

# Elizabeth A Den Hartog

## List of Publications by Year in descending order

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32  
papers

1,056  
citations

567281

15  
h-index

434195

31  
g-index

32  
all docs

32  
docs citations

32  
times ranked

695  
citing authors

#	ARTICLE	IF	CITATIONS
1	NEW RARE EARTH ELEMENT ABUNDANCE DISTRIBUTIONS FOR THE SUN AND FIVE $r$ -PROCESS-RICH VERY METAL-POOR STARS. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 80-96.	7.7	165
2	IMPROVED LABORATORY TRANSITION PROBABILITIES FOR Ce II, APPLICATION TO THE CERIUM ABUNDANCES OF THE SUN AND FIVE $r$ -PROCESS-RICH, METAL-POOR STARS, AND RARE EARTH LAB DATA SUMMARY. <i>Astrophysical Journal, Supplement Series</i> , 2009, 182, 51-79.	7.7	133
3	IRON-GROUP ABUNDANCES IN THE METAL-POOR MAIN-SEQUENCE TURNOFF STAR HD 84937. <i>Astrophysical Journal</i> , 2016, 817, 53.	4.5	96
4	IMPROVED $\log(gf)$ VALUES OF SELECTED LINES IN Mn I AND Mn II FOR ABUNDANCE DETERMINATIONS IN FGK DWARFS AND GIANTS. <i>Astrophysical Journal, Supplement Series</i> , 2011, 194, 35.	7.7	93
5	Fe I oscillator strengths for the Gaia-ESO survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 3127-3136.	4.4	88
6	Fe I OSCILLATOR STRENGTHS FOR TRANSITIONS FROM HIGH-LYING EVEN-PARITY LEVELS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 23.	7.7	68
7	IMPROVED V I $\log(gf)$ VALUES AND ABUNDANCE DETERMINATIONS IN THE PHOTOSPHERES OF THE SUN AND METAL-POOR STAR HD 84937. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 20.	7.7	61
8	Linemake: An Atomic and Molecular Line List Generator. <i>Research Notes of the AAS</i> , 2021, 5, 92.	0.7	49
9	IMPROVED V II $\log(gf)$ VALUES, HYPERFINE STRUCTURE CONSTANTS, AND ABUNDANCE DETERMINATIONS IN THE PHOTOSPHERES OF THE SUN AND METAL-POOR STAR HD 84937. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 18.	7.7	48
10	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.	7.7	32
11	Fe I Oscillator Strengths for Transitions from High-lying Odd-parity Levels. <i>Astrophysical Journal</i> , 2017, 848, 125.	4.5	29
12	Atomic Transition Probabilities for UV and Blue Lines of Fe II and Abundance Determinations in the Photospheres of the Sun and Metal-poor Star HD 84937. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 33.	7.7	22
13	Comparison of Sm II transition probabilities. <i>Canadian Journal of Physics</i> , 2008, 86, 1033-1038.	1.1	19
14	Detailed Iron-peak Element Abundances in Three Very Metal-poor Stars*. <i>Astrophysical Journal</i> , 2020, 890, 119.	4.5	18
15	RADIATIVE LIFETIMES OF V I AND V II. <i>Astrophysical Journal, Supplement Series</i> , 2014, 215, 7.	7.7	17
16	Atomic transition probabilities of Er I. <i>Journal of Physics B: Atomic, Molecular and Optical Physics</i> , 2010, 43, 235001.	1.5	14
17	Vanadium Transitions in the Spectrum of Arcturus. <i>Astrophysical Journal, Supplement Series</i> , 2018, 234, 25.	7.7	12
18	Atomic Transition Probabilities of Neutral Calcium*. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 27.	7.7	12

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19	Radiative lifetimes of neutral erbium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2010, 43, 155004.	1.5	11
20	Atomic transition probabilities of neutral samarium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 215004.	1.5	10
21	Radiative lifetimes and transition probabilities of neutral lanthanum. Journal of Physics B: Atomic, Molecular and Optical Physics, 2015, 48, 155001.	1.5	10
22	Radiative lifetimes of neutral samarium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2013, 46, 185001.	1.5	8
23	Laboratory transition probabilities for studies of nucleosynthesis of Fe-group elements <sup>1</sup> . Canadian Journal of Physics, 2017, 95, 783-789.	1.1	7
24	Radiative lifetimes for 80 levels of singly ionized erbium. Journal of Physics B: Atomic, Molecular and Optical Physics, 2007, 40, 4529-4536.	1.5	6
25	Atomic transition probabilities of Nd I. Journal of Physics B: Atomic, Molecular and Optical Physics, 2011, 44, 235003.	1.5	6
26	Hyperfine Structure Constants for Levels of <sup>175</sup> Lu <sup>+</sup> . Astrophysical Journal, Supplement Series, 2020, 248, 10.	7.7	6
27	Improved Atomic Transition Probabilities for UV and Optical Lines of Hf II and Determination of the Hf Abundance in Two Metal-poor Stars*. Astrophysical Journal, Supplement Series, 2021, 254, 5.	7.7	5
28	Atomic Data for Stellar Nucleosynthesis. Proceedings of the International Astronomical Union, 2015, 11, 287-290.	0.0	4
29	Improving the Ar i and ii branching ratio calibration method: Monte Carlo simulations of effects from photon scattering/reflecting in hollow cathodes. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 207, 41-47.	2.3	4
30	Atomic data for stellar spectroscopy: recent successes and remaining needs. Physica Scripta, 2014, 89, 114006.	2.5	2
31	Energy Levels of Singly Ionized and Neutral Hafnium. Astrophysical Journal, Supplement Series, 2022, 258, 27.	7.7	1
32	Quantitative atomic spectroscopy, a review of progress in the optical-UV region and future opportunities. Proceedings of the International Astronomical Union, 2019, 15, 301-305.	0.0	0