

# XIN WANG

## Personal Information

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CURRENT STATUS: Postdoctoral Scholar at Caltech/IPAC  
EMAIL, PHONE, WEB: [wangxin@ipac.caltech.edu](mailto:wangxin@ipac.caltech.edu) | +1-805-574-0025 | <http://www.astro.ucla.edu/~xwang>  
MAILING ADDRESS: Infrared Processing and Analysis Center, Mail Code 314-6, Caltech  
1200 East California Boulevard, Pasadena, CA 91125, USA

## Education and Employment

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AUG. 2019– PRESENT	Infrared Processing and Analysis Center, Caltech   <b>Postdoctoral Scholar</b> Expertise: Space-based Slitless Spectroscopy, HST WFC3/UVIS Imaging
SEPT. 2015–	Department of Physics and Astronomy, University of California, Los Angeles <b>Ph.D. in Astronomy &amp; Astrophysics</b>
JUN. 2019	Field of Interest: Spatially Resolved Spectroscopy, Chemical Evolution of Galaxies, Extragalactic Nebular Emission, Strong Gravitational Lensing.
SEPT. 2013– JUN. 2015	Physics Department, University of California, Santa Barbara   <b>M.A. in Physics</b> Graduate Course Cumulative GPA: 3.96
SEPT. 2010– JUN. 2013	School of Astronomy and Space Sciences, Nanjing University   <b>M.Sc. in Astrophysics</b> Field of Interest: Precision Cosmology, Galaxy Clusters, Gamma-ray Bursts.
SEPT. 2006– JUN. 2010	Department of Astronomy, Nanjing University   <b>B.Sc. in Astronomy</b> Weighted Average Score: 84.64/100 (overall), 87.68/100 (major); Ranking: 2 <sup>nd</sup> /26

## Awards and Honors

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JAN. 2019	Chinese Government Award for Outstanding Graduate Students Abroad (\$6k)
DEC. 2018	UCLA Doctoral Student Travel Grant (\$1k)
JUL. 2018	UCLA Richardson Travel Fund (\$1.7k)
JUN. 2018	UCLA Dissertation Year Fellowship (\$47k: stipend+tuition)
MAY 2018	Rudnick-Abelmann Fellowship, UCLA (\$2k)
APR. 2018	IAU grant for participating the XXXth General Assembly (€0.75k)
APR. 2018	AAS International Travel Grant (\$2k)
APR. 2015	AAS International Travel Grant (\$1k)
JUN. 2014	1 <sup>st</sup> Prize for Excellent M.Sc. Thesis amongst all Universities and Colleges in Jiangsu Province
SEPT. 2013	Broida Fellowship, UCSB (\$3k)
DEC. 2012	National Scholarship for Graduate Students (~\$4k) <i>The highest honorific scholarship in China conferred annually on excellent graduate students.</i>
AUG. 2010	1 <sup>st</sup> Prize for Excellent B.Sc. Thesis amongst all Universities and Colleges in Jiangsu Province
OCT. 2009	Scholarship of National Astronomical Observatories, Chinese Academy of Sciences

## Talks and Colloquia

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NOV. 2018	<b>Colloquium talk</b> @ Carnegie Observatories, Pasadena, CA
OCT. 2018	<b>Colloquium talk</b> @ Caltech, Pasadena, CA
AUG. 2018	<b>Contributed talk</b> , @ <b>Focus Meeting 7 at the XXXth IAU General Assembly</b> , Vienna, Austria
JUL. 2018	<b>Invited talk</b> , @ University of Science and Technology of China, Hefei
JUN. 2018	<b>Contributed talk with conference fellowship</b> , @ <b>KIAA Forum on Gas in Galaxies</b> , Beijing, China
MAY 2018	<b>Invited talk</b> , @ 2018 Nanjing University Youth Forum, Nanjing, China
FEB. 2018	<b>Colloquium talk</b> , @ IPAC, Caltech, Pasadena, CA
JAN. 2018	<b>Colloquium talk</b> , @ Carnegie Observatories, Pasadena, CA
SEPT. 2017	<b>Invited talk</b> , @ Tsinghua University, Beijing

SEPT. 2017	<b>Invited talk</b> , @ Nanjing University, Nanjing
SEPT. 2017	<b>Invited talk</b> , @ Shanghai Jiao Tong University, Shanghai
AUG. 2017	<b>Contributed talk</b> , @ <a href="#">Shedding Light on the Dark Universe with Extremely Large Telescopes</a> , Lanzhou, China
JUN. 2017	<b>Contributed talk</b> , @ <a href="#">Special Session 11 at European Week of Astronomy and Space Science</a> , Prague, Czech Republic
JAN. 2017	<b>Colloquium talk</b> , @ Steward Observatory, University of Arizona, Tucson, AZ
AUG. 2016	<b>Colloquium talk</b> , @ Department of Astronomy, University of Michigan, Ann Arbor, MI
JUL. 2016	<b>Invited talk</b> , @ Tsinghua University, Beijing
JUN. 2016	<b>Invited talk</b> , @ Purple Mountain Observatory, Nanjing
JUN. 2016	<b>Invited talk</b> , @ National Astronomical Observatories of China, Beijing
AUG. 2015	<b>Contributed talk</b> , @ <a href="#">Focus Meeting 22 at the XXIXth IAU General Assembly</a> , Honolulu, HI
NOV. 2012	<b>Contributed talk</b> , @ <a href="#">Tsinghua Transient Workshop 2012</a> , Tsinghua University, Beijing
JUN. 2010	<b>Contributed talk</b> , @ <a href="#">A mini-workshop on “Gamma-ray Sky from Fermi: Neutron Stars and their Environment”</a> , Hong Kong, China
APR. 2009	<b>Contributed talk</b> , @ <a href="#">Frontiers of Space Astrophysics: Neutron Stars &amp; Gamma Ray Bursts — Recent Developments &amp; Future Directions</a> , Cairo & Alexandria, Egypt

### Approved Proposals (CoI)

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- 1 JWST-ERS-1324, PI Treu: Through the Looking GLASS: A JWST Exploration of Galaxy Formation and Evolution from Cosmic Dawn to Present Day
  - 2 HST-14922, PI Kelly: Probing the Nature of Dark Matter with Individual Stars Highly Magnified by a Galaxy Cluster
  - 3 HST-14280, PI Bradac: Breaking Cosmic Dawn: Observing the  $z > 7$  Universe Through Cosmic Telescopes
  - 4 VLT-0101.B-0418(A), PI Sanchez-Janssen: Chemodynamics of lensed dwarf galaxies at  $1 \lesssim z \lesssim 2$
  - 5 Keck, PI Jones: Dissecting Galaxy Formation and Testing Feedback Models on 100 pc Scales: An OSIRIS Survey of Lensed Galaxies at  $z \simeq 2$

### Observing Experience

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- Keck OSIRIS, 14 nights
  - Keck DEIMOS, 3 nights
  - Keck MOSFIRE, 1 night
  - Keck ESI, 1 night
  - Lick Observatory Shane telescope, 1 night
  - Steward Observatory Bok telescope, 6 nights

### Professional Service

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- Referee for *Astrophysical Journal*, *Astrophysical Journal Supplement Series*
  - External Reviewer for Chinese Telescope Access Program TAC
  - Participant in the inaugural [JWST Master Class](#)
  - Organizer of Treu Group Meetings, UCSB & UCLA
  - Organizer of Graduate Journal Club in School of Astronomy and Space Sciences, NJU

### Teaching Experience

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MAR.–JUN. 2014	Teaching assistant of <i>Physics 3: Basic Physics</i> , University of California, Santa Barbara
SEPT.–DEC. 2013	Teaching assistant of <i>Physics 6 Lab</i> , University of California, Santa Barbara
SEPT.–DEC. 2010	Teaching assistant of <i>Theoretical Astrophysics</i> (upper division undergraduate course), NJU

### Working Experience and Outreach Activities

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2015–2017	Demonstrator of Astronomy experiments to local K12 schools in Los Angeles
2015–2017	Volunteer in the annual EXPLORING YOUR UNIVERSE! events, UCLA
2010–2012	President of Graduate Student Union in School of Astronomy and Space Sciences, NJU

### Computer Skills

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Python, IDL, MATLAB, FORTRAN, C,  $\text{\LaTeX}$ , vim, Github, Mathematica