

Benoit Mosser

List of Publications by Year in descending order

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Version: 2024-02-01

151
papers

16,750
citations

9756

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15218

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151
times ranked

6244
citing authors

#	ARTICLE	IF	CITATIONS
1	Detections of solar-like oscillations in dwarfs and subgiants with <i>Kepler</i> DR25 short-cadence data. <i>Astronomy and Astrophysics</i> , 2022, 657, A31.	2.1	14
2	TESS asteroseismology of the Kepler red giants. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 1677-1686.	1.6	24
3	The K2 Galactic Archaeology Program Data Release 3: Age-abundance Patterns in C1â€C8 and C10â€C18. <i>Astrophysical Journal</i> , 2022, 926, 191.	1.6	19
4	The Seventeenth Data Release of the Sloan Digital Sky Surveys: Complete Release of MaNGA, MaStar, and APOGEE-2 Data. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 35.	3.0	405
5	Seismic signature of electron degeneracy in the core of red giants: Hints for mass transfer between close red-giant companions. <i>Astronomy and Astrophysics</i> , 2022, 659, A106.	2.1	16
6	Most lithium-rich low-mass evolved stars revealed as red clump stars by asteroseismology and spectroscopy. <i>Nature Astronomy</i> , 2021, 5, 86-93.	4.2	31
7	Automated approach to measure stellar inclinations: validation through large-scale measurements on the red giant branch. <i>Astronomy and Astrophysics</i> , 2021, 645, A124.	2.1	13
8	PBJam: A Python Package for Automating Asteroseismology of Solar-like Oscillators*. <i>Astronomical Journal</i> , 2021, 161, 62.	1.9	16
9	Age dissection of the Milky Way discs: Red giants in the <i>Kepler</i> field. <i>Astronomy and Astrophysics</i> , 2021, 645, A85.	2.1	85
10	An Intermediate-age Alpha-rich Galactic Population in K2. <i>Astronomical Journal</i> , 2021, 161, 100.	1.9	8
11	Seismic constraints on the internal structure of evolved stars: From high-luminosity RGB to AGB stars. <i>Astronomy and Astrophysics</i> , 2021, 650, A115.	2.1	6
12	HAYDN. <i>Experimental Astronomy</i> , 2021, 51, 963-1001.	1.6	22
13	Chronologically dating the early assembly of the Milky Way. <i>Nature Astronomy</i> , 2021, 5, 640-647.	4.2	61
14	Chronos - take the pulse of our galactic neighbourhood. <i>Experimental Astronomy</i> , 2021, 51, 945.	1.6	0
15	Age-dating Red Giant Stars Associated with Galactic Disk and Halo Substructures. <i>Astrophysical Journal</i> , 2021, 916, 88.	1.6	19
16	Prospects for Galactic and stellar astrophysics with asteroseismology of giant stars in the <i>TESS</i> continuous viewing zones and beyond. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 1947-1966.	1.6	30
17	The 16th Data Release of the Sloan Digital Sky Surveys: First Release from the APOGEE-2 Southern Survey and Full Release of eBOSS Spectra. <i>Astrophysical Journal, Supplement Series</i> , 2020, 249, 3.	3.0	826
18	Detection and Characterization of Oscillating Red Giants: First Results from the TESS Satellite. <i>Astrophysical Journal Letters</i> , 2020, 889, L34.	3.0	37

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19	Age dating of an early Milky Way merger via asteroseismology of the naked-eye star $\hat{\nu}_{1/2}$ Indi. <i>Nature Astronomy</i> , 2020, 4, 382-389.	4.2	46
20	Attitude control: A key factor during the design of low-thrust propulsion for CubeSats. <i>Acta Astronautica</i> , 2020, 176, 40-51.	1.7	9
21	Active red giants: Close binaries versus single rapid rotators. <i>Astronomy and Astrophysics</i> , 2020, 639, A63.	2.1	24
22	The Sixth Data Release of the Radial Velocity Experiment (Rave). II. Stellar Atmospheric Parameters, Chemical Abundances, and Distances. <i>Astronomical Journal</i> , 2020, 160, 83.	1.9	96
23	The Sixth Data Release of the Radial Velocity Experiment (RAVE). I. Survey Description, Spectra, and Radial Velocities. <i>Astronomical Journal</i> , 2020, 160, 82.	1.9	85
24	The Evolution of Rotation and Magnetic Activity in 94 Aqr Aa from Asteroseismology with TESS. <i>Astrophysical Journal</i> , 2020, 900, 154.	1.6	18
25	The K2 Galactic Archaeology Program Data Release 2: Asteroseismic Results from Campaigns 4, 6, and 7. <i>Astrophysical Journal, Supplement Series</i> , 2020, 251, 23.	3.0	22
26	TESS asteroseismology of the known planet host star ν Fornacis. <i>Astronomy and Astrophysics</i> , 2020, 641, A25.	2.1	16
27	Robust asteroseismic properties of the bright planet host HD 38529. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 6084-6093.	1.6	8
28	Masses and ages for metal-poor stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A173.	2.1	32
29	New light on the Gaia DR2 parallax zero-point: influence of the asteroseismic approach, in and beyond the Kepler field. <i>Astronomy and Astrophysics</i> , 2019, 628, A35.	2.1	50
30	Insights from the APOKASC determination of the evolutionary state of red-giant stars by consolidation of different methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4641-4657.	1.6	17
31	Analytical modelling of period spacings across the HR diagram. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 909-926.	1.6	23
32	TESS Asteroseismology of the Known Red-giant Host Stars HD 212771 and HD 203949. <i>Astrophysical Journal</i> , 2019, 885, 31.	1.6	28
33	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	1.9	72
34	Seismic performance. <i>Astronomy and Astrophysics</i> , 2019, 622, A76.	2.1	17
35	The PLATO Solar-like Light-curve Simulator. <i>Astronomy and Astrophysics</i> , 2019, 624, A117.	2.1	12
36	The K2 Galactic Caps Project “going beyond the Kepler field and ageing the Galactic disc. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 4465-4480.	1.6	24

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37	Evolution of the gravity offset of mixed modes in RGB stars. <i>Astronomy and Astrophysics</i> , 2019, 626, A125.	2.1	11
38	The Red-giant Branch Bump Revisited: Constraints on Envelope Overshooting in a Wide Range of Masses and Metallicities. <i>Astrophysical Journal</i> , 2018, 859, 156.	1.6	28
39	Period spacings in red giants. <i>Astronomy and Astrophysics</i> , 2018, 618, A109.	2.1	52
40	The Second APOKASC Catalog: The Empirical Approach. <i>Astrophysical Journal, Supplement Series</i> , 2018, 239, 32.	3.0	183
41	Core rotation braking on the red giant branch for various mass ranges. <i>Astronomy and Astrophysics</i> , 2018, 616, A24.	2.1	107
42	Amplitude and lifetime of radial modes in red giant star spectra observed by <i>Kepler</i>. <i>Astronomy and Astrophysics</i> , 2018, 616, A94.	2.1	28
43	The <i>Gaia</i>-ESO Survey: properties of newly discovered Li-rich giants. <i>Astronomy and Astrophysics</i> , 2018, 617, A4.	2.1	34
44	THE RADIAL VELOCITY EXPERIMENT (RAVE): FIFTH DATA RELEASE. <i>Astronomical Journal</i> , 2017, 153, 75.	1.9	380
45	Galactic archaeology with asteroseismology and spectroscopy: Red giants observed by CoRoT and APOGEE. <i>Astronomy and Astrophysics</i> , 2017, 597, A30.	2.1	84
46	<i>Kepler</i> observations of the asteroseismic binary HD 176465. <i>Astronomy and Astrophysics</i> , 2017, 601, A82.	2.1	28
47	The Correlation between Mixing Length and Metallicity on the Giant Branch: Implications for Ages in the Gaia Era. <i>Astrophysical Journal</i> , 2017, 840, 17.	1.6	80
48	PLATO <i>as it is</i>: A legacy mission for Galactic archaeology. <i>Astronomische Nachrichten</i> , 2017, 338, 644-661.	0.6	61
49	Asteroseismology and Gaia: Testing Scaling Relations Using 2200 Kepler Stars with TGAS Parallaxes. <i>Astrophysical Journal</i> , 2017, 844, 102.	1.6	185
50	The 13th Data Release of the Sloan Digital Sky Survey: First Spectroscopic Data from the SDSS-IV Survey Mapping Nearby Galaxies at Apache Point Observatory. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 25.	3.0	406
51	THE K2 GALACTIC ARCHAEOLOGY PROGRAM DATA RELEASE I: ASTEROSEISMIC RESULTS FROM CAMPAIGN 1. <i>Astrophysical Journal</i> , 2017, 835, 83.	1.6	85
52	Period spacings in red giants. <i>Astronomy and Astrophysics</i> , 2017, 600, A1.	2.1	36
53	Kepler red-clump stars in the field and in open clusters: constraints on core mixing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 469, 4718-4725.	1.6	32
54	The Apache Point Observatory Galactic Evolution Experiment (APOGEE). <i>Astronomical Journal</i> , 2017, 154, 94.	1.9	1,065

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55	The First APOKASC Catalog of Kepler Dwarf and Subgiant Stars. <i>Astrophysical Journal, Supplement Series</i> , 2017, 233, 23.	3.0	121
56	A CoRoT View of the ϵ Aur binary HR 6902. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 329-329.	0.0	0
57	RAVE stars in K2. <i>Astronomy and Astrophysics</i> , 2017, 600, A66.	2.1	30
58	Red giants observed by CoRoT and APOGEE: The evolution of the Milky Way's radial metallicity gradient. <i>Astronomy and Astrophysics</i> , 2017, 600, A70.	2.1	102
59	Dipole modes with depressed amplitudes in red giants are mixed modes. <i>Astronomy and Astrophysics</i> , 2017, 598, A62.	2.1	43
60	Rapidly rotating red giants. <i>EPJ Web of Conferences</i> , 2017, 160, 04005.	0.1	3
61	INTERNAL ROTATION OF THE RED-GIANT STAR KIC44448777 BY MEANS OF ASTEROSEISMIC INVERSION. <i>Astrophysical Journal</i> , 2016, 817, 65.	1.6	59
62	Period spacings in red giants. <i>Astronomy and Astrophysics</i> , 2016, 588, A87.	2.1	131
63	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.	1.6	61
64	TESTING THE ASTEROSEISMIC SCALING RELATIONS FOR RED GIANTS WITH ECLIPSING BINARIES OBSERVED BY KEPLER. <i>Astrophysical Journal</i> , 2016, 832, 121.	1.6	131
65	Testing the cores of first ascent red giant stars using the period spacing of g modes. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016, 457, L59-L63.	1.2	18
66	IV.2 Pulsating red giant stars. , 2016, , 197.		10
67	Angular momentum redistribution by mixed modes in evolved low-mass stars. <i>Astronomy and Astrophysics</i> , 2015, 579, A30.	2.1	37
68	Period spacings in red giants. <i>Astronomy and Astrophysics</i> , 2015, 584, A50.	2.1	76
69	Angular momentum redistribution by mixed modes in evolved low-mass stars. <i>Astronomy and Astrophysics</i> , 2015, 579, A31.	2.1	60
70	OSCILLATING RED GIANTS OBSERVED DURING CAMPAIGN 1 OF THE KEPLER K2 MISSION: NEW PROSPECTS FOR GALACTIC ARCHAEOLOGY. <i>Astrophysical Journal Letters</i> , 2015, 809, L3.	3.0	84
71	Seismic evidence for a weak radial differential rotation in intermediate-mass core helium burning stars. <i>Astronomy and Astrophysics</i> , 2015, 580, A96.	2.1	112
72	Young $[\alpha/Fe]$ -enhanced stars discovered by CoRoT and APOGEE: What is their origin?. <i>Astronomy and Astrophysics</i> , 2015, 576, L12.	2.1	130

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73	Stellar oscillations - I - The adiabatic case. EAS Publications Series, 2015, 73-74, 3-110.	0.3	2
74	Helium signature in red giant oscillation patterns observed by <i>Kepler</i> . Astronomy and Astrophysics, 2015, 579, A84.	2.1	32
75	Toward long-term all-sky time domain surveys-SINDICS: a prospective concept for a Seismic INDICES Survey of half a million red giants. EPJ Web of Conferences, 2015, 101, 06045.	0.1	1
76	Young α -enriched giant stars in the solar neighbourhood. Monthly Notices of the Royal Astronomical Society, 2015, 451, 2230-2243.	1.6	133
77	Asteroseismology of Solar-Type Stars with <i>K2</i> : Detection of Oscillations in C1 Data. Publications of the Astronomical Society of the Pacific, 2015, 127, 1038-1044.	1.0	25
78	Models of red giants in the CoRoT asteroseismology fields combining asteroseismic and spectroscopic constraints. Astronomy and Astrophysics, 2015, 580, A141.	2.1	23
79	Mixed modes in red giants: a window on stellar evolution. Astronomy and Astrophysics, 2014, 572, L5.	2.1	156
80	Study of KIC 8561221 observed by <i>Kepler</i> : an early red giant showing depressed dipolar modes. Astronomy and Astrophysics, 2014, 563, A84.	2.1	40
81	Theoretical power spectra of mixed modes in low-mass red giant stars. Astronomy and Astrophysics, 2014, 572, A11.	2.1	50
82	THE APOKASC CATALOG: AN ASTEROSEISMIC AND SPECTROSCOPIC JOINT SURVEY OF TARGETS IN THE <i>KEPLER</i> FIELDS. Astrophysical Journal, Supplement Series, 2014, 215, 19.	3.0	268
83	SURFACE ACTIVITY AND OSCILLATION AMPLITUDES OF RED GIANTS IN ECLIPSING BINARIES. Astrophysical Journal, 2014, 785, 5.	1.6	73
84	Bayesian distances and extinctions for giants observed by Kepler and APOGEE. Monthly Notices of the Royal Astronomical Society, 2014, 445, 2758-2776.	1.6	148
85	REVISED STELLAR PROPERTIES OF <i>KEPLER</i> TARGETS FOR THE QUARTER 1-16 TRANSIT DETECTION RUN. Astrophysical Journal, Supplement Series, 2014, 211, 2.	3.0	418
86	ASTEROSEISMIC FUNDAMENTAL PROPERTIES OF SOLAR-TYPE STARS OBSERVED BY THE NASA <i>KEPLER</i> MISSION. Astrophysical Journal, Supplement Series, 2014, 210, 1.	3.0	293
87	ASTEROSEISMOLOGY OF EVOLVED STARS WITH <i>KEPLER</i> : A NEW WAY TO CONSTRAIN STELLAR INTERIORS USING MODE INERTIAS. Astrophysical Journal Letters, 2014, 781, L29.	3.0	44
88	TESTING THE ASTEROSEISMIC MASS SCALE USING METAL-POOR STARS CHARACTERIZED WITH APOGEE AND <i>KEPLER</i> . Astrophysical Journal Letters, 2014, 785, L28.	3.0	84
89	OLD PUZZLE, NEW INSIGHTS: A LITHIUM-RICH GIANT QUIETLY BURNING HELIUM IN ITS CORE. Astrophysical Journal Letters, 2014, 784, L16.	3.0	57
90	Seismic constraints on the radial dependence of the internal rotation profiles of six <i>Kepler</i> subgiants and young red giants. Astronomy and Astrophysics, 2014, 564, A27.	2.1	249

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91	Pulsating red giant stars in eccentric binary systems discovered from <i>Kepler</i> space-based photometry. <i>Astronomy and Astrophysics</i> , 2014, 564, A36.	2.1	108
92	Atmospheric parameters and chemical properties of red giants in the CoRoT asteroseismology fields. <i>Astronomy and Astrophysics</i> , 2014, 564, A119.	2.1	33
93	The connection between stellar granulation and oscillation as seen by the <i>Kepler</i> mission. <i>Astronomy and Astrophysics</i> , 2014, 570, A41.	2.1	174
94	Galactic archaeology: mapping and dating stellar populations with asteroseismology of red-giant stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 429, 423-428.	1.6	163
95	Seismic constraints on rotation of Sun-like star and mass of exoplanet. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13267-13271.	3.3	79
96	ASTEROSEISMIC CLASSIFICATION OF STELLAR POPULATIONS AMONG 13,000 RED GIANTS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2013, 765, L41.	3.0	198
97	RED GIANTS IN ECLIPSING BINARY AND MULTIPLE-STAR SYSTEMS: MODELING AND ASTEROSEISMIC ANALYSIS OF 70 CANDIDATES FROM <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2013, 767, 82.	1.6	69
98	PROPERTIES OF OSCILLATION MODES IN SUBGIANT STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2013, 767, 158.	1.6	44
99	Stellar granulation as seen in disk-integrated intensity. <i>Astronomy and Astrophysics</i> , 2013, 559, A40.	2.1	34
100	Differential population studies using asteroseismology: Solar-like oscillating giants in CoRoT fields LRC01 and LRA01. <i>EPJ Web of Conferences</i> , 2013, 43, 03004.	0.1	31
101	Asymptotic and measured large frequency separations. <i>Astronomy and Astrophysics</i> , 2013, 550, A126.	2.1	139
102	Seismic diagnostics for transport of angular momentum in stars. <i>Astronomy and Astrophysics</i> , 2013, 549, A75.	2.1	89
103	Period-luminosity relations in evolved red giants explained by solar-like oscillations. <i>Astronomy and Astrophysics</i> , 2013, 559, A137.	2.1	63
104	Differential asteroseismic study of seismic twins observed by CoRoT. <i>Astronomy and Astrophysics</i> , 2013, 558, A79.	2.1	10
105	Fast core rotation in red-giant stars as revealed by gravity-dominated mixed modes. <i>Nature</i> , 2012, 481, 55-57.	13.7	383
106	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.	1.6	151
107	SOLVING THE MODE IDENTIFICATION PROBLEM IN ASTEROSEISMOLOGY OF F STARS OBSERVED WITH <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2012, 751, L36.	3.0	41
108	Spin down of the core rotation in red giants. <i>Astronomy and Astrophysics</i> , 2012, 548, A10.	2.1	319

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109	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.	1.6	290
110	Evolutionary influences on the structure of red-giant acoustic oscillation spectra from 600d of <i>Kepler</i> observations. <i>Astronomy and Astrophysics</i> , 2012, 541, A51.	2.1	83
111	Characterization of the power excess of solar-like oscillations in red giants with <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 537, A30.	2.1	166
112	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.	1.6	129
113	ASTEROSEISMOLOGY OF THE SOLAR ANALOGS 16 Cyg A AND B FROM <i>KEPLER</i> OBSERVATIONS. <i>Astrophysical Journal Letters</i> , 2012, 748, L10.	3.0	156
114	Probing the core structure and evolution of red giants using gravity-dominated mixed modes observed with <i>Kepler</i> . <i>Astronomy and Astrophysics</i> , 2012, 540, A143.	2.1	197
115	Solar-like oscillations in red giants observed with <i>Kepler</i> : influence of increased timespan on global oscillation parameters. <i>Astronomy and Astrophysics</i> , 2012, 544, A90.	2.1	51
116	Modelling a high-mass red giant observed by CoRoT. <i>Astronomy and Astrophysics</i> , 2012, 538, A73.	2.1	28
117	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.	1.6	268
118	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.	1.6	200
119	The underlying physical meaning of the $\nu_{\text{max}} \propto \nu_{\text{c}}$ relation. <i>Astronomy and Astrophysics</i> , 2011, 530, A142.	2.1	208
120	PREDICTING THE DETECTABILITY OF OSCILLATIONS IN SOLAR-TYPE STARS OBSERVED BY <i>KEPLER</i> . <i>Astrophysical Journal</i> , 2011, 732, 54.	1.6	118
121	The universal red-giant oscillation pattern. <i>Astronomy and Astrophysics</i> , 2011, 525, L9.	2.1	136
122	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.	1.6	303
123	SOLAR-LIKE OSCILLATIONS IN KIC 11395018 AND KIC 11234888 FROM 8 MONTHS OF <i>KEPLER</i> DATA. <i>Astrophysical Journal</i> , 2011, 733, 95.	1.6	60
124	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.	3.0	114
125	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.	3.0	120
126	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.	2.1	100

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127	Asteroseismology from multi-month <i>Kepler</i> photometry: the evolved Sun-like stars KIC10273246 and KIC10920273. <i>Astronomy and Astrophysics</i> , 2011, 534, A6.	2.1	67
128	Accurate p-mode measurements of the G0V metal-rich CoRoT target HD52265. <i>Astronomy and Astrophysics</i> , 2011, 530, A97.	2.1	75
129	GRANULATION IN RED GIANTS: OBSERVATIONS BY THE <i>KEPLER</i> MISSION AND THREE-DIMENSIONAL CONVECTION SIMULATIONS. <i>Astrophysical Journal</i> , 2011, 741, 119.	1.6	153
130	MODELING <i>KEPLER</i> OBSERVATIONS OF SOLAR-LIKE OSCILLATIONS IN THE RED GIANT STAR HD 186355. <i>Astrophysical Journal</i> , 2011, 742, 120.	1.6	28
131	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.	1.6	88
132	Global asteroseismic properties of solar-like oscillations observed by Kepler: a comparison of complementary analysis methods. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 415, 3539-3551.	1.6	93
133	Gravity modes as a way to distinguish between hydrogen- and helium-burning red giant stars. <i>Nature</i> , 2011, 471, 608-611.	13.7	465
134	Ensemble Asteroseismology of Solar-Type Stars with the NASA Kepler Mission. <i>Science</i> , 2011, 332, 213-216.	6.0	267
135	Kepler Detected Gravity-Mode Period Spacings in a Red Giant Star. <i>Science</i> , 2011, 332, 205-205.	6.0	187
136	Mixed modes in red-giant stars observed with CoRoT. <i>Astronomy and Astrophysics</i> , 2011, 532, A86.	2.1	159
137	Evidence for a sharp structure variation inside a red-giant star. <i>Astronomy and Astrophysics</i> , 2010, 520, L6.	2.1	75
138	A MULTI-SITE CAMPAIGN TO MEASURE SOLAR-LIKE OSCILLATIONS IN PROCYON. II. MODE FREQUENCIES. <i>Astrophysical Journal</i> , 2010, 713, 935-949.	1.6	78
139	SOLAR-LIKE OSCILLATIONS IN LOW-LUMINOSITY RED GIANTS: FIRST RESULTS FROM <i>KEPLER</i> . <i>Astrophysical Journal Letters</i> , 2010, 713, L176-L181.	3.0	203
140	Red-giant seismic properties analyzed with CoRoT. <i>Astronomy and Astrophysics</i> , 2010, 517, A22.	2.1	181
141	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.	1.6	168
142	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.	2.1	191
143	Seismic and spectroscopic characterization of the solar-like pulsating CoRoT target HD49385. <i>Astronomy and Astrophysics</i> , 2010, 515, A87.	2.1	83
144	The CoRoT target HD175726: an active star with weak solar-like oscillations. <i>Astronomy and Astrophysics</i> , 2009, 506, 33-40.	2.1	59

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145	A fresh look at the seismic spectrum of HD49933: analysis of 180 days of CoRoT photometry. <i>Astronomy and Astrophysics</i> , 2009, 507, L13-L16.	2.1	83
146	Solar-like oscillations in HD 181420: data analysis of 156 days of CoRoT data. <i>Astronomy and Astrophysics</i> , 2009, 506, 51-56.	2.1	70
147	On detecting the large separation in the autocorrelation of stellar oscillation times series. <i>Astronomy and Astrophysics</i> , 2009, 508, 877-887.	2.1	180
148	CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun. <i>Science</i> , 2008, 322, 558-560.	6.0	199
149	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.	1.6	128
150	Asteroseismology of Procyon with SOPHIE. <i>Astronomy and Astrophysics</i> , 2008, 478, 197-202.	2.1	17
151	CoRoT sounds the stars: p-mode parameters of Sun-like oscillations on HD 49933. <i>Astronomy and Astrophysics</i> , 2008, 488, 705-714.	2.1	178