

Conny Aerts

List of Publications by Year in descending order

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322
papers

30,394
citations

17405

63
h-index

4978

167
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325
all docs

325
docs citations

325
times ranked

12068
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	Detecting deep axisymmetric toroidal magnetic fields in stars. <i>Astronomy and Astrophysics</i> , 2022, 661, A133.	2.1	10
3	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
4	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
5	Polarimetric detection of non-radial oscillation modes in the $\hat{\iota}^2$ Cephei star $\hat{\iota}^2$ Crucis. <i>Nature Astronomy</i> , 2022, 6, 154-164.	4.2	8
6	Zeta-Payne: A Fully Automated Spectrum Analysis Algorithm for the Milky Way Mapper Program of the SDSS-V Survey. <i>Astronomical Journal</i> , 2022, 163, 236.	1.9	6
7	Probing the interior physics of stars through asteroseismology. <i>Reviews of Modern Physics</i> , 2021, 93, .	16.4	148
8	Characterization of the variability in the O+B eclipsing binary HD \hat{A} 165246. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 1124-1137.	1.6	9
9	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
10	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
11	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
12	<i>Gaia</i> Early Data Release 3. <i>Astronomy and Astrophysics</i> , 2021, 649, A1.	2.1	2,429
13	Weighing stars from birth to death: mass determination methods across the HRD. <i>Astronomy and Astrophysics Review</i> , 2021, 29, 1.	9.1	38
14	Internal mixing of rotating stars inferred from dipole gravity modes. <i>Nature Astronomy</i> , 2021, 5, 715-722.	4.2	91
15	Constraining stellar evolution theory with asteroseismology of $\hat{\iota}^3$ Doradus stars using deep learning. <i>Astronomy and Astrophysics</i> , 2021, 650, A58.	2.1	28
16	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
17	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
18	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

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19	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
20	TESS Data for Asteroseismology (Tê™DA) Stellar Variability Classification Pipeline: Setup and Application to the Kepler Q9 Data. <i>Astronomical Journal</i> , 2021, 162, 209.	1.9	10
21	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
22	Final Targeting Strategy for the SDSS-IV APOGEE-2S Survey. <i>Astronomical Journal</i> , 2021, 162, 303.	1.9	46
23	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
24	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2020, 636, A100.	2.1	29
25	Asteroseismic Modeling of Gravity Modes in Slowly Rotating A/F Stars with Radiative Levitation. <i>Astrophysical Journal</i> , 2020, 895, 51.	1.6	28
26	Detecting axisymmetric magnetic fields using gravity modes in intermediate-mass stars. <i>Astronomy and Astrophysics</i> , 2020, 638, A149.	2.1	30
27	The mass discrepancy in intermediate- and high-mass eclipsing binaries: The need for higher convective core masses. <i>Astronomy and Astrophysics</i> , 2020, 637, A60.	2.1	59
28	Fully compressible simulations of waves and core convection in main-sequence stars. <i>Astronomy and Astrophysics</i> , 2020, 641, A18.	2.1	44
29	Variability of OB stars from TESS southern Sectors 1â€“13 and high-resolution IACOB and OWN spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 639, A81.	2.1	65
30	Photometric detection of internal gravity waves in upper main-sequence stars. <i>Astronomy and Astrophysics</i> , 2020, 640, A36.	2.1	65
31	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
32	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
33	The Kepler Smear Campaign: Light Curves for 102 Very Bright Stars. <i>Astrophysical Journal, Supplement Series</i> , 2019, 244, 18.	3.0	7
34	New Î²Cep pulsators discovered with K2 space photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 1304-1320.	1.6	19
35	Photometric detection of internal gravity waves in upper main-sequence stars. <i>Astronomy and Astrophysics</i> , 2019, 621, A135.	2.1	63
36	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. <i>Astrophysical Journal Letters</i> , 2019, 872, L9.	3.0	61

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37	Angular Momentum Transport in Stellar Interiors. <i>Annual Review of Astronomy and Astrophysics</i> , 2019, 57, 35-78.	8.1	167
38	TOI-150: A Transiting Hot Jupiter in the TESS Southern CVZ*. <i>Astrophysical Journal Letters</i> , 2019, 877, L29.	3.0	12
39	Magnetic characterization and variability study of the magnetic SPB star <i>Lupi</i> . <i>Astronomy and Astrophysics</i> , 2019, 622, A67.	2.1	5
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	Asteroseismic masses, ages, and core properties of $\hat{1}^3\hat{A}$ Doradus stars using gravito-inertial dipole modes and spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 485, 3248-3263.	1.6	59
42	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2019, 623, A110.	2.1	101
43	Combined asteroseismology, spectroscopy, and astrometry of the CoRoT B2V target HD 170580. <i>Astronomy and Astrophysics</i> , 2019, 624, A75.	2.1	15
44	Period spacings of gravity modes in rapidly rotating magnetic stars. <i>Astronomy and Astrophysics</i> , 2019, 627, A64.	2.1	37
45	Ensemble asteroseismology of pulsating B-type stars in NGC 6910. <i>Astronomy and Astrophysics</i> , 2019, 632, A95.	2.1	13
46	Isochrone-cloud fitting of the extended main-sequence turn-off of young clusters. <i>Astronomy and Astrophysics</i> , 2019, 632, A74.	2.1	18
47	The K2 Bright Star Survey. I. Methodology and Data Release. <i>Astrophysical Journal, Supplement Series</i> , 2019, 245, 8.	3.0	14
48	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
49	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
50	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
51	A recent history of science cases for optical interferometry. <i>Experimental Astronomy</i> , 2018, 46, 389-399.	1.6	2
52	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
53	Forward seismic modeling of the pulsating magnetic B-type star HD 43317. <i>Astronomy and Astrophysics</i> , 2018, 616, A148.	2.1	66
54	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

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55	The shape of convective core overshooting from gravity-mode period spacings. <i>Astronomy and Astrophysics</i> , 2018, 614, A128.	2.1	72
56	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
57	Low-frequency photospheric and wind variability in the early-B supergiant HD 2905. <i>Astronomy and Astrophysics</i> , 2018, 612, A40.	2.1	29
58	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
59	K2 photometry and HERMES spectroscopy of the blue supergiant ϵ Leo: rotational wind modulation and low-frequency waves. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 476, 1234-1241.	1.6	34
60	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A10.	2.1	638
61	<i>Gaia</i> Data Release 2. <i>Astronomy and Astrophysics</i> , 2018, 616, A1.	2.1	6,364
62	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
63	<i>Kepler</i> sheds new and unprecedented light on the variability of a blue supergiant: Gravity waves in the O9.5 star HD 188209. <i>Astronomy and Astrophysics</i> , 2017, 602, A32.	2.1	34
64	Signatures of internal rotation discovered in the <i>Kepler</i> data of five slowly pulsating B stars. <i>Astronomy and Astrophysics</i> , 2017, 598, A74.	2.1	111
65	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
66	Beyond the Kepler/K2 bright limit: variability in the seven brightest members of the Pleiades. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 471, 2882-2901.	1.6	58
67	Magnetic characterization of the SPB/ \hat{P}^2 Cep hybrid pulsator HD 43317. <i>Astronomy and Astrophysics</i> , 2017, 605, A104.	2.1	18
68	The Interior Angular Momentum of Core Hydrogen Burning Stars from Gravity-mode Oscillations. <i>Astrophysical Journal Letters</i> , 2017, 847, L7.	3.0	60
69	Measuring and Decoding Gravitational Modes in Intermediate- and High-Mass Stars. <i>Proceedings of the International Astronomical Union</i> , 2017, 14, 98-103.	0.0	0
70	The IACOB project. <i>Astronomy and Astrophysics</i> , 2017, 597, A22.	2.1	98
71	Studying the photometric and spectroscopic variability of the magnetic hot supergiant ϵ Ori. <i>Astronomy and Astrophysics</i> , 2017, 602, A91.	2.1	18
72	HD 41641: A classical \hat{P}^2 -Sct-type pulsator with chemical signatures of an Ap star. <i>Astronomy and Astrophysics</i> , 2016, 588, A71.	2.1	18

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73	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
74	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
75	Asteroseismic versus <i>Gaia</i> distances: A first comparison. <i>Astronomy and Astrophysics</i> , 2016, 595, L3.	2.1	28
76	The <i>Gaia</i> mission. <i>Astronomy and Astrophysics</i> , 2016, 595, A1.	2.1	4,509
77	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
78	The PLATO Mission. <i>Astronomische Nachrichten</i> , 2016, 337, 961-963.	0.6	83
79	<i>Gaia</i> Data Release 1. <i>Astronomy and Astrophysics</i> , 2016, 595, A2.	2.1	1,590
80	Interior rotation of a sample of $\hat{\beta}$ Doradus stars from ensemble modelling of their gravity-mode period spacings. <i>Astronomy and Astrophysics</i> , 2016, 593, A120.	2.1	155
81	DETECTION OF SOLAR-LIKE OSCILLATIONS, OBSERVATIONAL CONSTRAINTS, AND STELLAR MODELS FOR $\hat{\gamma}$ CYG, THE BRIGHTEST STAR OBSERVED BY THE KEPLER MISSION. <i>Astrophysical Journal</i> , 2016, 831, 17.	1.6	14
82	Starquakes spring stellar surprises. <i>Astronomy and Geophysics</i> , 2016, 57, 4.37-4.42.	0.1	2
83	Magneto-asteroseismology of massive magnetic pulsators. <i>Proceedings of the International Astronomical Union</i> , 2016, 12, 146-150.	0.0	0
84	Stellar modelling of Spica, a high-mass spectroscopic binary with a $\hat{\gamma}$ Cep variable primary component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 458, 1964-1976.	1.6	16
85	EXECUTIVE COMMITTEE WORKING GROUP: WOMEN IN ASTRONOMY. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 531-538.	0.0	1
86	The age and interior rotation of stars from asteroseismology. <i>Astronomische Nachrichten</i> , 2015, 336, 477-486.	0.6	56
87	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
88	OBSERVATIONAL SIGNATURES OF CONVECTIVELY DRIVEN WAVES IN MASSIVE STARS. <i>Astrophysical Journal Letters</i> , 2015, 806, L33.	3.0	67
89	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
90	Tight asteroseismic constraints on core overshooting and diffusive mixing in the slowly rotating pulsating B8.3V star KIC 10526294. <i>Astronomy and Astrophysics</i> , 2015, 580, A27.	2.1	137

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91	KICâ€‰10080943: An eccentric binary system containing two pressure- and gravity-mode hybrid pulsators. <i>Astronomy and Astrophysics</i> , 2015, 584, A35.	2.1	49
92	<i>Kepler</i>'s first view of O-star variability: <i>K2</i> data of five O stars in CampaignÂ0 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
93	Tracing early stellar evolution with asteroseismology: pre-main sequence stars in NGC 2264. <i>EPJ Web of Conferences</i> , 2015, 101, 01010.	0.1	1
94	Detecting non-uniform period spacings in the <i>Kepler</i> photometry of <i>Î³</i> Doradus stars: methodology and case studies. <i>Astronomy and Astrophysics</i> , 2015, 574, A17.	2.1	66
95	The 2003â€‰2004 multisite photometric campaign for the Î² Cephei and eclipsing star 16 (EN) Lacertae with an appendix on 2 Andromedae, the variable comparison star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 724-740.	1.6	7
96	KICâ€‰10080943: a binary star with two Î³ Doradus/Î± Scuti hybrid pulsators. Analysis of the g modes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 1792-1797.	1.6	45
97	Asteroseismology. <i>Physics Today</i> , 2015, 68, 36-42.	0.3	12
98	GRAVITY-MODE PERIOD SPACINGS AS A SEISMIC DIAGNOSTIC FOR A SAMPLE OF <i>Î³</i> DORADUS STARS FROM <i>KEPLER</i> SPACE PHOTOMETRY AND HIGH-RESOLUTION GROUND-BASED SPECTROSCOPY. <i>Astrophysical Journal, Supplement Series</i> , 2015, 218, 27.	3.0	115
99	Detection of solar-like oscillations in the bright red giant stars <i>Î³</i> Piscium and <i>Î³</i> ¹â€‰Tauri from a 190-day high-precision spectroscopic multi-site campaign. <i>Astronomy and Astrophysics</i> , 2015, 573, A138.	2.1	19
100	KICâ€‰10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes. <i>Astronomy and Astrophysics</i> , 2014, 570, A8.	2.1	63
101	KICâ€‰7668647: a 14 day beaming sdB+WD binary with a pulsating subdwarf. <i>Astronomy and Astrophysics</i> , 2014, 570, A129.	2.1	36
102	KICâ€‰10526294: a slowly rotating B star with rotationally split, quasi-equally spaced gravity modes<i> (Corrigendum)</i>. <i>Astronomy and Astrophysics</i> , 2014, 570, C4.	2.1	3
103	The PLATO 2.0 mission. <i>Experimental Astronomy</i> , 2014, 38, 249-330.	1.6	912
104	THE SURFACE NITROGEN ABUNDANCE OF A MASSIVE STAR IN RELATION TO ITS OSCILLATIONS, ROTATION, AND MAGNETIC FIELD. <i>Astrophysical Journal</i> , 2014, 781, 88.	1.6	59
105	The eccentric massive binary V380ÂCyg: revised orbital elements and interpretation of the intrinsic variability of the primary component*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 438, 3093-3110.	1.6	57
106	Modelling of Î¶ Scorpii, a high-mass binary with a Î² Cep variable primary component. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 616-628.	1.6	13
107	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
108	Echography of young stars reveals their evolution. <i>Science</i> , 2014, 345, 550-553.	6.0	48

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109	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
110	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
111	Discovery of binarity, spectroscopic frequency analysis, and mode identification of the δ Scuti star ϵ CVn. <i>Astronomy and Astrophysics</i> , 2014, 570, A33.	2.1	14
112	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
113	Massive Star Asteroseismology in Action. <i>Proceedings of the International Astronomical Union</i> , 2014, 9, 154-164.	0.0	8
114	The PLATO Simulator: modelling of high-precision high-cadence space-based imaging. <i>Astronomy and Astrophysics</i> , 2014, 566, A92.	2.1	16
115	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
116	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
117	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
118	KIC 11285625: A double-lined spectroscopic binary with a δ Doradus pulsator discovered from <i>Kepler</i> space photometry. <i>Astronomy and Astrophysics</i> , 2013, 556, A56.	2.1	46
119	Detection of a large sample of δ Doradus stars from <i>Kepler</i> space photometry and high-resolution ground-based spectroscopy. <i>Astronomy and Astrophysics</i> , 2013, 556, A52.	2.1	62
120	An observational asteroseismic study of the pulsating B-type stars in the open cluster NGC 884. <i>Proceedings of the International Astronomical Union</i> , 2013, 9, 479-480.	0.0	0
121	Two new SB2 binaries with main sequence B-type pulsators in the <i>Kepler</i> field. <i>Astronomy and Astrophysics</i> , 2013, 553, A127.	2.1	25
122	Low-amplitude rotational modulation rather than pulsations in the CoRoT B-type supergiant HD 46769. <i>Astronomy and Astrophysics</i> , 2013, 557, A114.	2.1	13
123	MAIA, a three-channel imager for asteroseismology: instrument design. <i>Astronomy and Astrophysics</i> , 2013, 559, A26.	2.1	8
124	Improved variability classification of CoRoT targets with Giraffe spectra. <i>Astronomy and Astrophysics</i> , 2013, 550, A120.	2.1	20
125	Low-frequency variations of unknown origin in the <i>Kepler</i> δ Scuti star KIC 5988140 = HD 188774. <i>Astronomy and Astrophysics</i> , 2013, 549, A104.	2.1	12
126	Binaries discovered by the MUCHFUSS project. <i>Astronomy and Astrophysics</i> , 2013, 559, A35.	2.1	18

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127	High-precision CoRoT space photometry and fundamental parameter determination of the B2.5V star HD48977. <i>Astronomy and Astrophysics</i> , 2013, 551, A12.	2.1	14
128	Denosing spectroscopic data by means of the improved least-squares deconvolution method. <i>Astronomy and Astrophysics</i> , 2013, 560, A37.	2.1	41
129	Fast core rotation in red-giant stars as revealed by gravity-dominated mixed modes. <i>Nature</i> , 2012, 481, 55-57.	13.7	383
130	The CoRoT B-type binary HD50230: a prototypical hybrid pulsator with g-mode period and p-mode frequency spacings. <i>Astronomy and Astrophysics</i> , 2012, 542, A88.	2.1	36
131	Gravito-inertial and pressure modes detected in the B3IV CoRoT target HD43317. <i>Astronomy and Astrophysics</i> , 2012, 542, A55.	2.1	87
132	Three ways to solve the orbit of KIC11558725: a 10-day beaming sdB+WD binary with a pulsating subdwarf. <i>Astronomy and Astrophysics</i> , 2012, 544, A1.	2.1	59
133	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
134	Constraining the core rotation rate in red-giant stars from Kepler space photometry. <i>Astronomische Nachrichten</i> , 2012, 333, 967-970.	0.6	6
135	The CoRoT ground-based asteroseismological programme. <i>Astronomische Nachrichten</i> , 2012, 333, 1061-1064.	0.6	24
136	Spectroscopic frequencies of 4 CVn in 2010 and 2011. <i>Astronomische Nachrichten</i> , 2012, 333, 1080-1082.	0.6	2
137	Do we see the simultaneous occurrence of stellar rotational effects and short-period pulsations in some Kepler stars?. <i>Astronomische Nachrichten</i> , 2012, 333, 975-977.	0.6	2
138	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
139	Multisite spectroscopic seismic study of the $\hat{\Gamma}^2$ 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
140	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
141	Spectrum analysis of bright Kepler Doradus candidate stars.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 422, 2960-2968.	1.6	47
142	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
143	A multisite photometric study of two unusual $\hat{\Gamma}^2$ 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
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