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EDUCATION	University of Sydney , NSW, Australia, PhD, astrophysics	Oct 2019 – Present
	Beijing Normal University , Beijing, China <i>Master of Science</i> , Astrophysics	Sep 2017 – Sep 2019
	<i>Bachelor of Science</i> , Astronomy	Sep 2013 – Sep 2017

PUBLICATIONS **First-author primary publications:**

Yaguang Li, Timothy R. Bedding, Simon J. Murphy, Dennis Stello, et al. *Discovery of post-mass-transfer helium-burning red giants using asteroseismology*. *Nature Astronomy* 6, 2022, pp. 673–680.

Yaguang Li, Timothy R. Bedding, Dennis Stello, Daniel Huber, et al. *A prescription for the asteroseismic surface correction*. *Mon. Not. R. Astron. Soc.* submitted, arXiv:2208.01176, 2022.

Yaguang Li, Timothy R. Bedding, Dennis Stello, Sanjib Sharma, et al. *Testing the intrinsic scatter of the asteroseismic scaling relations with Kepler red giants*. *Mon. Not. R. Astron. Soc.* 501.3, 2021, pp. 3162–3172.

Yaguang Li, Timothy R. Bedding, Tanda Li, Shaolan Bi, et al. *Asteroseismology of 36 Kepler subgiants - I. Oscillation frequencies, linewidths, and amplitudes*. *Mon. Not. R. Astron. Soc.* 495.2, 2020, pp. 2363–2386.

Yaguang Li, Timothy R. Bedding, Tanda Li, Shaolan Bi, et al. *Asteroseismology of KIC 7107778: a binary comprising almost identical subgiants*. *Mon. Not. R. Astron. Soc.* 476.1, 2018, pp. 470–481.

Publications for which I contributed to data analysis:

Tanda Li, **Yaguang Li**, Shaolan Bi, Timothy R. Bedding, et al. *Asteroseismology of 3642 Kepler Red Giants: Correcting the Scaling Relations Based on Detailed Modeling*. *Astrophys. J.* 927.2, 167, 2022, p. 167.

Xianfei Zhang, C. Simon Jeffery, **Yaguang Li**, and Shaolan Bi. *Population Synthesis of Helium White Dwarf-Red Giant Star Mergers and the Formation of Lithium-rich Giants and Carbon Stars*. *Astrophys. J.* 889.1, 33, 2020, p. 33.

Jinghua Zhang, Shaolan Bi, **Yaguang Li**, Jie Jiang, et al. *Magnetic Activity of F-, G-, and K-type Stars in the LAMOST-Kepler Field*. *Astrophys. J. Suppl. Ser.* 247.1, 9, 2020, p. 9.

Hong-Liang Yan, Yu-Tao Zhou, Xianfei Zhang, **Yaguang Li**, et al. *Most lithium-rich low-mass evolved stars revealed as red clump stars by asteroseismology and spectroscopy*. *Nature Astronomy* 5, 2021, pp. 86–93.

Jinghua Zhang, Jian-Rong Shi, Hong-Liang Yan, **Yaguang Li**, et al. *Lithium Evolution of Giant Stars Observed by LAMOST and Kepler*. *Astrophys. J.* 919.1, L3, 2021, p. L3.

Emily Hatt, Martin B. Nielsen, William J. Chaplin, Warrick H. Ball, et al. *A Catalogue of Solar-Like Oscillators Observed by TESS in 120-second and 20-second Cadence*. arXiv e-prints, arXiv:2210.09109, 2022, arXiv:2210.09109.

Mathieu Vrad, Marc Pinsonneault, Marc Hon, James Kuszlewicz, **et al.** *Precise seismology with TESS CVZ data*. Posters from the TESS Science Conference II (TSC2). 2021, p. 141.

Yixiao Zhou, Thomas Nordlander, Luca Casagrande, Meridith Joyce, **et al.** *The relationship between photometric and spectroscopic oscillation amplitudes from 3D stellar atmosphere simulations*. Mon. Not. R. Astron. Soc. 503.1, 2021, pp. 13–27.

Tanda Li, Timothy R. Bedding, Jørgen Christensen-Dalsgaard, Dennis Stello, **et al.** *Asteroseismology of 36 Kepler subgiants - II. Determining ages from detailed modelling*. Mon. Not. R. Astron. Soc. 495.3, 2020, pp. 3431–3462.

Timothy R. Bedding, Simon J. Murphy, Daniel R. Hey, Daniel Huber, **et al.** *Very regular high-frequency pulsation modes in young intermediate-mass stars*. Nature 581.7807, 2020, pp. 147–151.

Jinghua Zhang, Alexander I. Shapiro, Shaolan Bi, Maosheng Xiang, **et al.** *Solar-type Stars Observed by LAMOST and Kepler*. Astrophys. J. 894.1, L11, 2020, p. L11.

Publications for which I contributed to theoretical modelling:

Simon J. Murphy, Timothy R. Bedding, Timothy R. White, **Yaguang Li**, et al. *Five young δ Scuti stars in the Pleiades seen with Kepler/K2*. Mon. Not. R. Astron. Soc. 511.4, 2022, pp. 5718–5729.

Minghao Du, Shaolan Bi, Xianfei Zhang, **Yaguang Li**, et al. *Mode angular degree identification in subgiant stars with convolutional neural networks based on power spectrum*. Mon. Not. R. Astron. Soc. 501.1, 2021, pp. 614–622.

Publications for which I contributed to concepts and writing:

Jian Ge, Hui Zhang, Weicheng Zang, Hongping Deng, **et al.** *ET White Paper: To Find the First Earth 2.0*. arXiv e-prints, arXiv:2206.06693, 2022, arXiv:2206.06693.

TEACHING	Tutor (demo tutorials), Astronomy OLE1636-40	Sydney, Sep 2021–Nov 2022
	Exoplanets, Stars and the Universe	
	Tutor (lead tutorials), Business BUSS6002	Sydney, Sep 2021–Nov 2022
	Data Science in Business	
	Tutor (lead tutorials), Business QBUS6600	Sydney, Aug 2022–Nov 2022
	Data Analytics for Business Capstone	
	Tutor (lead tutorials), Business QBUS5010	Sydney, Aug 2022–Nov 2022
	Dashboard and Data Visualisation	
	TA (mark & consult), Physics lectures	Beijing, Sep 2017–Jun 2018
	Mathematical Methods for Physicist I and II	
PROPOSALS	Sydney HPC Allocation Scheme 2022 Round 2 , Co-I, 300K CPU hr	2022
	Sydney HPC Allocation Scheme 2022 Round 1 , Co-I, 270K CPU hr	2022
	NCI Adapter Allocation Scheme Q3 , Co-I, 125K CPU hr	2022
	NCI Adapter Allocation Scheme Q3 , Co-I, 125K CPU hr	2022
	Keck HIRES , Co-I, 1 night	2022
TALKS	Good Vibrations Siminar , online	Nov 2022
	Scheduled invited talk: probing stellar interior with asteroseismology.	
	TASC6/KASC13 Workshop , Leuven, Belgium	Jul 2022
	Contributed talk: fantastic binaries and where to find them.	

MW-Gaia Workshop , Aarhus, Denmark	Jun 2022
Contributed talk: how well do we know the scaling relations?	
8th Iberian Meeting on Asteroseismology , online	Oct 2021
Contributed talk: testing the asteroseismic scaling relations.	
ICRAR's Weekly Seminar, Curtin University , Perth, Australia	Jun 2021
Contributed talk: asteroseismology of red giants.	

**HONORS &
AWARDS**

Postgraduate Research Support Scheme , U Sydney	Jun 2022
Research Training Program International Scholarship , U Sydney	Mar 2021
Faculty of Science Dean's International Scholarship , U Sydney	Oct 2019
National Graduate Scholarship , China	Dec 2018
National Undergraduate Scholarship , China	Dec 2016
Outstanding Dissertation Awards , BNU	Jun 2017
First-class Scholarship , BNU	Dec 2016
Creative Undergraduate Research Fund , BNU	Jun 2015