

# ZEFENG LI

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## EDUCATION & EMPLOYMENT

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**Ph.D., Astronomy & Astrophysics, Australian National University** Oct 2019 - present  
Advisor: Dr. Mark Krumholz & Dr. Emily Wisnioski ACT, Australia

**Cloudwalk Technology** Oct 2018 - May 2019  
Algorithm Engineer on Optical Character Recognition (OCR, see [the arXiv paper](#)) Shanghai, China

**B.S., Astronomy, Peking University** Sept 2013 - Jul 2017  
Advisor: Dr. Xue-Bing Wu Beijing, China

## VISITING EXPERIENCES

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**Undergraduate Visiting Research, University of Arizona** Mar 2016 - Jul 2016  
Advisor: Dr. Ian McGreer & Dr. Xiaohui Fan Tucson, United States

**Summer Research, Australian National University** Oct 2017 - Jan 2018  
Advisor: Dr. Christian Wolf & Dr. Fuyan Bian ACT, Australia

## AWARDS

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Summer Research Scholarship, Oct, 2017  
Weiming Scholarship for outstanding thesis, Peking University Jul, 2017  
Lin-Qiao Scholarship for undergraduate research, Peking University Oct, 2016  
Shenkeqi Scholarship, Peking University Sept, 2014

## CONFERENCES & TALKS

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E-poster presentation, KIAA Forum on Gas in Galaxies Nov, 2021  
E-poster presentation, MOS-Galaxy STScI workshop May, 2021  
Oral talks, Annual Conference of the Chinese Astronomical Society Nov, 2016

## PROFESSIONAL EXPERIENCES

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Multiple Mirror Telescope: 5 nights  
Bok Telescope: 14 nights  
Siding Spring 2.3m Telescope: 4 nights  
Programming: Python and C (see [my Github homepage](#))

## PUBLICATIONS

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All the published papers can be found in [my ORCID homepage](#), among which the astronomy-related refereed papers can be found in [the ADS library](#) (h-index = 7).

### First-author:

- **Li, Z.**, Krumholz, M. R., Wisnioski, E., Mendel, J. T., Kewley, L. J., Sánchez, S. F., Galbany, L. 2021, [MNRAS](#), 504, 5496  
*Detection of metallicity correlations in 100 nearby galaxies*
- **Li, Z.**, McGreer, I. D., Wu, X.-B., Fan, X., Yang, Q. 2018, [ApJ](#), 861, 6  
*The Ensemble Photometric Variability of Over  $10^5$  Quasars in the Dark Energy Camera Legacy Survey and the Sloan Digital Sky Survey*

### Co-author:

- Di, Y., **Li, Z.**, Amelin, Y. 2021, [Journal of Analytical Atomic Spectrometry](#), 36: 1489-1502
- Kinemuchi, K. + 18 authors + **Li, Z.** + 11 authors 2020, [ApJS](#), 250, 10
- Di, Y., Tian, W., Chen, M., **Li, Z.**, Chu, Z., Liang, J. 2020, [American Mineralogist](#), 105 (2): 149-161
- Wolf, C. + 5 authors + **Li, Z.** + 2 authors 2020, [MNRAS](#), 491, 1970
- Grier, C. J. + 22 authors + **Li, Z.** + 10 authors 2019, [ApJ](#), 887, 1
- Zou, H. + 25 authors + **Li, Z.** + 21 authors 2019, [ApJS](#), 245, 4
- Shen, Y. + 23 authors + **Li, Z.** + 10 authors 2019, [ApJ](#), 883, 14
- Zou, H. + 15 authors + **Li, Z.** + 11 authors 2017, [AJ](#), 153, 276
- Wang, F. + 7 authors + **Li, Z.** + 13 authors 2017, [ApJ](#), 839, 27
- Yang, J., + 11 authors + **Li, Z.**, + 3 authors 2017, [AJ](#), 153, 184