

Conny Aerts

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8053676/publications.pdf>

Version: 2024-02-01

322
papers

30,394
citations

17405

63
h-index

4978

167
g-index

325
all docs

325
docs citations

325
times ranked

12068
citing authors

#	ARTICLE	IF	CITATIONS
1	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A1.	2.1	6,364
2	The <i>Gaia</i> mission. <i>Astronomy and Astrophysics</i> , 2016, 595, A1.	2.1	4,509
3	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A1.	2.1	2,429
4	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2016, 595, A2.	2.1	1,590
5	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	1.6	912
6	Asteroseismology. <i>Astronomy and Astrophysics Library</i> , 2010, , .	0.2	695
7	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A10.	2.1	638
8	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
9	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
10	Fast core rotation in red-giant stars as revealed by gravity-dominated mixed modes. <i>Nature</i> , 2012, 481, 55-57.	13.7	383
11	Kepler Asteroseismology Program: Introduction and First Results. <i>Publications of the Astronomical Society of the Pacific</i> , 2010, 122, 131-143.	1.0	370
12	CoRoT Measures Solar-Like Oscillations and Granulation in Stars Hotter Than the Sun. <i>Science</i> , 2008, 322, 558-560.	6.0	199
13	KOI-54: THE <i>KEPLER</i> DISCOVERY OF TIDALLY EXCITED PULSATIONS AND BRIGHTENINGS IN A HIGHLY ECCENTRIC BINARY. <i>Astrophysical Journal, Supplement Series</i> , 2011, 197, 4.	3.0	192
14	Kepler Detected Gravity-Mode Period Spacings in a Red Giant Star. <i>Science</i> , 2011, 332, 205-205.	6.0	187
15	Angular Momentum Transport in Stellar Interiors. <i>Annual Review of Astronomy and Astrophysics</i> , 2019, 57, 35-78.	8.1	167
16	Asteroseismology of HD 129929: Core Overshooting and Nonrigid Rotation. <i>Science</i> , 2003, 300, 1926-1928.	6.0	165
17	Interior rotation of a sample of $\hat{\nu}$ Doradus stars from ensemble modelling of their gravity-mode period spacings. <i>Astronomy and Astrophysics</i> , 2016, 593, A120.	2.1	155
18	Automated supervised classification of variable stars. <i>Astronomy and Astrophysics</i> , 2007, 475, 1159-1183.	2.1	151

#	ARTICLE	IF	CITATIONS
19	Probing the interior physics of stars through asteroseismology. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	148
20	Tight asteroseismic constraints on core overshooting and diffusive mixing in the slowly rotating pulsating B8.3V star KIC10526294. <i>Astronomy and Astrophysics</i> , 2015, 580, A27.	2.1	137
21	Detection of Solar-like oscillations in the G7 giant star ϵ Hya. <i>Astronomy and Astrophysics</i> , 2002, 394, L5-L8.	2.1	135
22	Deviations from a uniform period spacing of gravity modes in a massive star. <i>Nature</i> , 2010, 464, 259-261.	13.7	133
23	SUB-INERTIAL GRAVITY MODES IN THE B8V STAR KIC 7760680 REVEAL MODERATE CORE OVERSHOOTING AND LOW VERTICAL DIFFUSIVE MIXING. <i>Astrophysical Journal</i> , 2016, 823, 130.	1.6	122
24	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.	1.6	115
25	GRAVITY-MODE PERIOD SPACINGS AS A SEISMIC DIAGNOSTIC FOR A SAMPLE OF ϵ DORADUS STARS FROM KEPLER SPACE PHOTOMETRY AND HIGH-RESOLUTION GROUND-BASED SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 27.	3.0	115
26	Abundance analysis of prime B-type targets for asteroseismology. <i>Astronomy and Astrophysics</i> , 2006, 457, 651-663.	2.1	114
27	Signatures of internal rotation discovered in the Kepler data of five slowly pulsating B stars. <i>Astronomy and Astrophysics</i> , 2017, 598, A74.	2.1	111
28	Pulsating red giant stars in eccentric binary systems discovered from Kepler space-based photometry. <i>Astronomy and Astrophysics</i> , 2014, 564, A36.	2.1	108
29	An asteroseismic study of the ϵ Cephei star ϵ Ophiuchi: constraints on global stellar parameters and core overshooting. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 381, 1482-1488.	1.6	107
30	Discovery of magnetic fields in the ϵ Cephei star ϵ 1 CMa and in several slowly pulsating B stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2006, 369, L61-L65.	1.2	106
31	Asteroseismology and interferometry. <i>Astronomy and Astrophysics Review</i> , 2007, 14, 217-360.	9.1	105
32	Kepler Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 623, A110.	2.1	101
33	Collective pulsational velocity broadening due to gravity modes as a physical explanation for macroturbulence in hot massive stars. <i>Astronomy and Astrophysics</i> , 2009, 508, 409-419.	2.1	100
34	A study of bright southern slowly pulsating B stars. <i>Astronomy and Astrophysics</i> , 2002, 393, 965-981.	2.1	99
35	Statistical properties of a sample of periodically variable B-type supergiants. <i>Astronomy and Astrophysics</i> , 2007, 463, 1093-1109.	2.1	99
36	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.	1.6	98

#	ARTICLE	IF	CITATIONS
37	The IACOB project. <i>Astronomy and Astrophysics</i> , 2017, 597, A22.	2.1	98
38	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.	1.2	94
39	Evidence for nonlinear resonant mode coupling in the η Cephei star HD 180642 (V1449) Tj ETQq ₁ 1 0.784314 rgBT	2.1	93
40	Low-frequency gravity waves in blue supergiants revealed by high-precision space photometry. <i>Nature Astronomy</i> , 2019, 3, 760-765.	4.2	92
41	HD 181068: A Red Giant in a Triply Eclipsing Compact Hierarchical Triple System. <i>Science</i> , 2011, 332, 216-218.	6.0	91
42	Internal mixing of rotating stars inferred from dipole gravity modes. <i>Nature Astronomy</i> , 2021, 5, 715-722.	4.2	91
43	Global stellar variability study in the field-of-view of the <i>Kepler</i> satellite. <i>Astronomy and Astrophysics</i> , 2011, 529, A89.	2.1	87
44	Gravito-inertial and pressure modes detected in the B3 IV CoRoT target HD 43317. <i>Astronomy and Astrophysics</i> , 2012, 542, A55.	2.1	87
45	Asteroseismology of the η Cep star HD 129929. <i>Astronomy and Astrophysics</i> , 2004, 415, 251-257.	2.1	87
46	Asteroseismology of the η Cephei star 12 (DD) Lacertae: photometric observations, pulsational frequency analysis and mode identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 365, 327-338.	1.6	86
47	The PLATO Mission. <i>Astronomische Nachrichten</i> , 2016, 337, 961-963.	0.6	83
48	THE INTERNAL ROTATION PROFILE OF THE B-TYPE STAR KIC 10526294 FROM FREQUENCY INVERSION OF ITS DIPOLE GRAVITY MODES. <i>Astrophysical Journal</i> , 2015, 810, 16.	1.6	82
49	Sensitivity of gravito-inertial modes to differential rotation in intermediate-mass main-sequence stars. <i>Astronomy and Astrophysics</i> , 2018, 618, A24.	2.1	82
50	A spectroscopic study of southern (candidate) β Doradus stars. <i>Astronomy and Astrophysics</i> , 2008, 478, 487-496.	2.1	81
51	Asteroseismic modelling of the two F-type hybrid pulsators KIC 10080943A and KIC 10080943B. <i>Astronomy and Astrophysics</i> , 2016, 592, A116.	2.1	81
52	Variability in the CoRoT photometry of three hot O-type stars. <i>Astronomy and Astrophysics</i> , 2011, 533, A4.	2.1	79
53	Discovery of solar-like oscillations in the red giant μ Ophiuchi. <i>Astronomy and Astrophysics</i> , 2006, 448, 689-695.	2.1	78
54	Automated supervised classification of variable stars in the CoRoT programme. <i>Astronomy and Astrophysics</i> , 2009, 506, 519-534.	2.1	77

#	ARTICLE	IF	CITATIONS
55	Asteroseismology of the γ Cephei star γ Eridani: massive exploration of standard and non-standard stellar models to fit the oscillation data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 355, 352-358.	1.6	76
56	OBSERVATIONAL EVIDENCE FOR A CORRELATION BETWEEN MACROTURBULENT BROADENING AND LINE-PROFILE VARIATIONS IN OB SUPERGIANTS. <i>Astrophysical Journal Letters</i> , 2010, 720, L174-L178.	3.0	73
57	The shape of convective core overshooting from gravity-mode period spacings. <i>Astronomy and Astrophysics</i> , 2018, 614, A128.	2.1	72
58	A photometric mode identification method, including an improved non-adiabatic treatment of the atmosphere. <i>Astronomy and Astrophysics</i> , 2003, 398, 677-685.	2.1	70
59	Kepler photometry of KIC 10661783: a binary star with total eclipses and γ Scuti pulsations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2413-2423.	1.6	69
60	Forward Asteroseismic Modeling of Stars with a Convective Core from Gravity-mode Oscillations: Parameter Estimation and Stellar Model Selection. <i>Astrophysical Journal, Supplement Series</i> , 2018, 237, 15.	3.0	69
61	Mass ratio from Doppler beaming and R_{mer} delay versus ellipsoidal modulation in the Kepler data of KOI-74.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2600-2608.	1.6	67
62	OBSERVATIONAL SIGNATURES OF CONVECTIVELY DRIVEN WAVES IN MASSIVE STARS. <i>Astrophysical Journal Letters</i> , 2015, 806, L33.	3.0	67
63	Spectroscopic determination of the fundamental parameters of 66 B-type stars in the field-of-view of the CoRoT satellite. <i>Astronomy and Astrophysics</i> , 2010, 515, A74.	2.1	66
64	Detecting non-uniform period spacings in the Kepler photometry of γ Doradus stars: methodology and case studies. <i>Astronomy and Astrophysics</i> , 2015, 574, A17.	2.1	66
65	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. <i>Astronomy and Astrophysics</i> , 2018, 616, A148.	2.1	66
66	The binary properties of the pulsating subdwarf B eclipsing binary PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2007, 471, 605-615.	2.1	66
67	CoRoT's view of newly discovered B-star pulsators: results for 358 candidate B pulsators from the initial run's exoplanet field data. <i>Astronomy and Astrophysics</i> , 2009, 506, 471-489.	2.1	65
68	Variability of OB stars from TESS southern Sectors 1-13 and high-resolution IACOB and OWN spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 639, A81.	2.1	65
69	Photometric detection of internal gravity waves in upper main-sequence stars. <i>Astronomy and Astrophysics</i> , 2020, 640, A36.	2.1	65
70	DISCOVERY OF A RED GIANT WITH SOLAR-LIKE OSCILLATIONS IN AN ECLIPSING BINARY SYSTEM FROM KEPLER SPACE-BASED PHOTOMETRY. <i>Astrophysical Journal Letters</i> , 2010, 713, L187-L191.	3.0	64
71	An asteroseismic study of the O9V star HD 46202 from CoRoT space-based photometry. <i>Astronomy and Astrophysics</i> , 2011, 527, A112.	2.1	64
72	Multisite spectroscopic seismic study of the γ Cep star V2052 Ophiuchi: inhibition of mixing by its magnetic field. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 483-493.	1.6	64

#	ARTICLE	IF	CITATIONS
73	First Kepler results on compact pulsators - VI. Targets in the final half of the survey phase. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2860-2870.	1.6	63
74	KICâ€‰10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes. Astronomy and Astrophysics, 2014, 570, A8.	2.1	63
75	Photometric detection of internal gravity waves in upper main-sequence stars. Astronomy and Astrophysics, 2019, 621, A135.	2.1	63
76	Detection of a large sample of γ -Doradus stars from Kepler space photometry and high-resolution ground-based spectroscopy. Astronomy and Astrophysics, 2013, 556, A52.	2.1	62
77	Tidally induced radial-velocity variations in close binaries. Astronomy and Astrophysics, 2002, 384, 441-451.	2.1	62
78	Line-profile variations due to adiabatic non-radial pulsations in rotating stars. Astronomy and Astrophysics, 1997, 121, 343-368.	2.1	62
79	Multi-site, multi-technique survey of γ -Doradus candidates. Astronomy and Astrophysics, 2004, 417, 189-199.	2.1	61
80	Diverse Variability of O and B Stars Revealed from 2-minute Cadence Light Curves in Sectors 1 and 2 of the TESS Mission: Selection of an Asteroseismic Sample. Astrophysical Journal Letters, 2019, 872, L9.	3.0	61
81	The Interior Angular Momentum of Core Hydrogen Burning Stars from Gravity-mode Oscillations. Astrophysical Journal Letters, 2017, 847, L7.	3.0	60
82	Three ways to solve the orbit of KICâ€‰11â€‰558â€‰725: a 10-day beaming sdB+WD binary with a pulsating subdwarf. Astronomy and Astrophysics, 2012, 544, A1.	2.1	59
83	THE SURFACE NITROGEN ABUNDANCE OF A MASSIVE STAR IN RELATION TO ITS OSCILLATIONS, ROTATION, AND MAGNETIC FIELD. Astrophysical Journal, 2014, 781, 88.	1.6	59
84	Asteroseismic masses, ages, and core properties of γ -Doradus stars using gravito-inertial dipole modes and spectroscopy. Monthly Notices of the Royal Astronomical Society, 2019, 485, 3248-3263.	1.6	59
85	The mass discrepancy in intermediate- and high-mass eclipsing binaries: The need for higher convective core masses. Astronomy and Astrophysics, 2020, 637, A60.	2.1	59
86	A new version of the moment method, optimized for mode identification in multiperiodic stars. Astronomy and Astrophysics, 2003, 398, 687-696.	2.1	59
87	Beyond the Kepler/K2 bright limit: variability in the seven brightest members of the Pleiades. Monthly Notices of the Royal Astronomical Society, 2017, 471, 2882-2901.	1.6	58
88	Long term photometric monitoring with the Mercator telescope. Astronomy and Astrophysics, 2007, 463, 243-249.	2.1	57
89	The eccentric massive binary V380ÂCyg: revised orbital elements and interpretation of the intrinsic variability of the primary component*. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3093-3110.	1.6	57
90	Asteroseismology of the δ Cephei star δ Eridani - II. Spectroscopic observations and pulsational frequency analysis. Monthly Notices of the Royal Astronomical Society, 2004, 347, 463-470.	1.6	56

#	ARTICLE	IF	CITATIONS
91	The age and interior rotation of stars from asteroseismology. <i>Astronomische Nachrichten</i> , 2015, 336, 477-486.	0.6	56
92	HD 174884: a strongly eccentric, short-period early-type binary system discovered by CoRoT. <i>Astronomy and Astrophysics</i> , 2009, 508, 1375-1389.	2.1	55
93	ASTEROSEISMIC FINGERPRINTS OF ROTATION AND MIXING IN THE SLOWLY PULSATING B8 V STAR KIC 7760680. <i>Astrophysical Journal Letters</i> , 2015, 803, L25.	3.0	55
94	He and Si surface inhomogeneities of four Bp variable stars. <i>Astronomy and Astrophysics</i> , 2004, 413, 273-283.	2.1	54
95	Influence of non-adiabatic temperature variations on line profile variations of slowly rotating $\hat{1}^2$ Cep stars and SPBs. <i>Astronomy and Astrophysics</i> , 2002, 385, 563-571.	2.1	52
96	Asteroseismology of the $\hat{1}^2$ Cephei star $\hat{1}^{1/2}$ Eridani - III. Extended frequency analysis and mode identification. <i>Monthly Notices of the Royal Astronomical Society</i> , 2004, 351, 324-332.	1.6	51
97	$\hat{1}$ Ceti Is Not Monoperiodic: Seismic Modeling of a $\hat{1}^2$ Cephei Star from MOST Space-based Photometry. <i>Astrophysical Journal</i> , 2006, 642, 470-477.	1.6	50
98	Kepler observations of the beaming binary KPD 1946+4340. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, , no-no.	1.6	50
99	CoRoT's view on variable B8/9 stars: spots versus pulsations. <i>Astronomy and Astrophysics</i> , 2011, 536, A82.	2.1	50
100	KIC 10080943: An eccentric binary system containing two pressure- and gravity-mode hybrid pulsators. <i>Astronomy and Astrophysics</i> , 2015, 584, A35.	2.1	49
101	Spectroscopic monitoring of 10 new northern slowly pulsating B star candidates discovered from the HIPPARCOS mission. <i>Astronomy and Astrophysics</i> , 2001, 379, 905-916.	2.1	48
102	Echography of young stars reveals their evolution. <i>Science</i> , 2014, 345, 550-553.	6.0	48
103	$\hat{1}^2$ Cep stars from a spectroscopic point of view. <i>Space Science Reviews</i> , 2003, 105, 453-492.	3.7	47
104	Spectrum analysis of bright Kepler Doradus candidate stars.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2960-2968.	1.6	47
105	An asteroseismic study of the $\hat{1}^2$ Cephei star $\hat{1}^2$ Canis Majoris. <i>Astronomy and Astrophysics</i> , 2006, 459, 589-596.	2.1	46
106	KIC 11285625: A double-lined spectroscopic binary with a $\hat{1}^3$ Doradus pulsator discovered from Kepler space photometry. <i>Astronomy and Astrophysics</i> , 2013, 556, A56.	2.1	46
107	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. <i>Astronomical Journal</i> , 2021, 162, 303.	1.9	46
108	KIC 10080943: a binary star with two $\hat{1}^3$ Doradus/ $\hat{1}^1$ Scuti hybrid pulsators. Analysis of the g modes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1792-1797.	1.6	45

#	ARTICLE	IF	CITATIONS
109	Binary asteroseismic modelling: isochrone-cloud methodology and application to <i>Kepler</i> gravity mode pulsators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1231-1246.	1.6	45
110	A spectroscopic study of southern (candidate) $\hat{1}^3$ Doradus stars. <i>Astronomy and Astrophysics</i> , 2006, 449, 281-292.	2.1	45
111	An asteroseismic study of the $\hat{1}^2$ Cephei star 12 Lacertae: multisite spectroscopic observations, mode identification and seismic modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2009, 396, 1460-1472.	1.6	44
112	Fully compressible simulations of waves and core convection in main-sequence stars. <i>Astronomy and Astrophysics</i> , 2020, 641, A18.	2.1	44
113	Final Targeting Strategy for the Sloan Digital Sky Survey IV Apache Point Observatory Galactic Evolution Experiment 2 North Survey. <i>Astronomical Journal</i> , 2021, 162, 302.	1.9	44
114	Detection of frequency spacings in the young O-type binary HD 46149 from CoRoT photometry. <i>Astronomy and Astrophysics</i> , 2010, 519, A38.	2.1	43
115	On the use of the Fourier transform to determine the projected rotational velocity of line-profile variable B stars. <i>Astronomy and Astrophysics</i> , 2014, 569, A118.	2.1	43
116	Discovery of Tidally Perturbed Pulsations in the Eclipsing Binary U Gru: A Crucial System for Tidal Asteroseismology. <i>Astrophysical Journal Letters</i> , 2019, 883, L26.	3.0	43
117	Influence of non-adiabatic temperature variations on line profile variations of slowly rotating $\hat{1}^2$ Cephei stars and SPBs. <i>Astronomy and Astrophysics</i> , 2002, 385, 572-584.	2.1	42
118	AT LAST A V777 HER PULSATOR IN THE <i>KEPLER</i> FIELD. <i>Astrophysical Journal Letters</i> , 2011, 736, L39.	3.0	41
119	Properties of extrasolar planets and their host stars: A case study of HAT-P-7. <i>Astronomische Nachrichten</i> , 2012, 333, 1088-1091.	0.6	41
120	Probing the shape of the mixing profile and of the thermal structure at the convective core boundary through asteroseismology. <i>Astronomy and Astrophysics</i> , 2019, 628, A76.	2.1	41
121	Denoising spectroscopic data by means of the improved least-squares deconvolution method. <i>Astronomy and Astrophysics</i> , 2013, 560, A37.	2.1	41
122	A high-resolution spectroscopy survey of $\hat{1}^2$ Cephei pulsations in bright stars. <i>Astronomy and Astrophysics</i> , 2006, 452, 945-953.	2.1	40
123	Spacecraft Attitude Estimation and Sensor Calibration Using Moving Horizon Estimation. <i>Journal of Guidance, Control, and Dynamics</i> , 2013, 36, 734-742.	1.6	39
124	A study of bright southern slowly pulsating B stars. <i>Astronomy and Astrophysics</i> , 2005, 432, 1013-1024.	2.1	39
125	Automated supervised classification of variable stars. <i>Astronomy and Astrophysics</i> , 2009, 494, 739-768.	2.1	39
126	A seismic approach to testing different formation channels of subdwarf B stars. <i>Astronomy and Astrophysics</i> , 2008, 490, 243-252.	2.1	38

#	ARTICLE	IF	CITATIONS
127	Weighing stars from birth to death: mass determination methods across the HRD. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	9.1	38
128	Asteroseismology and Oblique Pulsator Model of $\hat{\nu}^2$ Cephei. <i>Astrophysical Journal</i> , 2000, 531, L143-L146.	1.6	37
129	Asteroseismology of the $\hat{\nu}^2$ Cep star HD 129929. <i>Astronomy and Astrophysics</i> , 2004, 415, 241-249.	2.1	37
130	Discovery of the New Slowly Pulsating B Star HD 163830 (B5 II/III) from MOST Space-based Photometry. <i>Astrophysical Journal</i> , 2006, 642, L165-L168.	1.6	37
131	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A64.	2.1	37
132	Pulsations detected in the line profile variations of red giants. <i>Astronomy and Astrophysics</i> , 2006, 458, 931-940.	2.1	37
133	Simulating stochastically excited oscillations – The mode lifetime of $\hat{\nu}^3/4$ Hya. <i>Solar Physics</i> , 2004, 220, 207-228.	1.0	36
134	DISCOVERY OF A NEW AM CVn SYSTEM WITH THE KEPLER SATELLITE. <i>Astrophysical Journal</i> , 2011, 726, 92.	1.6	36
135	The CoRoT B-type binary HD 50230: a prototypical hybrid pulsator with g-mode period and p-mode frequency spacings. <i>Astronomy and Astrophysics</i> , 2012, 542, A88.	2.1	36
136	KIC 7668647: a 14 day beaming sdB+WD binary with a pulsating subdwarf. <i>Astronomy and Astrophysics</i> , 2014, 570, A129.	2.1	36
137	Kepler's first view of O-star variability: K2 data of five O stars in Campaign 0 as a proof of concept for O-star asteroseismology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 89-100.	1.6	36
138	AUTOMATED CLASSIFICATION OF VARIABLE STARS IN THE ASTEROSEISMOLOGY PROGRAM OF THE KEPLER SPACE MISSION. <i>Astrophysical Journal Letters</i> , 2010, 713, L204-L207.	3.0	35
139	An evolutionary study of the pulsating subdwarf B eclipsing binary PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2007, 473, 569-577.	2.1	34
140	Long-term photometric monitoring with the Mercator telescope. <i>Astronomy and Astrophysics</i> , 2009, 499, 967-982.	2.1	34
141	Photometric multi-site campaign on the open cluster NGC 884. <i>Astronomy and Astrophysics</i> , 2010, 515, A16.	2.1	34
142	Kepler sheds new and unprecedented light on the variability of a blue supergiant: Gravity waves in the O9.5Iab star HD 188209. <i>Astronomy and Astrophysics</i> , 2017, 602, A32.	2.1	34
143	K2 photometry and HERMES spectroscopy of the blue supergiant $\hat{\nu}^6$ Leo: rotational wind modulation and low-frequency waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1234-1241.	1.6	34
144	Simultaneous photometry and spectroscopy of the Be star 28 (A) CMa – II. Line profile modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 305, 519-526.	1.6	33

#	ARTICLE	IF	CITATIONS
145	Long-term multicolour photometry and high-resolution spectroscopy of the two γ Doradus stars HD 12901 and HD 48501. <i>Astronomy and Astrophysics</i> , 2004, 415, 1079-1088.	2.1	33
146	K2 space photometry reveals rotational modulation and stellar pulsations in chemically peculiar A and B stars. <i>Astronomy and Astrophysics</i> , 2018, 616, A77.	2.1	33
147	An asteroseismic study of the $\hat{\nu}^2$ Cephei star $\hat{\nu}^2$ Ophiuchi: spectroscopic results. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 619-625.	1.6	32
148	First Kepler results on compact pulsators - V. Slowly pulsating subdwarf B stars in short-period binaries. <i>Monthly Notices of the Royal Astronomical Society</i> , 2010, 409, 1509-1517.	1.6	32
149	HD 121190: A cool multiperiodic slowly pulsating B star with moderate rotation. <i>Astronomy and Astrophysics</i> , 2005, 431, 615-622.	2.1	32
150	Periodic mass-loss episodes due to an oscillation mode with variable amplitude in the hot supergiant HD 50064. <i>Astronomy and Astrophysics</i> , 2010, 513, L11.	2.1	31
151	Improved methodology for the automated classification of periodic variable stars. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 418, 96-106.	1.6	31
152	KIC 1718290: A HELIUM-RICH V1093-Her-LIKE PULSATOR ON THE BLUE HORIZONTAL BRANCH. <i>Astrophysical Journal Letters</i> , 2012, 753, L17.	3.0	31
153	Probing the temperature gradient in the core boundary layer of stars with gravito-inertial modes. <i>Astronomy and Astrophysics</i> , 2021, 650, A175.	2.1	31
154	Orbital parameters, masses and distance to $\hat{\nu}^2$ Centauri determined with the Sydney University Stellar Interferometer and high-resolution spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 356, 1362-1370.	1.6	30
155	Detecting axisymmetric magnetic fields using gravity modes in intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2020, 638, A149.	2.1	30
156	GAUDI: A Preparatory Archive for the COROT Mission. <i>Astronomical Journal</i> , 2005, 129, 547-553.	1.9	29
157	Low-frequency photospheric and wind variability in the early-B supergiant HD 2905. <i>Astronomy and Astrophysics</i> , 2018, 612, A40.	2.1	29
158	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2020, 636, A100.	2.1	29
159	Abundance analysis of prime B-type targets for asteroseismology. <i>Astronomy and Astrophysics</i> , 2009, 506, 213-233.	2.1	29
160	Maximum mass-loss rates of line-driven winds of massive stars: The effect of rotation and an application to $\hat{\nu}^2$ Carinae. <i>Astronomy and Astrophysics</i> , 2004, 418, 639-648.	2.1	29
161	Asteroseismic versus <i>Gaia</i> distances: A first comparison. <i>Astronomy and Astrophysics</i> , 2016, 595, L3.	2.1	28
162	Asteroseismic Modeling of Gravity Modes in Slowly Rotating A/F Stars with Radiative Levitation. <i>Astrophysical Journal</i> , 2020, 895, 51.	1.6	28

#	ARTICLE	IF	CITATIONS
163	Constraining stellar evolution theory with asteroseismology of γ Doradus stars using deep learning. <i>Astronomy and Astrophysics</i> , 2021, 650, A58.	2.1	28
164	Spectroscopic and photometric variability of the O9.5 Vp star HD 93521. <i>Astronomy and Astrophysics</i> , 2008, 487, 659-670.	2.1	28
165	Multicolour high-speed photometry of the subdwarf B star PG 0014+067 with ULTRACAM.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 362, 66-78.	1.6	27
166	The Current Status of Asteroseismology. <i>Solar Physics</i> , 2008, 251, 3-20.	1.0	27
167	Plaskett's star: analysis of the CoRoT photometric data. <i>Astronomy and Astrophysics</i> , 2011, 525, A101.	2.1	27
168	The γ Scuti star XX Pyx is an ellipsoidal variable. <i>Monthly Notices of the Royal Astronomical Society</i> , 2002, 333, L35-L39.	1.6	26
169	Asteroseismology of OB stars with CoRoT. <i>Astronomische Nachrichten</i> , 2010, 331, 1065-1068.	0.6	26
170	Seismic modelling of the γ Cephei star HD 180642 (V1449 Aquilae). <i>Astronomy and Astrophysics</i> , 2011, 534, A98.	2.1	26
171	Disentangling component spectra of γ , a spectroscopic binary with a pulsating primary. <i>Astronomy and Astrophysics</i> , 2004, 422, 1013-1021.	2.1	26
172	Preparing the COROT Space Mission: New Variable Stars in the Galactic Anticenter Direction. <i>Astronomical Journal</i> , 2005, 129, 2461-2468.	1.9	25
173	Disentangling component spectra of γ , a spectroscopic binary with a pulsating primary. <i>Astronomy and Astrophysics</i> , 2005, 432, 955-967.	2.1	25
174	Ground-based observations of the γ Cephei CoRoT main target HD 180642: abundance analysis and mode identification. <i>Astronomy and Astrophysics</i> , 2009, 506, 269-280.	2.1	25
175	Two new SB2 binaries with main sequence B-type pulsators in the Kepler field. <i>Astronomy and Astrophysics</i> , 2013, 553, A127.	2.1	25
176	γ Centauri: An eccentric binary with two γ Cep-type components. <i>Astronomy and Astrophysics</i> , 2002, 384, 209-214.	2.1	24
177	The CoRoT ground-based asteroseismological programme. <i>Astronomische Nachrichten</i> , 2012, 333, 1061-1064.	0.6	24
178	PULSATING B-TYPE STARS IN THE OPEN CLUSTER NGC 884: FREQUENCIES, MODE IDENTIFICATION, AND ASTEROSEISMOLOGY. <i>Astronomical Journal</i> , 2013, 146, 102.	1.9	24
179	Multiperiodicity in the light variations of the γ Cephei star γ Crucis. <i>Astronomy and Astrophysics</i> , 2002, 392, 599-603.	2.1	23
180	High-precision elements of double-lined spectroscopic binaries from combined interferometry and spectroscopy. <i>Astronomy and Astrophysics</i> , 2006, 455, 259-269.	2.1	23

#	ARTICLE	IF	CITATIONS
181	A multisite photometric study of two unusual $\hat{\iota}^2$ Cep stars: the magnetic V2052 Oph and the massive rapid rotator V986 Oph. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 2380-2391.	1.6	23
182	Testing the asymptotic relation for period spacings from mixed modes of red giants observed with the <i>Kepler</i> mission. <i>Astronomy and Astrophysics</i> , 2016, 588, A82.	2.1	23
183	Recipes for bolometric corrections and <i>Gaia</i> luminosities of B-type stars: application to an asteroseismic sample. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 2738-2753.	1.6	23
184	Interpretation of the variability of the $\hat{\iota}^2$ Cephei star $\hat{\iota}^2$ Scorpii. <i>Astronomy and Astrophysics</i> , 2004, 427, 593-605.	2.1	22
185	The orbit of the close spectroscopic binary $\hat{\mu}$ Lup and the intrinsic variability of its early B-type components. <i>Astronomy and Astrophysics</i> , 2005, 440, 249-260.	2.1	22
186	20 CVn: A monop periodic radially pulsating $\hat{\iota}$ Scuti star. <i>Astronomy and Astrophysics</i> , 2001, 375, 113-121.	2.1	21
187	Orbital elements, masses and distance of $\hat{\iota}$ Scorpii A and B determined with the Sydney University Stellar Interferometer and high-resolution spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 370, 884-890.	1.6	21
188	Deep Learning Applied to the Asteroseismic Modeling of Stars with Coherent Oscillation Modes. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 108001.	1.0	21
189	Improved variability classification of CoRoT targets with Giraffe spectra. <i>Astronomy and Astrophysics</i> , 2013, 550, A120.	2.1	20
190	The blue-edge problem of the V1093 Herculis instability strip revisited using evolutionary models with atomic diffusion. <i>Astronomy and Astrophysics</i> , 2014, 569, A123.	2.1	20
191	An all-sky sample of intermediate- to high-mass OBA-type eclipsing binaries observed by TESS. <i>Astronomy and Astrophysics</i> , 2021, 652, A120.	2.1	20
192	CoRoT high-precision photometry of the B0.5 $\hat{\iota}$ star HD 51756. <i>Astronomy and Astrophysics</i> , 2011, 528, A123.	2.1	19
193	New $\hat{\iota}^2$ Cep pulsators discovered with K2 space photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1304-1320.	1.6	19
194	Detection of solar-like oscillations in the bright red giant stars $\hat{\iota}^3$ Piscium and $\hat{\iota}^1$ Tauri from a 190-day high-precision spectroscopic multi-site campaign. <i>Astronomy and Astrophysics</i> , 2015, 573, A138.	2.1	19
195	Simultaneous photometry and spectroscopy of the Be star 28 $\hat{\iota}$ CMa – I. Observational evidence of the periodic components of rapid variability. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 305, 505-518.	1.6	18
196	Binaries discovered by the MUCHFUSS project. <i>Astronomy and Astrophysics</i> , 2013, 559, A35.	2.1	18
197	HD 41641: A classical $\hat{\iota}$ Sct-type pulsator with chemical signatures of an Ap star. <i>Astronomy and Astrophysics</i> , 2016, 588, A71.	2.1	18
198	The effects of near-core convective shells on the gravity modes of the subdwarf B pulsator KIC 10553698A. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 1518-1531.	1.6	18

#	ARTICLE	IF	CITATIONS
199	Magnetic characterization of the SPB/̂ Cep hybrid pulsator HD 43317. <i>Astronomy and Astrophysics</i> , 2017, 605, A104.	2.1	18
200	Isochrone-cloud fitting of the extended main-sequence turn-off of young clusters. <i>Astronomy and Astrophysics</i> , 2019, 632, A74.	2.1	18
201	A comparison of the dynamical and model-derived parameters of the pulsating eclipsing binary KIC 9850387. <i>Astronomy and Astrophysics</i> , 2021, 648, A91.	2.1	18
202	Studying the photometric and spectroscopic variability of the magnetic hot supergiant ̂ Orionis Aa. <i>Astronomy and Astrophysics</i> , 2017, 602, A91.	2.1	18
203	The B-type variable HD 131120 modelled by rotational modulation. <i>Astronomy and Astrophysics</i> , 2001, 380, 177-185.	2.1	18
204	Comparative clustering analysis of variable stars in the Hipparcos, OGLE Large Magellanic Cloud, and CoRoT exoplanet databases. <i>Astronomy and Astrophysics</i> , 2009, 506, 535-568.	2.1	17
205	Detection of magnetic fields in chemically peculiar stars observed with the K2 space mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 2777-2793.	1.6	17
206	Preparing the COROT space mission: Incidence and characterisation of pulsation in the lower instability strip. <i>Astronomy and Astrophysics</i> , 2003, 406, 203-211.	2.1	17
207	A Spectroscopic Analysis of the ̂ Doradus Star HD 207223 = HR 8330. <i>Astrophysical Journal</i> , 2001, 553, 814-822.	1.6	17
208	Spectroscopic mode identification for the η , Cephei star EN (16) Lacertae. <i>Astronomy and Astrophysics</i> , 2003, 399, 639-645.	2.1	16
209	Detection of gravity modes in the massive binary V380 Cyg from Kepler space-based photometry and high-resolution spectroscopy. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2012, 424, L21-L25.	1.2	16
210	Stellar modelling of Spica, a high-mass spectroscopic binary with a ̂ Cep variable primary component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1964-1976.	1.6	16
211	The effect of the centrifugal acceleration on period spacings of gravito-inertial modes in intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2021, 648, A97.	2.1	16
212	Detection of non-linear resonances among gravity modes of slowly pulsating B stars: Results from five iterative pre-whitening strategies. <i>Astronomy and Astrophysics</i> , 2021, 655, A59.	2.1	16
213	Interpreting the line-profile variations of subdwarf B pulsators: the case of PG 1336-018 (NY Virginis). <i>Astronomy and Astrophysics</i> , 2009, 505, 239-248.	2.1	16
214	The PLATO Simulator: modelling of high-precision high-cadence space-based imaging. <i>Astronomy and Astrophysics</i> , 2014, 566, A92.	2.1	16
215	Interpretation of the variability of the η Cephei star λ Scorpii. <i>Astronomy and Astrophysics</i> , 2004, 427, 581-592.	2.1	16
216	The early-type close binary CV Velorum revisited. <i>Astronomy and Astrophysics</i> , 2007, 467, 647-655.	2.1	15

#	ARTICLE	IF	CITATIONS
217	Estimating stellar parameters from spectra using a hierarchical Bayesian approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2007, 377, 120-132.	1.6	15
218	Combined asteroseismology, spectroscopy, and astrometry of the CoRoT B2V target HD 170580. <i>Astronomy and Astrophysics</i> , 2019, 624, A75.	2.1	15
219	A homogeneous spectroscopic analysis of a <i>Kepler</i> legacy sample of dwarfs for gravity-mode asteroseismology. <i>Astronomy and Astrophysics</i> , 2021, 650, A151.	2.1	15
220	Tango of celestial dancers: A sample of detached eclipsing binary systems containing <i>g</i>-mode pulsating components. <i>Astronomy and Astrophysics</i> , 2020, 643, A162.	2.1	15
221	Seismic modelling of the η , ζ Cep star ENâ€™(16)â€™Lacertae. <i>Astronomy and Astrophysics</i> , 2003, 406, 287-292.	2.1	15
222	Interferometry and spectroscopy of \hat{A} Cen: a \hat{A} Cephei star in a binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 1999, 302, 245-252.	1.6	14
223	Asteroseismology of binary stars and a compilation of core overshoot and rotational frequency values of OB stars. <i>EAS Publications Series</i> , 2013, 64, 323-330.	0.3	14
224	Discovery of binarity, spectroscopic frequency analysis, and mode identification of the <i> \hat{I} </i>â€™Scuti star 4â€™CVn. <i>Astronomy and Astrophysics</i> , 2014, 570, A33.	2.1	14
225	DETECTION OF SOLAR-LIKE OSCILLATIONS, OBSERVATIONAL CONSTRAINTS, AND STELLAR MODELS FOR \hat{I} , CYG, THE BRIGHTEST STAR OBSERVED BY THE KEPLER MISSION. <i>Astrophysical Journal</i> , 2016, 831, 17.	1.6	14
226	The K2 Bright Star Survey. I. Methodology and Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 8.	3.0	14
227	High-precision CoRoT space photometry and fundamental parameter determination of the B2.5V star HDâ€™48977. <i>Astronomy and Astrophysics</i> , 2013, 551, A12.	2.1	14
228	Optical variability of the B-type star HD 105382: Pulsation or rotation?. <i>Astronomy and Astrophysics</i> , 2001, 366, 121-128.	2.1	14
229	A new analysis of the radial velocity variations of the eclipsing and spectroscopic binary EN Lacertae. <i>Astronomy and Astrophysics</i> , 2001, 367, 236-249.	2.1	14
230	Low-amplitude rotational modulation rather than pulsations in the CoRoT B-type supergiant HDâ€™46769. <i>Astronomy and Astrophysics</i> , 2013, 557, A114.	2.1	13
231	Modelling of \hat{I} â€™Scorpii, a high-mass binary with a \hat{I} â€™Cep variable primary component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 616-628.	1.6	13
232	Ensemble asteroseismology of pulsating B-type stars in NGC 6910. <i>Astronomy and Astrophysics</i> , 2019, 632, A95.	2.1	13
233	Line-profile variability in the \hat{I} â€™Cephei star \hat{I} â€™Centauri. <i>Astronomy and Astrophysics</i> , 2004, 416, 1069-1079.	2.1	12
234	Low-frequency variations of unknown origin in the <i>Kepler</i> <i> \hat{I} </i>â€™Scuti star KICâ€™5988140â€™= HDâ€™188774. <i>Astronomy and Astrophysics</i> , 2013, 549, A104.	2.1	12

#	ARTICLE	IF	CITATIONS
235	Asteroseismology. <i>Physics Today</i> , 2015, 68, 36-42.	0.3	12
236	TOI-150: A Transiting Hot Jupiter in the TESS Southern CVZ*. <i>Astrophysical Journal Letters</i> , 2019, 877, L29.	3.0	12
237	Multiperiodicity in the large-amplitude rapidly-rotating ζ Cephei star HD 203664. <i>Astronomy and Astrophysics</i> , 2006, 449, 305-311.	2.1	12
238	Rossby numbers and stiffness values inferred from gravity-mode asteroseismology of rotating F- and B-type dwarfs. <i>Astronomy and Astrophysics</i> , 2021, 656, A121.	2.1	12
239	Predictions for Gravity-mode Periods and Surface Abundances in Intermediate-mass Dwarfs from Shear Mixing and Radiative Levitation. <i>Astrophysical Journal</i> , 2022, 925, 154.	1.6	11
240	Detection of period-spacing patterns due to the gravity modes of rotating dwarfs in the TESS southern continuous viewing zone. <i>Astronomy and Astrophysics</i> , 2022, 662, A82.	2.1	11
241	Correcting for background changes in CoRoT exoplanet data. <i>Astronomy and Astrophysics</i> , 2008, 487, 1209-1220.	2.1	10
242	TESS Data for Asteroseismology (TASDA) Stellar Variability Classification Pipeline: Setup and Application to the Kepler Q9 Data. <i>Astronomical Journal</i> , 2021, 162, 209.	1.9	10
243	Detecting deep axisymmetric toroidal magnetic fields in stars. <i>Astronomy and Astrophysics</i> , 2022, 661, A133.	2.1	10
244	Latitude distribution of nonradial pulsations in rapidly rotating B stars. <i>International Astronomical Union Colloquium</i> , 2004, 193, 204-207.	0.1	9
245	Asteroseismology of the $\hat{\iota}^2$ Cep star $\hat{\iota}^{1/2}$ Eri: initial results. <i>International Astronomical Union Colloquium</i> , 2004, 193, 221-224.	0.1	9
246	Jitter Correction Algorithms for the COROT Satellite Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2006, 118, 874-884.	1.0	9
247	Asteroseismology of Close Binary Stars. <i>Proceedings of the International Astronomical Union</i> , 2006, 2, 432-441.	0.0	9
248	High-speed colourimetry of the subdwarf B star SDSS J171722.08+58055.8 with ULTRACAM. <i>Monthly Notices of the Royal Astronomical Society</i> , 2006, 367, 1317-1322.	1.6	9
249	Line-profile variations of stochastically excited oscillations in four evolved stars. <i>Astronomy and Astrophysics</i> , 2010, 515, A43.	2.1	9
250	Detection of intrinsic variability in the eclipsing massive main-sequence O+B binary HD 165246. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2017, 469, L118-L122.	1.2	9
251	Characterization of the variability in the O+B eclipsing binary HD 165246. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1124-1137.	1.6	9
252	Estimating stellar parameters from spectra. <i>Astronomy and Astrophysics</i> , 2004, 421, 281-294.	2.1	9

#	ARTICLE	IF	CITATIONS
253	Mode Identification of the $\hat{\iota}^2$ Cephei star BW Vulpeculae. International Astronomical Union Colloquium, 1995, 155, 56-57.	0.1	8
254	Short period line profile and light variations in the Be star \hat{A} Orionis. Monthly Notices of the Royal Astronomical Society, 2001, 327, 1288-1296.	1.6	8
255	Jitter Correction Algorithms for the COROT Satellite Mission: Validation with Test Bench Data and MOST On-Orbit Photometry. Publications of the Astronomical Society of the Pacific, 2007, 119, 337-346.	1.0	8
256	MAIA, a three-channel imager for asteroseismology: instrument design. Astronomy and Astrophysics, 2013, 559, A26.	2.1	8
257	Massive Star Asteroseismology in Action. Proceedings of the International Astronomical Union, 2014, 9, 154-164.	0.0	8
258	Polarimetric detection of non-radial oscillation modes in the $\hat{\iota}^2$ Cephei star $\hat{\iota}^2$ Crucis. Nature Astronomy, 2022, 6, 154-164.	4.2	8
259	The 2003-2004 multisite photometric campaign for the $\hat{\iota}^2$ Cephei and eclipsing star 16 (EN) Lacertae with an appendix on 2 Andromedae, the variable comparison star. Monthly Notices of the Royal Astronomical Society, 2015, 454, 724-740.	1.6	7
260	The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars. Astrophysical Journal, Supplement Series, 2019, 244, 18.	3.0	7
261	Close-up of primary and secondary asteroseismic CoRoT targets and the ground-based follow-up observations. Journal of Physics: Conference Series, 2008, 118, 012077.	0.3	6
262	Is macroturbulent broadening in OB Supergiants related to pulsations?. Astronomische Nachrichten, 2010, 331, 1069-1072.	0.6	6
263	Constraining the core-rotation rate in red-giant stars from Kepler space photometry. Astronomische Nachrichten, 2012, 333, 967-970.	0.6	6
264	Zeta-Payne: A Fully Automated Spectrum Analysis Algorithm for the Milky Way Mapper Program of the SDSS-V Survey. Astronomical Journal, 2022, 163, 236.	1.9	6
265	Core Overshoot and Nonrigid Internal Rotation of Massive Stars: Current Status from Asteroseismology. Proceedings of the International Astronomical Union, 2007, 3, 237-244.	0.0	5
266	Magnetic characterization and variability study of the magnetic SPB star $\hat{\iota}^2$ Lupi. Astronomy and Astrophysics, 2019, 622, A67.	2.1	5
267	First results of Mercator observations of variable A and F stars. International Astronomical Union Colloquium, 2004, 193, 263-266.	0.1	3
268	Estimating stellar-oscillation-related parameters and their uncertainties with the moment method. Journal of the Royal Statistical Society Series C: Applied Statistics, 2005, 54, 333-348.	0.5	3
269	KIC 10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes (Corrigendum). Astronomy and Astrophysics, 2014, 570, C4.	2.1	3
270	Introducing Asteroseismology. Astronomy and Astrophysics Library, 2010, , 1-30.	0.2	3

#	ARTICLE	IF	CITATIONS
271	First Detection of a Frequency Multiplet in the Line Profile Variations of RR Lyrae: Towards an Understanding of the Blazhko Effect. International Astronomical Union Colloquium, 2000, 176, 286-290.	0.1	2
272	Photometric multi-site campaign on massive B stars in the open cluster κ Persei (NGC 884). Journal of Physics: Conference Series, 2008, 118, 012071.	0.3	2
273	Spectroscopic frequencies of 4 CVn in 2010 and 2011. Astronomische Nachrichten, 2012, 333, 1080-1082.	0.6	2
274	Do we see the simultaneous occurrence of stellar rotational effects and short-period pulsations in some κ type <i>Kepler</i> stars?. Astronomische Nachrichten, 2012, 333, 975-977.	0.6	2
275	Starquakes spring stellar surprises. Astronomy and Geophysics, 2016, 57, 4.37-4.42.	0.1	2
276	A recent history of science cases for optical interferometry. Experimental Astronomy, 2018, 46, 389-399.	1.6	2
277	Binary Slowly Pulsating B Stars. International Astronomical Union Colloquium, 2000, 176, 436-436.	0.1	1
278	Tidally Induced Oscillations in Close Binaries. International Astronomical Union Colloquium, 2002, 185, 75-79.	0.1	1
279	Derivation of the Rotational Frequency of Massive Stars from Seismic Studies. Symposium - International Astronomical Union, 2004, 215, 199-204.	0.1	1
280	g-mode pulsations in slowly pulsating B stars. International Astronomical Union Colloquium, 2004, 193, 195-203.	0.1	1
281	Is macroturbulence in OB Sgs related to pulsations?. Proceedings of the International Astronomical Union, 2010, 6, 549-550.	0.0	1
282	Multicolour photometry of ϵ Ceti (PB 8783). Astrophysics and Space Science, 2010, 329, 183-187.	0.5	1
283	The Impact of CoRoT and <i>Kepler</i> on Eclipsing Binary Science. Proceedings of the International Astronomical Union, 2011, 7, 41-46.	0.0	1
284	EXECUTIVE COMMITTEE WORKING GROUP: WOMEN IN ASTRONOMY. Proceedings of the International Astronomical Union, 2015, 11, 531-538.	0.0	1
285	Tracing early stellar evolution with asteroseismology: pre-main sequence stars in NGC 2264. EPJ Web of Conferences, 2015, 101, 01010.	0.1	1
286	High-Precision Spectroscopy of Pulsating Stars. Globular Clusters - Guides To Galaxies, 2008, , 161-164.	0.1	1
287	A Period Analysis of the Optical Line Variability of $\hat{\iota}^2$ Cephei. International Astronomical Union Colloquium, 1995, 155, 297-298.	0.1	0
288	Eta Orionis. International Astronomical Union Colloquium, 1995, 155, 311-312.	0.1	0

#	ARTICLE	IF	CITATIONS
289	Multimode Detections from Surveys. International Astronomical Union Colloquium, 2000, 175, 192-204.	0.1	0
290	Blazhko Effect and Magnetic Field in RR Lyrae. International Astronomical Union Colloquium, 2000, 176, 318-319.	0.1	0
291	Long-Term Photometric and Spectroscopic Monitoring of Slowly Pulsating B Stars. International Astronomical Union Colloquium, 2000, 176, 394-400.	0.1	0
292	Optical Variability of the $\hat{\nu}$ Eri Star HD 105382: Pulsation or Rotation?. International Astronomical Union Colloquium, 2000, 176, 437-437.	0.1	0
293	New $\hat{\nu}$ Doradus Stars from the Hipparcos Mission and Geneva Photometry. International Astronomical Union Colloquium, 2000, 176, 449-450.	0.1	0
294	Commission 27: Variable Stars: (Etoiles Variables). Transactions of the International Astronomical Union, 2002, 25, 271-276.	0.1	0
295	Working Group on Active B Stars: (Groupe De Travail Pour Les Etoiles B Actives). Transactions of the International Astronomical Union, 2002, 25, 268-269.	0.1	0
296	A Study of the Orbital and Intrinsic Variability of the Double-Lined Spectroscopic Binary $\hat{\nu}^2$ Centauri. International Astronomical Union Colloquium, 2002, 185, 86-87.	0.1	0
297	Do Temperature Variations at the Surface of a Hot Non-Radial Pulsator Change Significantly the Line-Profile Variations?. International Astronomical Union Colloquium, 2002, 185, 218-220.	0.1	0
298	Detailed Line-Profile Modeling of B Stars with Chemical Inhomogeneities. International Astronomical Union Colloquium, 2002, 185, 266-269.	0.1	0
299	Mode Identification in the $\hat{\nu}$ Scuti Star 20 CVn. International Astronomical Union Colloquium, 2002, 185, 334-335.	0.1	0
300	A Flower on a WIRE: Asteroseismology of a Massive Star. International Astronomical Union Colloquium, 2002, 185, 620-623.	0.1	0
301	Statistical Revision of the Moment Method. Astrophysics and Space Science, 2003, 284, 125-128.	0.5	0
302	First results of Mercator observations of variable B stars. International Astronomical Union Colloquium, 2004, 193, 238-241.	0.1	0
303	Mode Identification Using Photometry and Spectroscopy. International Astronomical Union Colloquium, 2004, 193, 466-469.	0.1	0
304	Commission C27: Variable Stars. Proceedings of the International Astronomical Union, 2005, 1, 247-258.	0.0	0
305	Correction for small satellite motion on the COROT asteroseismology channel. Acta Astronautica, 2006, 59, 358-366.	1.7	0
306	COMMISSION 27: VARIABLE STARS. Proceedings of the International Astronomical Union, 2007, 3, 168-170.	0.0	0

#	ARTICLE	IF	CITATIONS
307	DIVISION V: VARIABLE STARS. Proceedings of the International Astronomical Union, 2007, 3, 165-167.	0.0	0
308	COMMISSION 27: VARIABLE STARS. Proceedings of the International Astronomical Union, 2008, 4, 254-259.	0.0	0
309	A Roadmap for Delivering the Promise of Gaia. Proceedings of the International Astronomical Union, 2008, 4, 483-486.	0.0	0
310	Pulsations in massive stars: effect of the atmosphere on the strange mode pulsations. Proceedings of the International Astronomical Union, 2010, 6, 503-504.	0.0	0
311	Synthetic pulsational line profile variations. Astrophysics and Space Science, 2010, 329, 211-216.	0.5	0
312	An observational asteroseismic study of the pulsating B-type stars in the open cluster NGC 884. Proceedings of the International Astronomical Union, 2013, 9, 479-480.	0.0	0
313	Magneto-asteroseismology of massive magnetic pulsators. Proceedings of the International Astronomical Union, 2016, 12, 146-150.	0.0	0
314	Measuring and Decoding Gravitational Modes in Intermediate- and High-Mass Stars. Proceedings of the International Astronomical Union, 2017, 14, 98-103.	0.0	0
315	The Chemical Composition of B-type Pulsators: Some Unexpected Results. Globular Clusters - Guides To Galaxies, 2008, , 301-302.	0.1	0
316	Observations of Stellar Oscillations across the Hertzsprung-Russell Diagram. Astronomy and Astrophysics Library, 2010, , 31-136.	0.2	0
317	Observational Techniques for Asteroseismology. Astronomy and Astrophysics Library, 2010, , 295-335.	0.2	0
318	Applications of Asteroseismology. Astronomy and Astrophysics Library, 2010, , 447-668.	0.2	0
319	Frequency Analysis. Astronomy and Astrophysics Library, 2010, , 337-376.	0.2	0
320	Theory of Stellar Oscillations. Astronomy and Astrophysics Library, 2010, , 137-294.	0.2	0
321	Mode Identification. Astronomy and Astrophysics Library, 2010, , 377-446.	0.2	0
322	The Current Status of Asteroseismology. , 2008, , 3-20.		0