# Dominic M. Bowman

PhD., MSci. (Hons), FRAS, MInstP

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#### I. Personal Statement

Currently I am an FWO senior postdoctoral research fellow in the Institute of Astronomy at KU Leuven. My primary research focus is asteroseismology of high- and intermediate-mass stars. The analysis of stellar pulsations reveals tight constraints on interior physics such as rotation, mixing and angular momentum transport. My expertise includes the extraction and analysis of photometric and spectroscopic data from space- and ground-based telescopes, and forward seismic modelling of pulsating stars. I am passionate and actively develop teaching at the BSc, MSc and PhD level, and outreach for all ages and backgrounds.

My undergraduate studies at the University of Birmingham inspired me to pursue a research career in asteroseismology. I completed my PhD at UCLan in the UK under the supervision of Prof. Donald Kurtz, and my thesis was published as a Springer monograph. I published a first-author paper in Nature Astronomy on my postdoctoral research at KU Leuven, which was selected as the cover image for the August 2019 issue. In May 2020, I was awarded the prestigious KU Leuven Research Council Award in Science, Engineering and Technology for my breakthrough research in asteroseismology of massive stars. In November 2020, I began a prestigious and competitive 3-yr FWO research fellowship based at KU Leuven in Belgium.

#### II. Education

#### Postgraduate degree, PhD

Oct 2013 - Nov 2016

PhD in astronomy with thesis title: Amplitude modulation and energy conservation of pulsation modes in delta Scuti stars, awarded on 21 November 2016 by the University of Central Lancashire, Preston, UK. My supervisor was Prof. Donald Kurtz and I was funded by the UK Science and Technology Facilities Council (STFC). I passed my PhD defence outright with no corrections about 6 months ahead of schedule.

#### Undergraduate degree, MSci

Sept 2009 - June 2013

First class integrated Master (BSc + MSc) in Science (M.Sci.) degree with honours in physics and astrophysics from the University of Birmingham in the UK, with an award date of 8 July 2013.

# III. Employment

#### **FWO Senior Postdoctoral Fellowship**

1 Nov 2020 to date

Institute of Astronomy, KU Leuven, Celestijnenlaan 200D, 3001 Leuven, Belgium. Independent and personal mandate funded by Fonds Wetenschappelijk Onderzoek (FWO) Vlaanderen (grant agreement N° 1286521N).

#### Postdoctoral Research Associate

1 Feb 2017 to 31 Oct 2020

Institute of Astronomy, KU Leuven, Celestijnenlaan 200D, 3001 Leuven, Belgium. Funded by the European Union's Horizon 2020 research and innovation programme (grant agreement N° 670519: MAMSIE, PI Aerts).

#### **Lecturer in Astronomy**

19 Sept 2016 - 13 Jan 2017

Jeremiah Horrocks Institute, University of Central Lancashire, Preston, PR1 2HE, United Kingdom.

Curriculum Vitae: D. M. Bowman

# IV. Scientific Prizes and Awards

#### FWO Long Stay Abroad

Oct - Dec 2021

I was awarded a competitive FWO grant for a long research stay abroad to cover all costs for my visit to KITP, California, USA for 3 months in 2021, for a total of approximately €5000.

# KU Leuven Research Council Award (POR)

May 2020

This prestigious and highly-competitive prize for postdoctoral researchers within KU Leuven was awarded for my research in massive star asteroseismology, and included € 20 000 of research funding.

#### Springer Thesis Award

Oct 2017

My PhD thesis was published in the Springer thesis series in 2017 for 'Outstanding PhD Research'. This prestigious prize allowed me to expand my thesis into a monograph and included a cash prize.

I have been successful in numerous travel bursary applications to external funding bodies for attending international conferences, which include STFC and RAS in the UK, CNRS in France and FWO in Belgium. The combined total of these travel grants is approximately  $\leq 5000$ .

# V. Conference Organisation

# TASC6/KASC13, Leuven, Belgium

11 - 15 July 2022

Chair of the LOC for the TASC6/KASC13 conference of the asteroseismic community, which will be held in Leuven and attract  $\sim$ 200 participants. Postponed from 2020 because of the COVID-19 pandemic.

# **EAS 2021**, Virtual (hosted by Leiden University, the Netherlands)

28 June - 2 July 2021

Co-Chair of the SOC of the symposium titled "Massive stars: birth, rotation, and chemical evolution" at the EAS 2021 meeting, which had more than 100 participants.

#### **MOBSTER1**, Virtual (hosted by University of Delaware, USA)

13 - 17 July 2020

Co-Chair of the SOC for the virtual MOBSTER-1 conference, which had more than 170 participants. Format was changed to a virtual conference because of the COVID-19 pandemic.

### **EAS 2020**, Virtual (hosted by Leiden University, the Netherlands)

29 June - 3 July 2020

Chair of the SOC of the special session titled "New insights of angular momentum transport in stellar interiors" held on 1 June during the EAS 2020 meeting, which had more than 100 participants. Format was changed to a virtual conference because of the COVID-19 pandemic.

#### STARS2016, Windermere, UK

11 - 15 Sept 2016

Principal organiser (Chair of the LOC) for the STARS2016 conference which celebrated the scientific career of Prof. Donald Kurtz and had more than 75 participants. The budget was approximately € 50 000, and successful grant applications included € 3500 from the RAS and € 8000 from UCLan for this meeting.

# VI. Personal Training

## **Anti-Racism in Astronomy and Geophysics**, *Virtual*, (hosted by RAS)

12 Aug 2021

Seminars and training session on anti-racism initiatives in academia.

16 Nov 2020

Seminars and training session on diversity initiatives in academia.

### Voice of the future, Westminster, London, UK

15 Mar 2017

I was an ECR representative of the RAS to attend this meeting on bridging scientists and UK politicians.

#### STFC careers event, Institute of Physics, London, UK

21 Oct 2015

I was successful in my application for an STFC travel grant for the costs of attending.

Sex and Gender Dimensions in Frontier Research, Virtual (hosted by ERCEA)

#### Media training for outreach, Royal Society, London, UK

7 Oct 2015

I was successful in my application for an STFC bursary for the costs of attending.

Curriculum Vitae: D. M. Bowman

# VII. International Responsibilities and Committees

#### Review Editor. Frontiers

Feb 2021 - date

Editorial board member and Review Editor for the journals 'Frontiers in Astronomy and Space Sciences' and 'Frontiers in Physics'.

ULLYSES WG12 chair Dec 2020 – date

Point of contact (chair) of WG12: pulsations of ULLYSES targets and XShootU collaboration.

#### Good Vibrations seminar series

Nov 2020 - date

Steering committee member for the Good Vibrations seminar series, which promotes and provides opportunities for PhD students to share their research internationally.

#### co-PI MOBSTER collaboration

Nov 2020 - date

Together with P.I. Alex David-Uraz and co-P.I. Coralie Neiner, we are in charge of organising and maximising the scientific productivity of the MOBSTER collaboration, which leverages TESS data to identify and study massive magnetic stars.

#### RAS ECN committee member

June 2020 - date

Secretary for the Early Careers Network (ECN) of the UK Royal Astronomical Society (RAS).

**BEST member** Sept 2019 – date

Non-voting member of the BRITE Executive Science Team (BEST).

# SHOC@SAAO pipeline developer

July 2020 – date

I am the principal author of the  $\rm TEA\text{-}Phot$  pipeline to reduce and extract light curves from the SHOC imager at SAAO. The  $\rm TEA\text{-}Phot$  pipeline is published: Bowman & Holdsworth (2019, A&A 629, A21), and is fully endorsed by the SHOC instrument team at SAAO as the go-to reduction pipeline.

#### **CubeSpec scientific advisor**

Jan 2019 - date

Advisor on the development and implementation of the asteroseismic science case for the CubeSpec cubesat mission being built by KU Leuven in collaboration with Space Inventor and ESA.

#### PLATO external reviewer

Nov 2020

External reviewer for the on-ground data processing algorithms on behalf of the complementary science program (WP16) of the ESA PLATO mission.

# VIII. Scientific Organisation Membership

Junior Member of International Astronomical Union (IAU) since January 2020.

Member of the European Astronomical Society (EAS) since April 2019.

Fellow of the Royal Astronomical Society (FRAS) since October 2013.

Member of the Institute of Physics (MInstP) since October 2013.

# IX. Observing Projects and Experience

#### European Southern Observatory (ESO), Chile

14 nights of observing experience as visiting astronomer in December 2019 using the FEROS spectrograph mounted on the 2.2-m MPG/ESO telescope at the La Silla observatory, ESO.

- Co-l of ESO programme obtaining multi-epoch high-resolution spectroscopy of gamma Doradus stars with UVES (106.2158.001; 106.2158.003; 106.2158.003; 21 hr; PI Christophe).
- Co-I of MPG/ESO programme obtaining multi-epoch high-resolution spectroscopy of massive binary stars with FEROS (0106.A-9106; 90 hr; PI Aerts).
- Co-I of ESO large programme obtaining multi-epoch high-resolution spectroscopy of massive stars with UVES (1104.D-0230; 120 hr; PI Tkachenko).
- Co-I of MPG/ESO programme obtaining multi-epoch high-resolution spectroscopy of massive stars with FEROS (0104.A-9001; 120 hr; PI Aerts).
- Co-I of ESO DDT obtaining phase-resolved high-resolution spectroscopy of the pulsating eclipsing binary system U Gru with UVES (103.200F; 4 hr; PI Johnston).

#### Transiting Exoplanet Survey Satellite (TESS), NASA

- PI of two TESS Guest Investigator proposals obtaining high-precision and short-cadence time series photometry of massive stars in cycle 3 in 2019 (GO3059; 1058 stars; PI Bowman) and cycle 4 in 2020 (GO4074; 1618 stars; PI Bowman).
- Co-I of multiple TESS Guest Investigator proposals obtaining high-precision and short-cadence time series photometry of intermediate- and high-mass stars in cycles 1–4.

#### South African Astronomical Observatory (SAAO), Sutherland, South Africa

21 nights of observing experience as visiting astronomer in May and June 2017 using the SHOC imager mounted on the 1-m telescope at SAAO to obtain high-cadence photometry of roAp stars.

• PI of service time proposal to gain high-cadence photometry of candidate roAp stars in May 2018.

#### Mercator Observatory, La Palma, Spain

55 nights of observing experience using the HERMES and MAIA instruments on the 1.2-m Mercator telescope between 2017 and 2021, which includes visitor mode and service observing.

- PI of HERMES proposal awarded 80 hr in semester 2021a to gain time-series spectroscopy of high-mass pulsating eclipsing binaries discovered by TESS.
- PI of MAIA proposal awarded 120 hr in semester 2020b to gain short-cadence multi-colour time-series photometry of roAp stars observed by K2 and TESS.
- PI of HERMES proposal awarded 70 hr in semester 2018b, 35 hr in semester 2019a and 90 hr in semester 2019b to gain spectroscopy of Ap stars being observed by TESS.
- PI of a HERMES proposal awarded 60 hr in semester 2018a to gain accurate stellar parameters for pulsating B, A and F stars in the *Kepler* field for forward seismic modelling.
- PI of a HERMES proposal awarded 40 hr in semester 2017a and 20 hr in semester 2018a to study high-mass companions to  $\delta$  Sct stars in binary systems discovered using pulsation timing.

#### Moses Holden Telescope (MHT), UCLan, Preston, UK

20 nights of observing experience using the imager on the 0.75-m MHT in 2016 and 2017.

#### William Herschel Telescope (WHT), La Palma, Spain

ullet PI of service time proposal in 2016 to gain accurate  $T_{
m eff}$  values for 23  $\delta$  Sct stars observed by *Kepler*.

# $\boldsymbol{X}.$ Teaching and Supervision Experience

PhD theses, KU Leuven, Belgium	
<ul> <li>Examination committee (jury) member of Camilla Scolini</li> <li>Magnetised Coronal Mass Ejections: evolution from the Sun to 1 AU and get</li> </ul>	May 2020 o-effectiveness
• Co-supervisor of Jordan Van Beeck  Application of non-linear asteroseismology to Kepler and TESS photometry	Sept 2019 – date
Progress committee member of Joris Hermans  Solar flux ropes and tornadoes	Sept 2019 – date
Co-supervisor of Siemen Burssens  Variability of blue supergiants with the K2 and TESS space missions	Sept 2018 – date
Progress committee member of Joey S. G. Mombarg Forward seismic modelling of intermediate mass stars	Feb 2018 – date
Long-stay research supervisor of Mariel Lares-Martiz  Non-linear terms in Delta Scuti stars power spectra	Sept 2019 - Dec 2019
Master theses, KU Leuven, Belgium	
Supervisor of Stijn Rutten Photometry of saturated stars with MAIA: preparing for PLATO	Sept 2021 – date
Supervisor of Nagaraj Vernekar  On the photometric and spectroscopic variability of Be stars: the case of HD	Sept 2020 – Sept 2021 9 93683
Examination committee member (reader) of Anne Daniels  Permutation entropy and statistical complexity to characterise space plasmas	June 2021
Examination committee member (reader) of Mariya Nizovkina Investigating the effect of microturbulent velocity on mass discrepancy in the	June 2021 e binary system V380 Cyg
Examination committee member (reader) of Tinatin Baratashvili  On the effect of grid stretching and AMR on inner heliospheric solar wind an	June 2020 ad CME evolution simulations
Supervisor of Joris Hermans  Testing stellar evolution with selected high-amplitude delta Scuti stars	Sept 2018 – June 2019
Supervisor of Sven Nys Asteroseismic modelling of gravity modes in selected intermediate-mass stars	Sept 2018 – June 2019
Co-supervisor of Jordan Van Beeck The influence of an interior magnetic field on gravity-mode oscillations of int	Sept 2018 – June 2019 termediate-mass stars
Examination committee member (reader) of Mathias Michielsen Comparing oscillation frequencies of stars with a convective core: Impact of	June 2018 varying input physics
Undergraduate Courses and Modules	
<b>Guest Lecturer</b> , <i>University of Innsbruck, Austria</i> Lecture on massive star asteroseismology for course of Prof. Konstanze Zwintz	May 2021
Module Tutor, KU Leuven, Belgium Responsible for delivering the MSc thesis defence preparation course.	Sept 2019 – date
Module Examiner, KU Leuven, Belgium	Sept 2017 – July 2019

Examiner for the Bachelor science communication and MSc Asteroseismology courses.

Supervision of multiple bachelor and master student projects in asteroseismology.

Bachelor and master student projects, KU Leuven, Belgium

Curriculum Vitae: D. M. Bowman

Sept 2017 – date

Lecturing bachelor courses in statistics, astronomy, mathematics, and supervision of astronomy laboratories.

# XI. Scientific Conferences and Workshops

KITP program,	Santa	Barbara,	California,	USA
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11 Oct - 17 Dec 2021

I was successful in my application for an FWO long stay abroad grant to cover the costs. This program also included a conference between 11-18 November at which I am an invited speaker.

**TESS SciCon II**, Virtual (hosted by MIT, USA)

2 - 6 Aug 2021

BRITE-related Science Meeting, Virtual (hosted by Innsbruck, Austria)

12 July 2021

**EAS 2021**, Virtual (hosted by Leiden University, the Netherlands)

28 June - 2 July 2021

Co-Chair of the SOC of symposium 16 (S16) titled "Massive stars: birth, rotation, and chemical evolution".

3 - 7 May 2021

**OBA stars: variability and magnetic fields**, *Virtual (hosted by St. Petersburg)* 26 – 30 April 2021

**Pulsations in Multiple Systems**, *Virtual (hosted by University of Surrey, UK)* 

Co-Chair of the SOC for the first conference of the MOBSTER collaboration.

**IAU361 mini-symposium on massive stars**, Virtual (hosted by DIAS, Ireland)

Invited speaker on the topic of asteroseismology of O and B stars.

18 - 22 Jan 2021

13 - 17 July 2020

Invited speaker on the topic of asteroseismology of OBAF stars.

**MOBSTER-1**, Virtual (hosted by University of Delaware, USA)

**EAS 2020**, Virtual (hosted by Leiden University, the Netherlands)

29 June - 3 July 2020

Chair of the SOC for the special session 5 (SS5) titled: "New insights of angular momentum transport in stellar interiors" at the EAS2020 conference.

Stars and their Variability, Vienna, Austria

19 - 23 Aug 2019

Invited speaker on the topic of asteroseismology of O and B stars.

TESS Sci Con I, MIT, Cambridge, USA

29 July - 2 Aug 2019

TASC5/KASC12, MIT, Cambridge, USA

22 - 26 July 2019

Stellar Hydro Days V, Exeter, UK

24 - 28 June 2019

STFC/MAMSIE mini-workshop, Leuven, Belgium

2 - 4 April 2019

Kepler/K2 Sci Con V, Glendale, California, USA

4 - 8 March 2019

**TESS data workshop**, KU Leuven, Belgium

5 - 9 Nov 2018

STFC/MAMSIE mini-workshop, Leuven, Belgium

29 - 31 Oct 2018 4 - 6 Oct 2018

MASSIVE star meeting, Leuven, Belgium

3 - 7 Sept 2018

PHOST, Banyuls-sur-mer, France

TASC4/KASC11, Aarhus University, Denmark

8 - 13 July 2018

Invited speaker on the topic of asteroseismology of A and F stars. I was successful in my application for an FWO conference participation grant to cover the travel costs.

Statistics workshop, KU Leuven, Belgium

11 June 2018

STFC/MAMSIE mini-workshop, Newcastle University, UK

5 - 8 June 2018

Belgian contact group meeting, Brussels, Belgium

4 June 2018

MAMSIE/STFC workshop, KU Leuven, Belgium

14 - 16 March 2018

TESS data workshop, KU Leuven, Belgium	6 – 8 Dec 2017
MAMSIE/STFC workshop, KU Leuven, Belgium	12 - 15 Sept 2017
MESA Summer school, UCSB, California, USA	14 - 18 Aug 2017
TASC3/KASC10, University of Birmingham, UK	17 - 21 July 2017
<b>STARS2016</b> , Windermere, UK  Chair of the LOC celebrating the scientific contributions of Prof. Donald Kurtz.	11 - 15 Sept 2016
<b>TASC2/KASC9 workshop</b> , <i>Terceira-Açores, Portugal</i> My application for the defrayment of my registration fee was successful.	27 June – 1 July 2016
National Astronomy Meeting (NAM), Nottingham University, UK	11 - 15 July 2016
<b>STFC spectroscopy school</b> , <i>Queen's University Belfast, UK</i> My accommodation and subsistence costs were funded by STFC.	31 Aug – 4 Sept 2015
KASC8/TASC1 workshop, Aarhus University, Denmark I was successful in my application for an RAS travel grant for half the total costs.	15 – 19 June 2015
RAS specialist discussion meeting, RAS, London, UK Invited speaker on the topic of pulsations in delta Scuti stars observed by Kepler.	8 May 2015
K2 data workshop, (Virtual) Aarhus University, Denmark	10 – 11 Nov 2014
<b>Ecole Evry Schatzman 2014</b> , <i>Roscoff, France</i> My accommodation and subsistence costs were funded by CNRS.	28 Sept – 3 Oct 2014
CoRoT3/KASC7 meeting, <i>Toulouse, France</i> My application for the defrayment of my registration fee was successful.	6 – 11 July 2014
<b>Spectroscopy workshop</b> , Aarhus University, Denmark My application for an RAS travel grant for half the total costs was successful.	19 – 23 May 2014

# ${ m XII.}$ Conference Talks, Seminars and Colloquia

Conferences Talks	
• Transport in Stellar Interiors (Invited), KITP, UCSB, USA	15 – 18 Nov 2021
• TESS SciCon II (Contributed), Virtual (hosted by MIT, USA)	3 Aug 2021
• BRITE-related Science Meeting (Invited), Virtual (hosted by Uni. Innsbruck, Austria)	12 July 2021
• IAU 361 mini-symposium (Contributed), Virtual (hosted by DIAS, Ireland)	3 May 2021
• OBA stars: variability and magnetic fields (Invited), Virtual (hosted by St. Petersburg)	30 April 2021
• PIMMS workshop (Invited), Virtual (hosted by University of Surrey, UK)	18 Jan 2021
• Stars and their Variability (Invited), Vienna, Austria	19 Aug 2019
• TESS Sci Con I (Contributed), MIT, Cambridge, USA	30 July 2019
• TASC5/KASC12 (Contributed), MIT, Cambridge, USA	23 July 2019
• Stellar Hydro Days V (Contributed), Exeter, UK	26 June 2019
• Kepler/K2 Sci Con V (Contributed), Glendale, California, USA	7 March 2019
• MASSIVE star meeting (Contributed), Leuven, Belgium	4 Oct 2018
• PHOST conference (Contributed), Banyuls-sur-mer, France	6 Sept 2018
• TASC4/KASC11 workshop (Invited), SAC, Aarhus University, Denmark	13 July 2018
• STARS2016 conference (Contributed), Windermere, UK	14 Sept 2016
• KASC8/TASC1 workshop (Contributed), SAC, Aarhus University, Denmark	15 June 2015
• RAS specialist discussion meeting (Invited), RAS, London, UK	8 May 2015
Seminars and Colloquia	
• (Virtual) Sheffield University, UK	6 Oct 2021
KU Leuven, Belgium	1 Oct 2021
• (Virtual) Keele University, UK	19 May 2021
• (Virtual) Nicolaus Copernicus Astronomical Center, Poland	21 April 2021
• (Virtual) KITP, California, USA	16 Dec 2020
KU Leuven, Belgium	22 March 2019
Newcastle University, UK	6 June 2018
Université Libre de Bruxelles, Belgium	19 April 2018
KU Leuven, Belgium	2 March 2018
Royal Observatory of Belgium, Belgium	16 Nov 2017
• University of Central Lancashire (UCLan), UK	15 June 2016
• SAC, Aarhus University, Denmark	2 May 2016
• University of Central Lancashire (UCLan), UK	15 July 2015
Keele University, UK	4 Sept 2014

# XIII. Public Engagement and Outreach

I am passionate about public engagement and outreach in science, but particularly in astronomy. I have organised and assisted in many outreach events for school students and amateur astronomer societies in the UK and Belgium. Whilst at UCLan in the UK, this included using the modern 0.7-m telescope at Alston observatory, at which visitors were given an interactive tour of the night sky using the modern planetarium. I also visited primary and secondary schools to give talks and run astronomy-themed group activities. It is enjoyable and rewarding to engage with young students and members of the public and discuss astronomy at various levels. I am dedicated to my outreach activities throughout my career.

Notable outreach activities I have performed whilst at KU Leuven include:

- Ongoing participant of the Scientist@School program, for which I provide astronomy-themed talks and activities for local Belgian schools.
- Ongoing participant of the Skype a Scientist program, for which I regularly discuss astronomy online with international participants, including school classrooms and families.
- A series of short popular-science videos in collaboration with Huawei and Pint of Science Belgium for the "5-minute science you never knew" playlist of the 'What Makes it Tick?' YouTube channel.
- Guest lecturer in stellar physics for the Vereniging Voor Sterrenkunde Zomerschool for 30–40 students aged 16–18 in August 2017, 2018 and 2020.
- Co-author of (Dutch) article for the September 2019 issue of the popular astronomy magazine Heelal.
- Invited speaker at two Pint of Science events in Brussels on 7 and 21 May 2019, each with more than 100 attendees.
- A 90-min workshop on space exploration and the solar system at the KU Leuven Kids University 2018, for 30 students aged 8–12 on 5 May 2018.
- Workshops on Exoplanets, Habitability and Host Star Variability for the Ladies@Science 2017 event, hosted at KU Leuven for 40 students aged 14–16 on 19 April 2017.

#### XIV. Peer-Reviewed Scientific Publications

As of 5 Oct 2021, my citation metrics are:

Google scholar: 1589 citations and h-index of 25 NASA ADS: 1338 citations and h-index of 24

#### Submitted papers currently under review:

- D. M. Bowman, B. Vandenbussche, H. Sana, A. Tkachenko, G. Raskin, T. Delabie, B. Vandoren, P. Royer, S. Garcia, T. Van Reeth, and the CubeSpec collaboration (submitted to A&A), 'CubeSpec space mission. I. Asteroseismology of massive stars from time series optical spectroscopy: science requirements and target list prioritisation'
- K. Pavlovski, C. A. Hummel, A. Tkachenko, A. Derviçoğlu, C. Kayhan, R. T. Zavala, D. J. Hutter, C. Tycner, T. Şahin, J. Audenaert, R. Baeyens, J. Bodensteiner, D. M. Bowman, S. Gebruers, N. E. Jannsen, J. S. G. Mombarg, (submitted to A&A), 'Dynamical parallax, physical parameters and evolutionary status of the components of the bright eclipsing binary α Draconis'
- A. Elliott, N. D. Richardson, H. Pablo, A. F. J. Moffat, D. M. Bowman, N. Ibrahim, G. Handler, C. Lovekin, A. Popowicz, N. St-Louis, G. A. Wade, K. Zwintz, (submitted to MNRAS), 'Five years of BRITE-Constellation photometry of the prototypical luminous blue variable P Cygni: constraining the stochastic low-frequency variability'

#### Accepted papers currently in press:

- **D. M. Bowman** and M. Michielsen, (in press, A&A), 'Towards a systematic treatment of observational uncertainties in forward asteroseismic modelling of gravity-mode pulsators'
- J. Van Beeck, **D. M. Bowman**, M. G. Pedersen, T. Van Reeth, T. Van Hoolst, C. Aerts, (in press, A&A), 'Detection of nonlinear resonances among gravity modes of slowly pulsating B stars: results from five iterative prewhitening strategies'
- J. Audenaert, J. S. Kuszlewicz, R. Handberg, A. Tkachenko, D. Armstrong, M. Hon, R. Kgoadi, M. N. Lund, K. J. Bell, L. Bugnet, **D. M. Bowman**, C. Johnston, R. A. García, D. Stello, L. Molnár, E. Plachy, D. Buzasi, C. Aerts, and the T'DA collaboration, (in press, AJ), 'TESS Data for Asteroseismology (T'DA) Stellar Variability Classification Pipeline: Set-Up and Application to the Kepler Q9 Data'

#### **Published articles:**

- D. L. Holdsworth, M. S. Cunha, D. W. Kurtz, V. Antoci, D. R. Hey, D. M. Bowman, O. Kobzar, D. L. Buzasi, O. Kochukhov, E. Niemczura, D. Ozuyar, F. Shi, R. Szabó, A. Samadi-Ghadim, Zs. Bognár, L. Fox-Machado, V. Khalack, M. Lares-Martiz, C. C. Lovekin, P. Mikołajczyk, D. Mkrtichian, J. Pascual-Granado, E. Paunzen, T. Richey-Yowell, Á. Sódor, J. Sikora, T. Z. Yang, E. Brunsden, A. David-Uraz, A. Derekas, A. García Hernández, J. A. Guzik, N. Hatamkhani, R. Handberg, T. S. Lambert, P. Lampens, S. J. Murphy, R. Monier, K. R. Pollard, P. Quitral-Manosalva, A. Ramón-Ballesta, B. Smalley, I. Stateva, R. Vanderspek, (2021), MNRAS, Volume 506, Issue 1, 1073–1110, 'TESS Cycle 1 observations of roAp stars with 2-min cadence data'
- A. David-Uraz, M. E. Shultz, V. Petit, D. M. Bowman, C. Erba, R. A. Fine, C. Neiner, H. Pablo, J. Sikora, A. ud-Doula, G. A. Wade, (2021), MNRAS 504, Issue 4, 4841–4849, 'MOBSTER IV. Detection of a new magnetic B-type star from follow-up spectropolarimetric observations of photometrically selected candidates'
- D. M. Bowman, J. Hermans, J. Daszyńska-Daszkiewicz, D. L. Holdsworth, A. Tkachenko, S. J. Murphy, B. Smalley, D. W. Kurtz, (2021), MNRAS 504, Issue 3, 4039–4053 *'KIC 5950759: a high-amplitude \delta Sct star with amplitude and frequency modulation near the terminal age main sequence'*
- W. W. Weiss, K. Zwintz, R. Kuschnig, G. Handler, A. F. W. Moffat, D. Baade, **D, M. Bowman**, T. Granzer, T. Kallinger, O. F. Koudelka, C. Lovekin, C. Neiner, H. Pablo, A. Pigulski, A. Popowicz, T. Ramiaramanantsoa, S. Rucinski, K. Strassmeier, G. Wade, (2021), Universe 7, 199, 'Space Photometry with BRITE-Constellation'

- M. Michielsen, C. Aerts, **D. M. Bowman**, (2021), A&A 650, A175, 'Probing the temperature gradient in the core boundary layer of stars with gravito-inertial modes: the case of KIC 7760680'
- S. Gebruers, I. Straumit, A. Tkachenko, J. S. G. Mombarg, M. G. Pedersen, T. Van Reeth, G. Li, P. Lampens, A. Escorza, D. M. Bowman, P. De Cat, L. Vermeylen, Y. Frémat, J. Bodensteiner, H.-W. Rix, C. Aerts, (2021), A&A 650, A151, 'A homogeneous spectroscopic analysis of a Kepler legacy sample of dwarfs for gravity-mode asteroseismology'
- T. Shenar, H. Sana, P. Marchant, B. Pablo, N. Richardson, A. F. J. Moffat, T. Van Reeth, R. H. Barbá, D. M. Bowman, P. Broos, P. A. Crowther, S. Clark, A. de Koter, S. E. de Mink, K. Dsilva, G. Gräfener, I. D. Howarth, N. Langer, L. Mahy, J. Máíz Apellániz, A. M. Pollock, F. R. N. Schneider, L. Townsley, J. S. Vink, (2021), A&A 650, A147, 'The Tarantula Massive Binary Monitoring V. R 144 a wind-eclipsing binary with a total mass > 140 M<sub>\topsi</sub>'
- C. Johnston, N. Aimar, M. Abdul-Masih, D. M. Bowman, T. White, C. Hawcroft, H. Sana, S. Sekeran, K. Dsilva, A. Tkachenko, C. Aerts, (2021), MNRAS 503, Issue 1, 124–1137, 'Characterization of the variability in the O+B eclipsing binary HD 165246'
- J. Southworth, **D. M. Bowman**, K. Pavlovski, (2021), MNRAS Letters 501, Issue 1, L65-L70, 'A beta Cephei pulsator and a changing orbital inclination in the high-mass eclipsing binary system VV Orionis'
- M. G. Pedersen, C. Aerts, P. I. Pápics, M. Michielsen, S. Gebruers, T. M. Rogers, G. Molenberghs, S. Burssens, S. Garcia, **D. M. Bowman**, (2021), Nature Astronomy, Volume 5, 715–722, 'Internal mixing of rotating stars inferred from dipole gravity modes'
- T. Steindl, K. Zwintz, **D. M. Bowman**, (2021), A&A 645, A119, 'Tidally perturbed pulsations in the pre-main sequence δ Scuti binary RS Cha'

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- **D. M. Bowman**, (2020), Frontiers in Astronomy and Space Sciences 7, 70, 'Asteroseismology of high-mass stars: new insights of stellar interiors with space telescopes'
- J. Southworth, **D. M. Bowman**, A. Tkachenko, K. Pavlovski, (2020), MNRAS Letters 497, Issue 1, L19–L23, 'Discovery of β Cep pulsations in the eclipsing binary V453 Cygni'
- J. Bodensteiner, T. Shenar, L. Mahy, M. Fabry, P. Marchant, M. Abdul-Masih, G. Banyard, D. M. Bowman, K. Dsilva, A. J. Frost, C. Hawcroft, M. Reggiani, H. Sana, (2020), A&A 641, A43, 'Is HR 6819 a triple system containing a black hole? An alternative explanation'
- L. Horst, P. V. F. Edelmann, R. Andrássy, F. K. Röpke, **D. M. Bowman**, C. Aerts, R. P. Ratnasingam, (2020), A&A 641, A18, 'Fully compressible simulations of waves and core convection in main-sequence stars'
- D. M. Bowman, S. Burssens, S. Simón-Díaz, P. V. F. Edelmann, T. M. Rogers, L. Horst, F. K. Röpke, C. Aerts, (2020), A&A 640, A36, 'Photometric detection of internal gravity waves in upper main-sequence stars. II. Combined TESS photometry and high-resolution spectroscopy'
- T. Shenar, J. Bodensteiner, M. Abdul-Masih, M. Fabry, L. Mahy, P. Marchant, G. Banyard, **D. M. Bowman**, K. Dsilva, C. Hawcroft, M. Reggiani, H. Sana, (2020), A&A Letters 639, L6, *'The "hidden" companion in LB-1 unveiled by spectral disentangling'*
- S. Burssens, S. Simón-Díaz, D. M. Bowman, G. Holgado, M. Michielsen, A. de Burgos, N. Castro, R. H. Barbá, C. Aerts, (2020), A&A 639, A81, 'Variability of OB stars from TESS southern Sectors 1-13 and high-resolution IACOB and OWN spectroscopy'

- J. Van Beeck, V. Prat, T. Van Reeth, S. Mathis, **D. M. Bowman**, C. Aerts, (2020), A&A 638, A149, 'Detecting axisymmetric magnetic fields using gravity modes in intermediate-mass stars'
- A. Tkachenko, K. Pavlovski, C. Johnston, C. Aerts, M. G. Pedersen, M. Michielsen, D. M. Bowman, J. Southworth, V. Tsymbal, (2020), A&A 637, A60, 'The mass discrepancy in intermediate- and high-mass eclipsing binaries: The need for higher convective core masses'
- M. Abdul-Masih, G. Banyard, J. Bodensteiner, E. Bordier, D. M. Bowman, K. Dsilva, M. Fabry, C. Hawcroft, L. Mahy, P. Marchant, G. Raskin, M. Reggiani, T. Shenar, A. Tkachenko, H. Van Winckel, L. Vermeylen, H. Sana, (2020), Nature, Volume 580, Issue 7805, E11–E15, 'On the signature of a 70-solar-mass black hole in LB-1'
- V. Prat, S. Mathis, C. Neiner, J. Van Beeck, **D. M. Bowman**, C. Aerts, (2020), A&A 636, A100, 'Period spacings of gravity modes in rapidly rotating magnetic stars. II. The case of an oblique dipolar fossil magnetic field'

#### 2019: 4 first author and 14 co-author publications

- V. Antoci, M. Cunha, D. M. Bowman, S. J. Murphy, D. W. Kurtz, T. R. Bedding, C. Borre, S. Christophe, J. Daszyńska-Daszkiewicz, L. Fox-Machado, A. García Hernández, H. Ghasemi, R. Handberg, H. Hansen, A. Hasanzadeh, G. Houdek, C. Johnston, A. B. Justesen, F. Kahraman Alicavus, F. Kotysz, D. Latham, J. Matthews, J. Mønster, E. Niemczura, E. Paunzen, J. P. Sanchez Arias, A. Pigulski, J. Pepper, T. Richey-Yowell, H. Safari, S. Seager, B. Smalley, T. Shutt, A. Sódor, J.-C. Suárez, A. Tkachenko, T. Wu, K. Zwintz, S. Barceló Forteza, E. Brunsden, Z. Bognár, D. Buzasi, S. Chowdhury, P. De Cat, J. Evans, Z. Guo, J. A. Guzik, N. Jevtic, P. Lampens, M. Lares Martiz, C. Lovekin, G. Li, G. M. Mirouh, D. Mkrtichian, M. J. P. F. G. Monteiro, J. Nemec, R. Ouazzani, J. Pascual-Granado, D. Reese, M. Rieutord, J. R. Rodon, M. Skarka, P. Sowicka, I. Stateva, R. Szabó, W. W. Weiss, (2019), MNRAS 490, Issue 3, 4040–4059, 'The first view of δ Sct and γ Dor stars with the TESS mission'
- V. Khalack, C. Lovekin, D. M. Bowman, O. Kobzar, A. David-Uraz, E. Paunzen, J. Sikora, P. Lenz, O. Kochukhov, D. L. Holdsworth, G. A. Wade, (2019), MNRAS 490, Issue 2, 2102–2111, 'Rotational and pulsational variability in the TESS light curve of HD 27463'
- S. Burssens, **D. M. Bowman**, C. Aerts, M. G. Pedersen, E. Moravveji, B. Buysschaert, (2019), MNRAS 489, Issue 1, 1304–1320, 'New β Cep pulsators discovered with K2 space photometry'
- B. J. S. Pope, G. R. Davies, K. Hawkins, T. R. White, A. Stokholm, A. Bieryla, D. W. Latham, M. Lucey, C. Aerts, S. Aigrain, V. Antoci, T. R. Bedding, D. M. Bowman, A. Chontos, G. A. Esquerdo, D. Huber, P. Jofré, S. J. Murphy, T. Van Reeth, V. Silva Aguirre, J. Yu, (2019), ApJS 244, Issue 1, 18, 'The Kepler Smear Campaign: Light curves for 102 Very Bright Stars'
- D. M. Bowman, C. Johnston, A. Tkachenko, D. Mkrtichian, K. Gunsriwiwat, C. Aerts, (2019), ApJL 883, Issue 1, L26, 'Discovery of tidally-perturbed pulsations in the eclipsing binary system U Gru: a crucial system for tidal asteroseismology'
- D. M. Bowman and D. L. Holdsworth, (2019), A&A 629, A21, 'Adaptive elliptical aperture photometry: a software package for high-cadence ground-based photometry. I. Application to rapid oscillators observed from SAAO'
- J. Sikora, A. David-Uraz, S. Chowdhury, D. M. Bowman, G. A. Wade, V. Khalack, O. Kobzar, O. Kochukhov, C. Neiner, E. Paunzen, (2019), MNRAS 487, Issue 4, 4695–4710, 'MOBSTER II. Identification of rotationally variable A stars observed with TESS in sectors 1–4'
- M. S. Cunha, V. Antoci, D. L. Holdsworth, D. W. Kurtz, L. A. Balona, Zs. Bognár, D. M. Bowman, Z. Guo, P. P. A. Kolaczek-Szymański, M. Lares-Martiz, E. Paunzen, M. Skarka, B. Smalley, Á. Sódor, O. Kochukhov, T. R. Bedding, D. L. Buzasi, L. Fox-Machado, A. Hasanzadeh, E. Niemczura, P. Quitral-Manosalva, I. Stateva, P. De Cat, A. García Hernández, H. Ghasemi, G. Handler, J. M. Matthews, M. J. P. F. G. Monteiro, J. M. Nemec, J. Pascual-Granado, H. Safari, J. C. Suárez, R. Szabó, A. Tkachenko, W. W. Weiss, (2019), MNRAS 487, Issue 3, 3523–3549, 'Rotation and pulsation in Ap stars: first light results from TESS sectors 1 and 2'

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- P. V. F. Edelmann, R. P. Ratnasingam, M. G. Pedersen, **D. M. Bowman**, V. Prat, T. M. Rogers, (2019), ApJ 876, Issue 1, 4–24, 'Three-dimensional simulations of massive stars I. wave generation and propagation'
- G. Handler, A. Pigulski, J. Daszyńska-Daszkiewicz, A. Irrgang, D. Kilkenny, Z. Guo, N. Przybilla, F. Kahraman Aliçavuş, T. Kallinger, J. Pascual-Granado, E. Niemczura, T. Różański, S. Chowdhury, D. L. Buzasi, G. M. Mirouh, D. M. Bowman, C. Johnston, M. G. Pedersen, S. Simón-Díaz, E. Moravveji, K. Gazeas, P. De Cat, R. K. Vanderspek, G. R. Ricker, (2019), ApJL 873, Issue 1, L4, 'Asteroseismology of massive stars with the TESS mission: the runaway β Cep pulsator PHL 346 = HN Aqr'
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- C. Johnston, A. Tkachenko, C. Aerts, G. Molenberghs, **D. M. Bowman**, M. G. Pedersen, B. Buysschaert, P. I. Pápics, (2019), MNRAS 482, Issue 1, 1231–1246, *'Binary Asteroseismic Modelling: isochrone-cloud methodology and application to Kepler gravity mode pulsators'*
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- D. L. Holdsworth, M. S. Cunha, H. Shibahashi, D. W. Kurtz, **D. M. Bowman**, (2018), MNRAS 480, Issue 3, 2976–2984, 'K2 observations of the rapidly oscillating Ap star 33 Lib (HD 137949): new frequencies and unique non-linear interactions'
- D. L. Holdsworth, H. Saio, R. R. Sefako, **D. M. Bowman**, (2018), MNRAS 480, Issue 2, 2405–2410, 'LCO observations of a super-critical distorted pulsation in the roAp star J0855 (TYC 2488-1241-1)'
- T. Van Reeth, J. S. G. Mombarg, S. Mathis, A. Tkachenko, J. Fuller, **D. M. Bowman**, B. Buysschaert, C. Johnston, A. García Hernández, J. Goldstein, R. H. D. Townsend, C. Aerts, (2018), A&A 618, A24, *'Sensitivity of gravito-inertial modes to differential rotation in intermediate-mass main-sequence stars'*
- B. Buysschaert, C. Neiner, A. J. Martin, C. Aerts, D. M. Bowman, M. E. Oksala, T. Van Reeth, (2018), MNRAS 478, Issue 2, 2777–2793, 'Detection of magnetic fields in chemically peculiar stars observed with the K2 space mission'

- B. Buysschaert, C. Aerts, D. M. Bowman, C. Johnston, T. Van Reeth, M. G. Pedersen, C. Neiner, (2018),
   A&A 616, A77, 'Forward seismic modeling of the pulsating magnetic B-type star HD 43317'
- D. M. Bowman, B. Buysschaert, C. Neiner, P. I. Pápics, M. E. Oksala, C. Aerts, (2018), A&A 616, A77, 'K2 space photometry reveals rotational modulation and stellar pulsations in chemically peculiar A and B stars'
- C. Aerts, G. Molenberghs, M. Michielsen, M. G. Pedersen, R. Björklund, C. Johnston, J. S. G. Mombarg,
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   T. Van Reeth, E. Vermeyen, (2018), ApJS 237, 15–46, 'Forward asteroseismic modeling of stars with a convective core from gravity-mode oscillations: parameter estimation and stellar model selection'
- **D. M. Bowman** and D. W. Kurtz, (2018), MNRAS 476, Issue 3, 3169–3184, 'Characterizing the observational properties of  $\delta$  Sct stars in the era of space photometry from the Kepler mission'
- C. Aerts, D. M. Bowman, S. Simón-Díaz, B. Buysschaert, C. Johnston, E. Moravveji, P. G. Beck, P. De Cat, S. Triana, S. Aigrain, N. Castro, D. Huber, T. White, (2018), MNRAS 476, Issue 1, 1234–1241, 'K2 photometry and HERMES spectroscopy of the blue supergiant ρ Leo: rotational wind modulation and low-frequency waves'
- D. L. Holdsworth, H. Saio, **D. M. Bowman**, D. W. Kurtz, R. R. Sefako, M. Joyce, T. Lambert, B. Smalley, (2018), MNRAS 476, Issue 1, 601–616, *'Suppressed phase variations in a high amplitude rapidly oscillating Ap star pulsating in a distorted quadrupole mode'*

## **2016:** 1 first author and 1 co-author publications

- **D. M. Bowman**, D. W. Kurtz, M. Breger, S. J. Murphy, D. L. Holdsworth, (2016), MNRAS 460, Issue 2, 1970–1989, 'Amplitude modulation in  $\delta$  Sct stars: statistics from an ensemble study of Kepler targets'
- D. W. Kurtz, **D. M. Bowman**, S. J. Ebo, P. Moskalik, R. Handberg, M. N. Lund, (2016), MNRAS 455, Issue 2, 1237–1245, *'EPIC 201585823, a rare triple-mode RR Lyrae star discovered in K2 mission data'*

#### **2015:** 1 first author and 2 co-author publications

- D. W. Kurtz, H. Shibahashi, S. J. Murphy, T. R. Bedding, **D. M. Bowman**, (2015), MNRAS 450, Issue 3, 3015–3029, 'A unifying explanation of complex frequency spectra of  $\gamma$  Dor, SPB and Be stars: combination frequencies and highly non-sinusoidal light curves'
- E. Niemczura, S. J. Murphy, B. Smalley, K. Uytterhoeven, A. Pigulski, H. Lehmann, D. M. Bowman, G. Catanzaro, E. van Aarle, S. Bloemen, M. Briquet, P. De Cat, D. Drobek, L. Eyer, J. F. S. Gameiro, N. Gorlova, K. Kamiński, P. Lampens, P. Marcos-Arenal, P. I. Pápics, B. Vandenbussche, H. Van Winckel, M. Stęślicki, M. Fagas, (2015), MNRAS 450, Issue 3, 2764–2783, 'Spectroscopic survey of Kepler stars. I. HERMES/Mercator observations of A- and F-type stars'
- D. M. Bowman, D. L. Holdsworth, D. W. Kurtz, (2015), MNRAS 449, Issue 1, 1004–1010, 'Combining WASP and Kepler data: the case of the  $\delta$  Sct star KIC 7106205'

#### **2014:** 1 first author publication

• **D. M. Bowman** and D. W. Kurtz, (2014), MNRAS 444, Issue 2, 1909–1918, 'Pulsational frequency and amplitude modulation in the  $\delta$  Sct star KIC 7106205'

# XV. Monographs and Book Chapters

• D. M. Bowman, (2017), Springer Theses, Springer International Publishing AG (Springer Nature), 'Amplitude Modulation of Pulsation Modes in Delta Scuti Stars', DOI: 10.1007/978-3-319-66649-5, ISBN: 978-3-319-66648-8

## XVI. Thesis

• D. M. Bowman, (2016), PhD Thesis, Jeremiah Horrocks Institute, University of Central Lancashire, UK, 'Amplitude modulation and energy conservation of pulsation modes in delta Scuti stars', URL: http://clok.uclan.ac.uk/18788/

# **XVII.** Conference Proceedings

- **D. M. Bowman**, (2021), 'A review of recent asteroseismology results from the KU Leuven team', Proceedings of the conference BRITE-related science Meeting, held 12 July 2021 (virtually) in Innsbruck, Austria.
- A. J. Frost, L. Mahy, H. Sana, R. H. Barba, J. Barron, D. M. Bowman, M. Fabry, J.-B. Le Bouquin, N. I. Morrell, P. Marchant, A. Merand, M. Munoz, F. R. N. Schneider, T. Shenar, G. Wade, (2021), 'Observational evidence of coalescence as a viable cause of magnetism in massive stars', Proceedings of the conference OBA Stars: Variability and Magnetic Fields, held 26-30 April 2021 (virtually) in St. Petersburg, Russia, id.19.
- D. M. Bowman, (2021), 'Asteroseismology of massive stars: new insights of stellar interiors from their pulsations', Proceedings of the conference OBA Stars: Variability and Magnetic Fields, held 26-30 April 2021 (virtually) in St. Petersburg, Russia.
- J. Barron, G. A. Wade, D. M. Bowman, A. David-Uraz, S. Simón-Díaz and the MOBSTER Collaboration, (2020), 'MOBSTER: Identifying Candidate Magnetic O Stars through Rotational Modulation of TESS Photometry', Stellar Magnetism: A Workshop in Honour of the Career and Contributions of John D. Landstreet, held 8-11 July 2019 in London, Canada. Edited by G. Wade, E. Alecian, D. Bohlender, A. Sigut. Proceedings of the Polish Astronomical Society, Vol. 11. ISBN: 978-83-950430-9-3, pp. 226-235.
- A. David-Uraz, C. Neiner, J. Sikora, D. M. Bowman, P. Cerrahoglu, D. H. Cohen, C. Erba, O. Kobzar, V. Petit, A. ud-Doula, G. A. Wade and the MOBSTER Collaboration, (2020), 'MOBSTER: Establishing a Picture of Magnetic Massive Stars as a Population', Stellar Magnetism: A Workshop in Honour of the Career and Contributions of John D. Landstreet, held 8-11 July 2019 in London, Canada. Edited by G. Wade, E. Alecian, D. Bohlender, A. Sigut. Proceedings of the Polish Astronomical Society, Vol. 11. ISBN: 978-83-950430-9-3, pp. 219-225.
- O. Kobzar, V. Khalack, D. Bohlender, A. David-Uraz, P. Kashko, D. M. Bowman, C. Lovekin, D. Tvardovskyi, M.Perron-Cormier, E. Paunzen, J. Sikora, P. Lampens and O. Richard, (2020), 'Study of slowly rotating CP stars observed with TESS', Stellar Magnetism: A Workshop in Honour of the Career and Contributions of John D. Landstreet, held 8-11 July 2019 in London, Canada. Edited by G. Wade, E. Alecian, D. Bohlender, A. Sigut. Proceedings of the Polish Astronomical Society, Vol. 11. ISBN: 978-83-950430-9-3, pp. 214-218.
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- A. David-Uraz, C. Neiner, J. Sikora, D. M. Bowman, P. Cerrahoglu, D. H. Cohen, C. Erba, O. Kobzar, V. Petit, A. ud-Doula, G. A. Wade and the MOBSTER Collaboration, (2020), 'Magnetic OB[A] stars with TESS: probing their evolutionary and rotational properties the MOBSTER collaboration', Proceedings of the conference 'Stars and their Variability Observed from Space', held in Vienna on August 19-23, 2019. Eds.: C. Neiner, W. W. Weiss, D. Baade, R. E. Griffin, C. C. Lovekin, A. F. J. Moffat. University of Vienna, 2020, pp.471-474
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- D. M. Bowman, D. W. Kurtz, M. Breger, S. J. Murphy, D. L. Holdsworth, (2017), 'Amplitude modulation in δ Sct stars: statistics from an ensemble of Kepler targets', EPJ Web of Conferences, Volume 160, id.03008, Seismology of the Sun and the Distant Stars Using Today's Successes to Prepare the Future TASC2 & KASC9 Workshop SPACEINN & HELAS8 Conference, Azores Islands, Portugal. Edited by M. J. P. F. G. Monteiro, M. S. Cunha, J. M. T. S. Ferreira.
- D. M. Bowman and D. W. Kurtz, (2015), 'Amplitude Modulation in the δ Sct star KIC 7106205', EPJ Web of Conferences, Volume 101, id.06013, The Space Photometry Revolution CoRoT Symposium 3, Kepler KASC-7 Joint Meeting, Toulouse, France. Edited by R. A. García, J. Ballot.

### XVIII. Varia

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