

Jorgen Christensen-Dalsgaard

List of Publications by Year in descending order

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314
papers

34,309
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3159

92
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322
docs citations

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times ranked

7837
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	The Current State of Solar Modeling. <i>Science</i> , 1996, 272, 1286-1292.	12.6	957
4	<i>KEPLER MISSION</i> DESIGN, REALIZED PHOTOMETRIC PERFORMANCE, AND EARLY SCIENCE. <i>Astrophysical Journal Letters</i> , 2010, 713, L79-L86.	8.3	941
5	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	3.7	912
6	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM <i>KEPLER</i>. <i>Astrophysical Journal, Supplement Series</i> , 2012, 201, 15.	7.7	871
7	CHARACTERISTICS OF PLANETARY CANDIDATES OBSERVED BY<i>KEPLER</i>. II. ANALYSIS OF THE FIRST FOUR MONTHS OF DATA. <i>Astrophysical Journal</i> , 2011, 736, 19.	4.5	859
8	Asteroseismology. <i>Astronomy and Astrophysics Library</i> , 2010, , .	0.1	695
9	Transiting Exoplanet Survey Satellite (TESS). <i>Proceedings of SPIE</i> , 2014, , .	0.8	566
10	Helioseismology. <i>Reviews of Modern Physics</i> , 2002, 74, 1073-1129.	45.6	476
11	<i>KEPLER</i>'S FIRST ROCKY PLANET: KEPLER-10b. <i>Astrophysical Journal</i> , 2011, 729, 27.	4.5	473
12	Gravity modes as a way to distinguish between hydrogen- and helium-burning red giant stars. <i>Nature</i> , 2011, 471, 608-611.	27.8	465
13	MASSES, RADII, AND ORBITS OF SMALL <i>KEPLER</i> PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 20.	7.7	418
14	Fast core rotation in red-giant stars as revealed by gravity-dominated mixed modes. <i>Nature</i> , 2012, 481, 55-57.	27.8	383
15	The Internal Rotation of the Sun. <i>Annual Review of Astronomy and Astrophysics</i> , 2003, 41, 599-643.	24.3	379
16	Kepler Asteroseismology Program: Introduction and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 131-143.	3.1	370
17	Kepler-36: A Pair of Planets with Neighboring Orbits and Dissimilar Densities. <i>Science</i> , 2012, 337, 556-559.	12.6	335
18	ADIPLSâ€”the Aarhus adiabatic oscillation package. <i>Astrophysics and Space Science</i> , 2008, 316, 113-120.	1.4	327

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19	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
20	TESTING SCALING RELATIONS FOR SOLAR-LIKE OSCILLATIONS FROM THE MAIN SEQUENCE TO RED GIANTS USING<i>KEPLER</i>DATA. <i>Astrophysical Journal</i> , 2011, 743, 143.	4.5	303
21	The depth of the solar convection zone. <i>Astrophysical Journal</i> , 1991, 378, 413.	4.5	301
22	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA <i>KEPLER</i> MISSION. <i>Astrophysical Journal, Supplement Series</i> , 2014, 210, 1.	7.7	293
23	SEISMIC EVIDENCE FOR A RAPIDLY ROTATING CORE IN A LOWER-GIANT-BRANCH STAR OBSERVED WITH<i>KEPLER</i>. <i>Astrophysical Journal</i> , 2012, 756, 19.	4.5	290
24	Ages and fundamental properties of<i>Kepler</i>exoplanet host stars from asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2127-2148.	4.4	283
25	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. <i>Science</i> , 2011, 332, 213-216.	12.6	267
26	Correcting Stellar Oscillation Frequencies for Near-Surface Effects. <i>Astrophysical Journal</i> , 2008, 683, L175-L178.	4.5	263
27	Stellar Spin-Orbit Misalignment in a Multiplanet System. <i>Science</i> , 2013, 342, 331-334.	12.6	262
28	FUNDAMENTAL PROPERTIES OF<i>KEPLER</i>PLANET-CANDIDATE HOST STARS USING ASTEROSEISMOLOGY. <i>Astrophysical Journal</i> , 2013, 767, 127.	4.5	259
29	Seismic constraints on the radial dependence of the internal rotation profiles of six<i>Kepler</i>subgiants and young red giants. <i>Astronomy and Astrophysics</i> , 2014, 564, A27.	5.1	249
30	NOMINAL VALUES FOR SELECTED SOLAR AND PLANETARY QUANTITIES: IAU 2015 RESOLUTION B3[*] ^{â€‹}. <i>Astronomical Journal</i> , 2016, 152, 41.	4.7	235
31	Preparation of <i>Kepler</i> light curves for asteroseismic analyses. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 414, L6-L10.	3.3	230
32	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
33	ASTECâ€”the Aarhus STellar Evolution Code. <i>Astrophysics and Space Science</i> , 2008, 316, 13-24.	1.4	218
34	Kepler-22b: A 2.4 EARTH-RADIUS PLANET IN THE HABITABLE ZONE OF A SUN-LIKE STAR. <i>Astrophysical Journal</i> , 2012, 745, 120.	4.5	218
35	Effects of diffusion on solar models and their oscillation frequencies. <i>Astrophysical Journal</i> , 1993, 403, L75.	4.5	212
36	The Seismic Structure of the Sun. <i>Science</i> , 1996, 272, 1296-1300.	12.6	210

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37	Speed of sound in the solar interior. <i>Nature</i> , 1985, 315, 378-382.	27.8	209
38	CALCULATING ASTEROSEISMIC DIAGRAMS FOR SOLAR-LIKE OSCILLATIONS. <i>Astrophysical Journal</i> , 2011, 743, 161.	4.5	209
39	FUNDAMENTAL PROPERTIES OF STARS USING ASTEROSEISMOLOGY FROM <i>KEPLER</i> AND <i>CoRoT</i> AND INTERFEROMETRY FROM THE CHARA ARRAY. <i>Astrophysical Journal</i> , 2012, 760, 32.	4.5	206
40	SOLAR-LIKE OSCILLATIONS IN LOW-LUMINOSITY RED GIANTS: FIRST RESULTS FROM <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2010, 713, L176-L181.	8.3	203
41	Accurate fundamental parameters and detailed abundance patterns from spectroscopy of 93 solar-type Kepler targets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 423, 122-131.	4.4	200
42	ANGULAR MOMENTUM TRANSPORT WITHIN EVOLVED LOW-MASS STARS. <i>Astrophysical Journal</i> , 2014, 788, 93.	4.5	200
43	Kepler's Optical Phase Curve of the Exoplanet HAT-P-7b. <i>Science</i> , 2009, 325, 709-709.	12.6	197
44	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
45	A sub-Mercury-sized exoplanet. <i>Nature</i> , 2013, 494, 452-454.	27.8	193
46	Asteroseismology of red giants from the first four months of <i>Kepler</i> data: Fundamental stellar parameters. <i>Astronomy and Astrophysics</i> , 2010, 522, A1.	5.1	191
47	Kepler Detected Gravity-Mode Period Spacings in a Red Giant Star. <i>Science</i> , 2011, 332, 205-205.	12.6	187
48	Deeply Penetrating Banded Zonal Flows in the Solar Convection Zone. <i>Astrophysical Journal</i> , 2000, 533, L163-L166.	4.5	186
49	On solar models and their periods of oscillation. <i>Monthly Notices of the Royal Astronomical Society</i> , 1982, 199, 735-761.	4.4	181
50	Helioseismic Measurement of Solar Torsional Oscillations. <i>Science</i> , 2002, 296, 101-103.	12.6	178
51	Physics of solar-like oscillations. <i>Solar Physics</i> , 2004, 220, 137-168.	2.5	173
52	Hot super-Earths stripped by their host stars. <i>Nature Communications</i> , 2016, 7, 11201.	12.8	172
53	Are Standard Solar Models Reliable?. <i>Physical Review Letters</i> , 1997, 78, 171-174.	7.8	171
54	Solar oscillations and the equation of state. <i>Astronomy and Astrophysics Review</i> , 1992, 4, 267-361.	25.5	169

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55	ASTEROSEISMOLOGY OF RED GIANTS FROM THE FIRST FOUR MONTHS OF <i>KEPLER</i> DATA: GLOBAL OSCILLATION PARAMETERS FOR 800 STARS. <i>Astrophysical Journal</i> , 2010, 723, 1607-1617.	4.5	168
56	A UNIFORM ASTEROSEISMIC ANALYSIS OF 22 SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2012, 749, 152.	4.5	167
57	AN ANCIENT EXTRASOLAR SYSTEM WITH FIVE SUB-EARTH-SIZE PLANETS. <i>Astrophysical Journal</i> , 2015, 799, 170.	4.5	164
58	ASTEROSEISMIC DETERMINATION OF OBLIQUITIES OF THE EXOPLANET SYSTEMS KEPLER-50 AND KEPLER-65. <i>Astrophysical Journal</i> , 2013, 766, 101.	4.5	158
59	ASTEROSEISMOLOGY OF THE SOLAR ANALOGS 16 Cyg A AND B FROM <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 748, L10.	8.3	156
60	VERIFYING ASTEROSEISMICALLY DETERMINED PARAMETERS OF <i>KEPLER</i> STARS USING <i>HIPPARCOS</i> PARALLAXES: SELF-CONSISTENT STELLAR PROPERTIES AND DISTANCES. <i>Astrophysical Journal</i> , 2012, 757, 99.	4.5	151
61	TESS Discovery of a Transiting Super-Earth in the π Mensae System. <i>Astrophysical Journal Letters</i> , 2018, 868, L39.	8.3	148
62	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
63	Solar Neutrino Emission Deduced from a Seismic Model. <i>Astrophysical Journal</i> , 2001, 555, L69-L73.	4.5	134
64	ASTEROSEISMIC INVESTIGATION OF KNOWN PLANET HOSTS IN THE <i>KEPLER</i> FIELD. <i>Astrophysical Journal Letters</i> , 2010, 713, L164-L168.	8.3	132
65	A PRECISE ASTEROSEISMIC AGE AND RADIUS FOR THE EVOLVED SUN-LIKE STAR KIC 11026764. <i>Astrophysical Journal</i> , 2010, 723, 1583-1598.	4.5	130
66	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
67	Improvements to stellar structure models, based on a grid of 3D convection simulations II. Calibrating the mixing-length formulation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 4366-4384.	4.4	128
68	Oscillation mode frequencies of 61 main-sequence and subgiant stars observed by <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 543, A54.	5.1	126
69	KEPLER-21b: A 1.6 R_{Earth} PLANET TRANSITING THE BRIGHT OSCILLATING F SUBGIANT STAR HD 179070. <i>Astrophysical Journal</i> , 2012, 746, 123.	4.5	124
70	Giant star seismology. <i>Astronomy and Astrophysics Review</i> , 2017, 25, 1.	25.5	124
71	THE ASTEROSEISMIC POTENTIAL OF <i>KEPLER</i> : FIRST RESULTS FOR SOLAR-TYPE STARS. <i>Astrophysical Journal Letters</i> , 2010, 713, L169-L175.	8.3	122
72	THE ASTEROSEISMIC POTENTIAL OF TESS: EXOPLANET-HOST STARS. <i>Astrophysical Journal</i> , 2016, 830, 138.	4.5	122

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73	PROPERTIES OF 42 SOLAR-TYPE <i>KEPLER</i> TARGETS FROM THE ASTEROSEISMIC MODELING PORTAL. <i>Astrophysical Journal, Supplement Series</i> , 2014, 214, 27.	7.7	121
74	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
75	Solar oscillation frequencies and the equation of state. <i>Nature</i> , 1988, 336, 634-638.	27.8	119
76	Accurate Determination of the Solar Photospheric Radius. <i>Astrophysical Journal</i> , 1998, 500, L195-L198.	4.5	118
77	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BY<i>KEPLER</i>. <i>Astrophysical Journal</i> , 2011, 732, 54.	4.5	118
78	First Kepler results on compact pulsators - I. Survey target selection and the first pulsators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1470-1486.	4.4	115
79	STELLAR AGES AND CONVECTIVE CORES IN FIELD MAIN-SEQUENCE STARS: FIRST ASTEROSEISMIC APPLICATION TO TWO<i>KEPLER</i> TARGETS. <i>Astrophysical Journal</i> , 2013, 769, 141.	4.5	115
80	EVIDENCE FOR THE IMPACT OF STELLAR ACTIVITY ON THE DETECTABILITY OF SOLAR-LIKE OSCILLATIONS OBSERVED BY <i>KEPLER</i>. <i>Astrophysical Journal Letters</i> , 2011, 732, L5.	8.3	114
81	Is the Sun helium-deficient?. <i>Nature</i> , 1980, 288, 544-547.	27.8	110
82	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. <i>Astrophysical Journal Letters</i> , 2019, 871, L24.	8.3	108
83	Does Kepler unveil the mystery of the Blazhko effect? First detection of period doubling in Kepler Blazhko RR Lyrae stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1244-1252.	4.4	107
84	KEPLER-68: THREE PLANETS, ONE WITH A DENSITY BETWEEN THAT OF EARTH AND ICE GIANTS. <i>Astrophysical Journal</i> , 2013, 766, 40.	4.5	106
85	Asteroseismology and interferometry. <i>Astronomy and Astrophysics Review</i> , 2007, 14, 217-360.	25.5	105
86	A more realistic representation of overshoot at the base of the solar convective envelope as seen by helioseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 1158-1174.	4.4	102
87	Solar internal sound speed as inferred from combined BiSON and LOWL oscillation frequencies. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 292, 243-251.	4.4	101
88	Oscillation frequencies for 35<i>Kepler</i> solar-type planet-hosting stars using Bayesian techniques and machine learning. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2183-2195.	4.4	101
89	Solar-like oscillations in red giants observed with<i>Kepler</i>: comparison of global oscillation parameters from different methods. <i>Astronomy and Astrophysics</i> , 2011, 525, A131.	5.1	100
90	The Stability of a Solar Model to Non-Radial Oscillations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1974, 169, 429-445.	4.4	99

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91	WHAT ASTEROSEISMOLOGY CAN DO FOR EXOPLANETS: KEPLER-410A b IS A SMALL NEPTUNE AROUND A BRIGHT STAR, IN AN ECCENTRIC ORBIT CONSISTENT WITH LOW OBLIQUITY. <i>Astrophysical Journal</i> , 2014, 782, 14.	4.5	98
92	The use of frequency-separation ratios for asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 671-679.	4.4	97
93	FIRST <i>KEPLER</i> RESULTS ON RR LYRAE STARS. <i>Astrophysical Journal Letters</i> , 2010, 713, L198-L203.	8.3	96
94	The Occurrence of Rocky Habitable-zone Planets around Solar-like Stars from Kepler Data. <i>Astronomical Journal</i> , 2021, 161, 36.	4.7	96
95	On the interpretation of five-minute oscillations in solar spectrum line shifts. <i>Monthly Notices of the Royal Astronomical Society</i> , 1982, 198, 141-171.	4.4	95
96	2M1938+4603: a rich, multimode pulsating sdB star with an eclipsing dM companion observed with <i>Kepler</i> . <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2010, 408, L51-L55.	3.3	94
97	Seismic study of stellar convective regions: the base of the convective envelope in low-mass stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2000, 316, 165-172.	4.4	93
98	On the opacity change required to compensate for the revised solar composition. <i>Astronomy and Astrophysics</i> , 2009, 494, 205-208.	5.1	92
99	The treatment of mixing in core helium burning models α I. Implications for asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 123-145.	4.4	91
100	SPIN-ORBIT ALIGNMENT OF EXOPLANET SYSTEMS: ENSEMBLE ANALYSIS USING ASTEROSEISMOLOGY. <i>Astrophysical Journal</i> , 2016, 819, 85.	4.5	91
101	A STELLAR MODEL-FITTING PIPELINE FOR ASTEROSEISMIC DATA FROM THE <i>KEPLER</i> MISSION. <i>Astrophysical Journal</i> , 2009, 699, 373-382.	4.5	89
102	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
103	Sources of uncertainty in direct seismological measurements of the solar helium abundance. <i>Monthly Notices of the Royal Astronomical Society</i> , 1992, 259, 536-558.	4.4	83
104	On solar p-mode frequency shifts caused by near-surface model changes. <i>Monthly Notices of the Royal Astronomical Society</i> , 1997, 284, 527-540.	4.4	80
105	EARLY ASTEROSEISMIC RESULTS FROM <i>KEPLER</i> : STRUCTURAL AND CORE PARAMETERS OF THE HOT B SUBDWARF KPD 1943+4058 AS INFERRED FROM <i>g</i> -MODE OSCILLATIONS. <i>Astrophysical Journal Letters</i> , 2010, 718, L97-L101.	8.3	79
106	Asteroseismic detection of latitudinal differential rotation in 13 Sun-like stars. <i>Science</i> , 2018, 361, 1231-1234.	12.6	79
107	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
108	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

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109	The effectiveness of oscillation frequencies in constraining stellar model parameters. <i>Astrophysical Journal</i> , 1994, 427, 1013.	4.5	76
110	Modeling solar-like oscillations in eta Bootis. <i>Astrophysical Journal</i> , 1995, 443, L29.	4.5	76
111	High-precision abundances of elements in solar-type stars. <i>Astronomy and Astrophysics</i> , 2020, 640, A81.	5.1	75
112	Towards a heliological inverse problem. <i>Nature</i> , 1976, 259, 89-92.	27.8	74
113	Differential asymptotic sound-speed inversions. <i>Monthly Notices of the Royal Astronomical Society</i> , 1989, 238, 481-502.	4.4	74
114	The phase function for stellar acoustic oscillations - III. The solar case. <i>Monthly Notices of the Royal Astronomical Society</i> , 1994, 269, 475-492.	4.4	74
115	Kepler observations of rapidly oscillating Ap, $\hat{\Gamma}$ Scuti and $\hat{\Gamma}^3$ Doradus pulsations in Ap stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 517-524.	4.4	74
116	MEASUREMENT OF ACOUSTIC GLITCHES IN SOLAR-TYPE STARS FROM OSCILLATION FREQUENCIES OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2014, 782, 18.	4.5	73
117	NON-RADIAL OSCILLATIONS IN M-GIANT SEMI-REGULAR VARIABLES: STELLAR MODELS AND <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2014, 788, L10.	8.3	73
118	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
119	A NOTE ON THE TORSIONAL OSCILLATION AT SOLAR MINIMUM. <i>Astrophysical Journal</i> , 2009, 701, L87-L90.	4.5	70
120	THE HIGH-LATITUDE BRANCH OF THE SOLAR TORSIONAL OSCILLATION IN THE RISING PHASE OF CYCLE 24. <i>Astrophysical Journal Letters</i> , 2013, 767, L20.	8.3	70
121	KEPLER-432: A RED GIANT INTERACTING WITH ONE OF ITS TWO LONG-PERIOD GIANT PLANETS. <i>Astrophysical Journal</i> , 2015, 803, 49.	4.5	70
122	ASTEROSEISMOLOGY OF THE TRANSITING EXOPLANET HOST HD 17156 WITH <i>HUBBLE SPACE TELESCOPE</i> FINE GUIDANCE SENSOR. <i>Astrophysical Journal</i> , 2011, 726, 2.	4.5	69
123	Rotation of the solar core from BiSON and LOWL frequency observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 308, 405-414.	4.4	68
124	Asteroseismology from multi-month <i>Kepler</i> photometry: the evolved Sun-like stars KIC 10273246 and KIC 10920273. <i>Astronomy and Astrophysics</i> , 2011, 534, A6.	5.1	67
125	Fourier analysis of non-Blazhko ab-type RR Lyrae stars observed with the Kepler space telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 417, 1022-1053.	4.4	67
126	First Results from the Hertzsprung SONG Telescope: Asteroseismology of the G5 Subgiant Star $\hat{\Gamma}^4$ Herculis*. <i>Astrophysical Journal</i> , 2017, 836, 142.	4.5	66

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127	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
128	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
129	AUTOMATIC DETERMINATION OF STELLAR PARAMETERS VIA ASTEROSEISMOLOGY OF STOCHASTICALLY OSCILLATING STARS: COMPARISON WITH DIRECT MEASUREMENTS. <i>Astrophysical Journal</i> , 2010, 725, 2176-2189.	4.5	63
130	Kepler photometry of the prototypical Blazhko star RR Lyr: an old friend seen in a new light. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 411, 878-890.	4.4	63
131	Detection of solar five-minute oscillations of low degree. <i>Solar Physics</i> , 1983, 82, 75-87.	2.5	62
132	PLATO as it is: A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , 2017, 338, 644-661.	1.2	61
133	SOLAR-LIKE OSCILLATIONS IN KIC 11395018 AND KIC 11234888 FROM 8 MONTHS OF <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2011, 733, 95.	4.5	60
134	On the choice of parameters in solar-structure inversion. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 309, 35-47.	4.4	59
135	INTERNAL ROTATION OF THE RED-GIANT STAR KIC 4448777 BY MEANS OF ASTEROSEISMIC INVERSION. <i>Astrophysical Journal</i> , 2016, 817, 65.	4.5	59
136	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
137	Asteroseismic inferences on red giants in open clusters NGC 6791, NGC 6819, and NGC 6811 using <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2011, 530, A100.	5.1	57
138	OLD PUZZLE, NEW INSIGHTS: A LITHIUM-RICH GIANT QUIETLY BURNING HELIUM IN ITS CORE. <i>Astrophysical Journal Letters</i> , 2014, 784, L16.	8.3	57
139	Weakly interacting massive particles, solar neutrinos, and solar oscillations. <i>Nature</i> , 1986, 321, 229-231.	27.8	56
140	Improvements to stellar structure models, based on a grid of 3D convection simulations $\epsilon \propto I. T(\bar{\rho},)$ relations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 805-820.	4.4	56
141	THE KEPLER-454 SYSTEM: A SMALL, NOT-ROCKY INNER PLANET, A JOVIAN WORLD, AND A DISTANT COMPANION. <i>Astrophysical Journal</i> , 2016, 816, 95.	4.5	55
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