Streams. <i>Astronomical Journal</i> , 2020, 160, 181.	1.9	53
14	The R-Process Alliance: A Comprehensive Abundance Analysis of HD 222925, a Metal-poor Star with an Extreme R-process Enhancement of $[Eu/H] \approx 0.14$ *. <i>Astrophysical Journal</i> , 2018, 865, 129.	1.6	49
15	RAVE J203843.2+002333: The First Highly R-process-enhanced Star Identified in the RAVE Survey*. <i>Astrophysical Journal</i> , 2017, 844, 18.	1.6	48
16	Abundances of carbon-enhanced metal-poor stars as constraints on their formation. <i>Astronomy and Astrophysics</i> , 2016, 588, A37.	2.1	47
17	The R-Process Alliance: First Magellan/MIKE Release from the Southern Search for R-process-enhanced Stars*. <i>Astrophysical Journal</i> , 2020, 898, 150.	1.6	46
18	HAT-P-50b, HAT-P-51b, HAT-P-52b, AND HAT-P-53b: THREE TRANSITING HOT JUPITERS AND A TRANSITING HOT SATURN FROM THE HATNET SURVEY. <i>Astronomical Journal</i> , 2015, 150, 168.	1.9	44

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19	The Lanthanide Fraction Distribution in Metal-poor Stars: A Test of Neutron Star Mergers as the Dominant r-process Site. <i>Astrophysical Journal</i> , 2019, 882, 40.	1.6	44
20	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V*. <i>Astrophysical Journal</i> , 2020, 892, 137.	1.6	43
21	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy*. <i>Astrophysical Journal</i> , 2019, 882, 177.	1.6	42
22	Kinematics of Antlia 2 and Crater 2 from the Southern Stellar Stream Spectroscopic Survey (S) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622	1.6	42
23	The r-process Pattern of a Bright, Highly r-process-enhanced Metal-poor Halo Star at $[Fe/H] \hat{A} \hat{A}^{-1/4} \hat{A} \hat{A}^{-2}$ . <i>Astrophysical Journal Letters</i> , 2018, 854, L20.	3.0	38
24	Detailed Abundances in the Ultra-faint Magellanic Satellites Carina II and III. <i>Astrophysical Journal</i> , 2020, 889, 27.	1.6	38
25	The role of binaries in the enrichment of the early Galactic halo. <i>Astronomy and Astrophysics</i> , 2015, 583, A49.	2.1	38
26	Abundances and kinematics of carbon-enhanced metal-poor stars in the Galactic halo. <i>Astronomy and Astrophysics</i> , 2019, 623, A128.	2.1	37
27	Chemical Abundance Signature of J0023+0307: A Second-generation Main-sequence Star with $[Fe/H] \hat{A} \hat{A}^{-6}$ *. <i>Astrophysical Journal</i> , 2019, 871, 146.	1.6	36
28	The R-Process Alliance: Chemodynamically Tagged Groups of Halo r-process-enhanced Stars Reveal a Shared Chemical-evolution History. <i>Astrophysical Journal</i> , 2021, 908, 79.	1.6	34
29	<i>HUBBLE SPACE TELESCOPE</i> NEAR-ULTRAVIOLET SPECTROSCOPY OF BRIGHT CEMP- <i>s</i> STARS. <i>Astrophysical Journal</i> , 2015, 812, 109.	1.6	33
30	Chemical Abundance Analysis of Three $\hat{A} \hat{A}^{-}$ -poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I*. <i>Astrophysical Journal</i> , 2018, 852, 99.	1.6	33
31	THE BINARY FREQUENCY OF <i>r</i> -PROCESS-ELEMENT-ENHANCED METAL-POOR STARS AND ITS IMPLICATIONS: CHEMICAL TAGGING IN THE PRIMITIVE HALO OF THE MILKY WAY. <i>Astrophysical Journal Letters</i> , 2011, 743, L1.	3.0	32
32	Spectroscopic Validation of Low-metallicity Stars from RAVE. <i>Astronomical Journal</i> , 2018, 155, 256.	1.9	32
33	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
34	The Physical Origins of the Identified and Still Missing Components of the Warm “Hot Intergalactic Medium: Insights from Deep Surveys in the Field of Blazar 1ES1553+113. <i>Astrophysical Journal Letters</i> , 2019, 884, L31.	3.0	26
35	The R-Process Alliance: Discovery of the First Metal-poor Star with a Combined r- and s-process Element Signature*. <i>Astrophysical Journal</i> , 2018, 862, 174.	1.6	24
36	The R-process Alliance: The Peculiar Chemical Abundance Pattern of RAVE J183013.5 $\hat{A} \hat{A}^{-}$ 455510*. <i>Astrophysical Journal</i> , 2020, 897, 78.	1.6	24

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37	The R-Process Alliance: Chemical Abundances for a Trio of r-process-enhanced Starsâ€”One Strong, One Moderate, and One Mild*. <i>Astrophysical Journal</i> , 2018, 864, 43.	1.6	22
38	The R-Process Alliance: Spectroscopic Follow-up of Low-metallicity Star Candidates from the Best & Brightest Survey. <i>Astrophysical Journal</i> , 2019, 870, 122.	1.6	21
39	The R-Process Alliance: Discovery of a Low- $\alpha$ , r-process-enhanced Metal-poor Star in the Galactic Halo. <i>Astrophysical Journal</i> , 2019, 874, 148.	1.6	18
40	Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis*. <i>Astrophysical Journal</i> , 2020, 897, 183.	1.6	18
41	A SPECTROSCOPIC BINARY IN THE HERCULES DWARF SPHEROIDAL GALAXY. <i>Astrophysical Journal</i> , 2014, 780, 91.	1.6	17
42	Spectroscopy of the Young Stellar Association Price-Whelan 1: Origin in the Magellanic Leading Arm and Constraints on the Milky Way Hot Halo. <i>Astrophysical Journal</i> , 2019, 887, 115.	1.6	17
43	A Chemo-dynamical Link between the GJ $\alpha$ Stream and NGC 3201. <i>Astrophysical Journal</i> , 2020, 901, 23.	1.6	16
44	The R-Process Alliance: A Very Metal-poor, Extremely r-process-enhanced Star with $[\text{Eu}/\text{Fe}] = +2.2$ , and the Class of r-II Stars*. <i>Astrophysical Journal</i> , 2020, 898, 40.	1.6	11
45	Detection of Pb II in the Ultraviolet Spectra of Three Metal-poor Stars*. <i>Astrophysical Journal Letters</i> , 2020, 902, L24.	3.0	10
46	S <sup>5</sup> : The Destruction of a Bright Dwarf Galaxy as Revealed by the Chemistry of the Indus Stellar Stream. <i>Astrophysical Journal</i> , 2021, 915, 103.	1.6	8
47	Signature of a Massive Rotating Metal-poor Star Imprinted in the Phoenix Stellar Stream*. <i>Astrophysical Journal</i> , 2021, 921, 67.	1.6	3
48	New Highly r-Process-Enhanced Halo Stars. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 277-278.	0.0	1
49	$r$ -Process Elements as Tracers of Enrichment Processes in the Early Halo. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 272-273.	0.0	0
50	Exploring the early Universe with extremely metal-poor stars. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 64-68.	0.0	0
51	Production and Recycling of Carbon in the Early Galactic Halo. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 158-159.	0.0	0
52	The role of binaries in the enrichment of the early Galactic halo. <i>Astronomy and Astrophysics</i> , 2018, 620, C3.	2.1	0
53	Using stellar observations to trace the formation processes of Mo, Ru, Pd, and Ag. <i>Journal of Physics: Conference Series</i> , 2018, 940, 012009.	0.3	0