

# Hans Kjeldsen

## List of Publications by Year in descending order

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Version: 2024-02-01

40  
papers

9,457  
citations

236925

25  
h-index

330143

37  
g-index

40  
all docs

40  
docs citations

40  
times ranked

5391  
citing authors

#	ARTICLE	IF	CITATIONS
1	Kepler Planet-Detection Mission: Introduction and First Results. <i>Science</i> , 2010, 327, 977-980.	12.6	2,848
2	Transiting Exoplanet Survey Satellite. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2014, 1, 014003.	1.8	2,300
3	<i>KEPLER MISSION</i> DESIGN, REALIZED PHOTOMETRIC PERFORMANCE, AND EARLY SCIENCE. <i>Astrophysical Journal Letters</i> , 2010, 713, L79-L86.	8.3	941
4	Transiting Exoplanet Survey Satellite (TESS). <i>Proceedings of SPIE</i> , 2014, , .	0.8	566
5	Planetary Candidates Observed by <i>Kepler</i> . VIII. A Fully Automated Catalog with Measured Completeness and Reliability Based on Data Release 25. <i>Astrophysical Journal, Supplement Series</i> , 2018, 235, 38.	7.7	316
6	Stellar Spin-Orbit Misalignment in a Multiplanet System. <i>Science</i> , 2013, 342, 331-334.	12.6	262
7	FUNDAMENTAL PROPERTIES OF <i>KEPLER</i> PLANET-CANDIDATE HOST STARS USING ASTEROSEISMOLOGY. <i>Astrophysical Journal</i> , 2013, 767, 127.	4.5	259
8	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. II. Radii, Masses, and Ages. <i>Astrophysical Journal</i> , 2017, 835, 173.	4.5	223
9	Standing on the Shoulders of Dwarfs: the Kepler Asteroseismic LEGACY Sample. I. Oscillation Mode Parameters. <i>Astrophysical Journal</i> , 2017, 835, 172.	4.5	195
10	Solar-like Oscillations in $\epsilon$ Centauri B. <i>Astrophysical Journal</i> , 2005, 635, 1281-1290.	4.5	191
11	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	7.7	190
12	RADIUS DETERMINATION OF SOLAR-TYPE STARS USING ASTEROSEISMOLOGY: WHAT TO EXPECT FROM THE KEPLER MISSION. <i>Astrophysical Journal</i> , 2009, 700, 1589-1602.	4.5	141
13	The Amplitude of Solar Oscillations Using Stellar Techniques. <i>Astrophysical Journal</i> , 2008, 682, 1370-1375.	4.5	116
14	High-precision time-resolved CCD photometry. <i>Publications of the Astronomical Society of the Pacific</i> , 1992, 104, 413.	3.1	103
15	The Occurrence of Rocky Habitable-zone Planets around Solar-like Stars from Kepler Data. <i>Astronomical Journal</i> , 2021, 161, 36.	4.7	96
16	CALIBRATING CONVECTIVE PROPERTIES OF SOLAR-LIKE STARS IN THE <i>KEPLER</i> FIELD OF VIEW. <i>Astrophysical Journal Letters</i> , 2012, 755, L12.	8.3	80
17	KEPLER-93b: A TERRESTRIAL WORLD MEASURED TO WITHIN 120 km, AND A TEST CASE FOR A NEW <i>SPITZER</i> OBSERVING MODE. <i>Astrophysical Journal</i> , 2014, 790, 12.	4.5	76
18	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72

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19	Very regular high-frequency pulsation modes in young intermediate-mass stars. <i>Nature</i> , 2020, 581, 147-151.	27.8	69
20	A giant impact as the likely origin of different twins in the Kepler-107 exoplanet system. <i>Nature Astronomy</i> , 2019, 3, 416-423.	10.1	64
21	The Asteroseismic Target List for Solar-like Oscillators Observed in 2 minute Cadence with the Transiting Exoplanet Survey Satellite. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 12.	7.7	58
22	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\hat{1}/2$ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	10.1	46
23	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. <i>Astrophysical Journal Letters</i> , 2020, 889, L34.	8.3	37
24	Simulating stochastically excited oscillations – The mode lifetime of $\hat{1}/3/4$ Hya. <i>Solar Physics</i> , 2004, 220, 207-228.	2.5	36
25	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. <i>Astrophysical Journal</i> , 2019, 885, 31.	4.5	28
26	Asteroseismic masses of retired planet-hosting A-stars using SONG. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 4110-4116.	4.4	26
27	A 20 Second Cadence View of Solar-type Stars and Their Planets with TESS: Asteroseismology of Solar Analogs and a Recharacterization of $\hat{1}/\epsilon$ Men c. <i>Astronomical Journal</i> , 2022, 163, 79.	4.7	22
28	Data preparation for asteroseismology with TESS. <i>EPJ Web of Conferences</i> , 2017, 160, 01005.	0.3	21
29	The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS. <i>Astrophysical Journal</i> , 2020, 900, 154.	4.5	18
30	TESS Asteroseismology of $\hat{1}/\pm$ Mensae: Benchmark Ages for a G7 Dwarf and Its M Dwarf Companion. <i>Astrophysical Journal</i> , 2021, 922, 229.	4.5	14
31	Asteroseismic modelling of the subgiant $\hat{1}/4$ Herculis using SONG data: lifting the degeneracy between age and model input parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 780-789.	4.4	12
32	Stellar Observations Network Group: The prototype is nearly ready. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 69-75.	0.0	10
33	TESS Data for Asteroseismology: Timing Verification <sup>*</sup> . <i>Astronomical Journal</i> , 2020, 160, 34.	4.7	9
34	Measurements of Stellar Properties through Asteroseismology: A Tool for Planet Transit Studies. <i>Proceedings of the International Astronomical Union</i> , 2008, 4, 309-317.	0.0	6
35	Kepler, CoRoT and MOST: Time-Series Photometry from Space. <i>Proceedings of the International Astronomical Union</i> , 2011, 7, 17-22.	0.0	3
36	More on Solar-like Oscillations in $\hat{1}$ Boo. <i>International Astronomical Union Colloquium</i> , 1995, 155, 109-110.	0.1	2

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37	Asteroseismology – Studying stellar structure. AIP Conference Proceedings, 2008, , .	0.4	1
38	Time-Series Spectroscopy of EC 14026 Stars: Preliminary Results. International Astronomical Union Colloquium, 2000, 176, 519-520.	0.1	0
39	Using SONG to probe rapid variability and evolution of starspots. Proceedings of the International Astronomical Union, 2010, 6, 451-454.	0.0	0
40	Chronos - take the pulse of our galactic neighbourhood. Experimental Astronomy, 2021, 51, 945.	3.7	0