

# Karsten Brogaard

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

2,578  
citations

201674

27  
h-index

189892

50  
g-index

50  
all docs

50  
docs citations

50  
times ranked

1929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical Composition of Bright Stars in the Northern Hemisphere: Star-Planet Connection. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 45.	7.7	4
2	Asteroseismology of the multiple stellar populations in the globular cluster M4. <i>Astronomy and Astrophysics</i> , 2022, 662, L7.	5.1	14
3	Age dissection of the Milky Way discs: Red giants in the Kepler field. <i>Astronomy and Astrophysics</i> , 2021, 645, A85.	5.1	85
4	HAYDN. <i>Experimental Astronomy</i> , 2021, 51, 963-1001.	3.7	22
5	Age and helium content of the open cluster NGC 6791 from multiple eclipsing binary members. <i>Astronomy and Astrophysics</i> , 2021, 649, A178.	5.1	9
6	Asteroseismology of overmassive, undermassive, and potential past members of the open cluster NGC 6791. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 496-509.	4.4	11
7	Properties of the Hyades, the eclipsing binary HD 27130, and the oscillating red giant $\mu$ Tauri. <i>Astronomy and Astrophysics</i> , 2021, 645, A25.	5.1	6
8	Extremely precise age and metallicity of the open cluster NGC 2506 using detached eclipsing binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 1312-1339.	4.4	6
9	Variability in the Massive Open Cluster NGC 1817 from K2: A Rich Population of Asteroseismic Red Clump, Eclipsing Binary, and Main-sequence Pulsating Stars. <i>Astronomical Journal</i> , 2020, 159, 96.	4.7	7
10	Chemical Composition of Bright Stars in the Continuous Viewing Zone of the TESS Space Mission. <i>Astrophysical Journal, Supplement Series</i> , 2020, 248, 19.	7.7	9
11	Systematic differences in the spectroscopic analysis of red giants. <i>Astronomy and Astrophysics</i> , 2019, 622, A111.	5.1	13
12	Asteroseismology of the Hyades red giant and planet host $\mu$ Tauri. <i>Astronomy and Astrophysics</i> , 2019, 622, A190.	5.1	19
13	The mass and age of the first SONG target: the red giant 46 LMi. <i>Astronomy and Astrophysics</i> , 2018, 613, A53.	5.1	8
14	The blue straggler V106 in NGC 6791: a prototype progenitor of old single giants masquerading as young. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 5062-5072.	4.4	18
15	Establishing the accuracy of asteroseismic mass and radius estimates of giant stars. I. Three eclipsing systems at $[Fe/H] \sim 0.3$ and the need for a large high-precision sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 3729-3743.	4.4	69
16	PLATO as it is: A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , 2017, 338, 644-661.	1.2	61
17	Convective-core Overshoot and Suppression of Oscillations: Constraints from Red Giants in NGC 6811. <i>Astrophysical Journal</i> , 2017, 838, 115.	4.5	18
18	The age of 47 Tuc from self-consistent isochrone fits to colour-magnitude diagrams and the eclipsing member V69. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 645-661.	4.4	33

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19	First Results from the Hertzsprung SONG Telescope: Asteroseismology of the G5 Subgiant Star $\frac{1}{4}$ Herculis*. <i>Astrophysical Journal</i> , 2017, 836, 142.	4.5	66
20	NGC 6819: testing the asteroseismic mass scale, mass loss and evidence for products of non-standard evolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 979-997.	4.4	70
21	The [Y/Mg] clock works for evolved solar metallicity stars. <i>Astronomy and Astrophysics</i> , 2017, 604, L8.	5.1	30
22	Testing asteroseismic scaling relations using eclipsing binaries in star clusters and the field. <i>Astronomische Nachrichten</i> , 2016, 337, 793-798.	1.2	33
23	Peakbagging in the open cluster NGC 6819: Opening a treasure chest or Pandora's box?. <i>Astronomische Nachrichten</i> , 2016, 337, 799-804.	1.2	3
24	DETERMINING THE AGE OF THE KEPLER OPEN CLUSTER NGC 6819 WITH A NEW TRIPLE SYSTEM AND OTHER ECLIPSING BINARY STARS*. <i>Astronomical Journal</i> , 2016, 151, 66.	4.7	27
25	THE AGE AND DISTANCE OF THE KEPLER OPEN CLUSTER NGC 6811 FROM AN ECLIPSING BINARY, TURNOFF STAR PULSATION, AND GIANT ASTEROSEISMOLOGY. <i>Astrophysical Journal</i> , 2016, 831, 11.	4.5	37
26	Detection of solar-like oscillations in relics of the Milky Way: asteroseismology of K giants in M4 using data from the NASA K2 mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 760-765.	4.4	61
27	Variable stars in two open clusters within the Kepler/K2-Campaign-0 field: M35 and NGC 2158. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 447, 3536-3547.	4.4	36
28	Exploiting the Open Clusters in the Kepler and CoRoT Fields. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2015, , 51-57.	0.3	10
29	The M4 Core Project with HST. III. Search for variable stars in the primary field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2381-2391.	4.4	18
30	Spectroscopic study of the open cluster NGC 6811. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 2446-2461.	4.4	33
31	The M4 Core Project with HST. II. Multiple stellar populations at the bottom of the main sequence. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 439, 1588-1595.	4.4	39
32	The M 4 Core Project with HST: I. Overview and first epoch. <i>Astronomische Nachrichten</i> , 2013, 334, 1062-1085.	1.2	13
33	WOCS 40007: A DETACHED ECLIPSING BINARY NEAR THE TURNOFF OF THE OPEN CLUSTER NGC 6819. <i>Astronomical Journal</i> , 2013, 146, 58.	4.7	37
34	THE AGES OF 55 GLOBULAR CLUSTERS AS DETERMINED USING AN IMPROVED $\Delta V_{m, HB} - V_{m, TO}$ METHOD ALONG WITH COLOR-MAGNITUDE DIAGRAM CONSTRAINTS, AND THEIR IMPLICATIONS FOR BROADER ISSUES. <i>Astrophysical Journal</i> , 2013, 775, 134.	4.5	353
35	Detached Eclipsing Binaries and heartbeat stars in the Kepler field. <i>EAS Publications Series</i> , 2013, 64, 393-394.	0.3	1
36	A LONG-PERIOD TOTALLY ECLIPSING BINARY STAR AT THE TURNOFF OF THE OPEN CLUSTER NGC 6819 DISCOVERED WITH KEPLER. <i>Astrophysical Journal</i> , 2013, 762, 58.	4.5	41

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37	KICâ€‰8410637: a 408-day period eclipsing binary containing a pulsating giant star. <i>Astronomy and Astrophysics</i> , 2013, 556, A138.	5.1	80
38	ASTEROSEISMOLOGY OF THE OPEN CLUSTERS NGC 6791, NGC 6811, AND NGC 6819 FROM 19 MONTHS OF <i>KEPLER</i> PHOTOMETRY. <i>Astrophysical Journal</i> , 2012, 757, 190.	4.5	129
39	Age and helium content of the open cluster NGCâ€‰6791 from multiple eclipsing binary members. <i>Astronomy and Astrophysics</i> , 2012, 543, A106.	5.1	142
40	Atmospheric parameters of 82 red giants in the <i>Kepler</i> field. <i>Astronomy and Astrophysics</i> , 2012, 543, A160.	5.1	72
41	Asteroseismology of old open clusters with Kepler: direct estimate of the integrated red giant branch mass-loss in NGC 6791 and 6819. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 2077-2088.	4.4	268
42	Age and helium content of the open cluster NGCâ€‰6791 from multiple eclipsing binary members. <i>Astronomy and Astrophysics</i> , 2011, 525, A2.	5.1	80
43	SOUNDING OPEN CLUSTERS: ASTEROSEISMIC CONSTRAINTS FROM <i>KEPLER</i> ON THE PROPERTIES OF NGC 6791 AND NGC 6819. <i>Astrophysical Journal Letters</i> , 2011, 729, L10.	8.3	120
44	AN ASTEROSEISMIC MEMBERSHIP STUDY OF THE RED GIANTS IN THREE OPEN CLUSTERS OBSERVED BY <i>KEPLER</i> : NGC 6791, NGC 6819, AND NGC 6811. <i>Astrophysical Journal</i> , 2011, 739, 13.	4.5	88
45	A MULTI-SITE CAMPAIGN TO MEASURE SOLAR-LIKE OSCILLATIONS IN PROCYON. II. MODE FREQUENCIES. <i>Astrophysical Journal</i> , 2010, 713, 935-949.	4.5	78
46	DETECTION OF SOLAR-LIKE OSCILLATIONS FROM <i>KEPLER</i> PHOTOMETRY OF THE OPEN CLUSTER NGC 6819. <i>Astrophysical Journal Letters</i> , 2010, 713, L182-L186.	8.3	65
47	Solar-like oscillations in cluster stars. <i>Astronomische Nachrichten</i> , 2010, 331, 985-988.	1.2	5
48	Oscillations in Procyon A: First results from a multi-site campaign. <i>Journal of Physics: Conference Series</i> , 2008, 118, 012059.	0.4	2
49	A Multisite Campaign to Measure Solar-like Oscillations in Procyon. I. Observations, Data Reduction, and Slow Variations. <i>Astrophysical Journal</i> , 2008, 687, 1180-1190.	4.5	128
50	Photospheric and chromospheric activity on EY Dra. <i>Astronomische Nachrichten</i> , 2007, 328, 897-903.	1.2	1