

# XIN WANG

## Personal Information

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CURRENT STATUS: Associate Professor at University of Chinese Academy of Sciences  
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## Education and Employment

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SEPT. 2022– PRESENT	School of Astronomy and Space Science, University of Chinese Academy of Sciences <b>Associate Professor</b>
AUG. 2019– AUG. 2022	Infrared Processing and Analysis Center, Caltech <b>Postdoctoral Research Associate</b>
SEPT. 2015– JUN. 2019	Department of Physics and Astronomy, University of California, Los Angeles <b>Ph.D. in Astronomy &amp; Astrophysics</b>
SEPT. 2013– JUN. 2015	Physics Department, University of California, Santa Barbara <b>Master of Arts in Physics</b>
SEPT. 2010– JUN. 2013	School of Astronomy and Space Sciences, Nanjing University <b>Master of Science in Astrophysics</b>
SEPT. 2006– JUN. 2010	Department of Astronomy, Nanjing University <b>Bachelor of Science in Astronomy</b>

## Awards and Honors

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AUG. 2024	ACAMAR visiting fellow, Swinburne University of Technology, Melbourne, Australia
MAR. 2024	Xiaomi Young Scholar, University of Chinese Academy of Sciences
SEPT. 2023	Lingyan Gold Medal, University of Chinese Academy of Sciences
MAR. 2020	Kavli Visiting Fellow, Peking University
JUN. 2019	UCLA Physics and Astronomy Commencement Speaker
JUN. 2018	UCLA Dissertation Year Fellowship (\$47k: stipend+tuition)
APR. 2018	IAU grant for participating the XXXth General Assembly (€0.75k)
APR. 2018	AAS International Travel Grant (\$2k)

## Talks and Colloquia

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DEC. 2024	<b>Invited colloquium</b> , @ Zhejiang Lab
NOV. 2024	<b>Invited talk</b> , @ 2024 Chinese-American Kavli Frontiers of Science, Beijing
NOV. 2024	<b>Invited talk</b> , @ <a href="#">CSST Galaxy and Cosmology Conference</a> @ Suzhou
OCT. 2024	<b>Invited talk</b> , @ <a href="#">2024 Chinese Astronomical Society GA</a> @ Hangzhou
SEP. 2024	<b>Invited talk</b> , @ <a href="#">2024 Lensing Conference</a> @ Jiexiu
JUL. 2024	<b>Invited lecture</b> , @ NAOC Galaxy Cluster Summer School
JUL. 2024	<b>Invited lecture</b> , @ PKU CSST Summer School
JUN. 2024	<b>Invited lecture</b> , @ <a href="#">COSPAR/IAU Workshop on JWST</a> , Chiangmai, Thailand
JUN. 2024	<b>Invited colloquium</b> , @ SWIFAR, Yunnan University
MAY 2024	<b>Invited colloquium</b> , @ PKU
MAY 2024	<b>Invited talk</b> , @ 26th Guoshoujing Meeting @ Suzhou
APR. 2024	<b>Invited talk</b> , @ <a href="#">Co-evolution of galactic eco-systems and their large-scale environments</a> , Hangzhou
DEC. 2023	<b>Invited colloquium</b> , @ University of Science and Technology of China, Hefei
JUN. 2023	<b>Invited colloquium</b> , @ Shanghai Astronomical Observatories, Shanghai
JUN. 2023	<b>Invited colloquium</b> , @ Shanghai Jiao Tong University, Shanghai
APR. 2023	<b>Invited colloquium</b> , @ Xiamen University, Xiamen

JAN. 2023 | **Invited talk**, @ [AAS 241](#), Seattle  
 NOV. 2022 | **Invited colloquium**, @ Nanjing University, Nanjing  
 NOV. 2022 | **Invited colloquium**, @ Tsinghua University, Beijing  
 OCT. 2022 | **Invited colloquium**, @ NAOC FLAT (FAST and LAMOST Associated Scientific Colloquium), Beijing  
 JUN. 2022 | **Invited talk**, @ [AAS 240](#), Pasadena  
 JAN. 2021 | **Contributed talk**, @ [AAS 237](#), virtual  
 DEC. 2020 | **Invited colloquium**, @ Department of Physics and Astronomy, University of Missouri  
 DEC. 2019 | **Invited talk**, @ Purple Mountain Observatory, Nanjing  
 DEC. 2019 | **Invited talk**, @ 2019 Nanjing University Youth Forum, Nanjing  
 DEC. 2019 | **Invited talk**, @ Shanghai Astronomical Observatory  
 DEC. 2019 | **Invited talk**, @ Shanghai Jiao Tong University, Shanghai  
 AUG. 2019 | **Lunch talk**, @ [The Kavli Institute for Astronomy and Astrophysics at Peking University](#)  
 AUG. 2019 | **Invited talk**, @ National Astronomical Observatories of China, Beijing  
 AUG. 2019 | **Invited talk**, @ Key Laboratory of Space Utilization, CAS  
 JUN. 2019 | **Invited talk**, @ [CLEAR collaboration meeting](#), STScI  
 FEB. 2019 | **Contributed talk**, @ [Extremely Big Eyes on the Early Universe](#), UCLA  
 JAN. 2019 | **Dissertation talk**, @ [AAS 233](#), Seattle  
 DEC. 2018 | [Astronomy Seminar](#) @ Columbia  
 DEC. 2018 | [Galread Extragalactic Discussion Group](#) @ Princeton  
 DEC. 2018 | [Galaxy Journal Club](#) @ STScI  
 DEC. 2018 | [Galaxies & Cosmology Seminar](#) @ CfA Harvard & Smithsonian  
 NOV. 2018 | [IMPS Seminar](#) @ UC Santa Cruz  
 NOV. 2018 | [Lunch Talk](#) @ Carnegie Observatories, Pasadena, CA  
 OCT. 2018 | [Astronomy Tea Talk](#) @ Caltech, Pasadena, CA  
 AUG. 2018 | **Contributed Talk**, @ Focus Meeting 7 at the XXXth IAU General Assembly, Vienna, Austria  
 JUL. 2018 | **Invited Talk**, @ University of Science and Technology of China, Hefei  
 JUN. 2018 | **Contributed Talk with Conference Fellowship**, @ KIAA Forum on Gas in Galaxies, Beijing  
 MAY 2018 | **Invited Talk**, @ 2018 Nanjing University Youth Forum, Nanjing  
 FEB. 2018 | [Colloquium Talk](#), @ IPAC, Caltech, Pasadena, CA  
 JAN. 2018 | [Lunch Talk](#), @ Carnegie Observatories, Pasadena, CA  
 SEPT. 2017 | **Invited Talk**, @ Tsinghua University, Beijing  
 SEPT. 2017 | **Invited Talk**, @ Nanjing University, Nanjing  
 SEPT. 2017 | **Invited Talk**, @ Shanghai Jiao Tong University, Shanghai  
 JUN. 2017 | **Contributed talk**, @ [Special Session 11 at European Week of Astronomy and Space Science](#), Prague, Czech Republic  
 JAN. 2017 | [Colloquium talk](#), @ Steward Observatory, University of Arizona, Tucson, AZ  
 AUG. 2016 | [Colloquium talk](#), @ Department of Astronomy, University of Michigan, Ann Arbor, MI  
 JUL. 2016 | **Invited talk**, @ Tsinghua University, Beijing  
 JUN. 2016 | **Invited talk**, @ Nanjing University, Nanjing  
 JUN. 2016 | **Invited talk**, @ Purple Mountain Observatory, Nanjing  
 JUN. 2016 | **Invited talk**, @ National Astronomical Observatories of China, Beijing  
 AUG. 2015 | **Contributed talk**, @ [Focus Meeting 22 at the XXIXth IAU General Assembly](#), Honolulu, HI  
 NOV. 2012 | **Contributed talk**, @ Tsinghua Transient Workshop 2012, Tsinghua University, Beijing  
 JUN. 2010 | **Contributed talk**, @ [A mini-workshop on “Gamma-ray Sky from Fermi: Neutron Stars and their Environment”](#), Hong Kong, China  
 APR. 2009 | **Contributed talk**, @ Frontiers of Space Astrophysics: Neutron Stars & Gamma Ray Bursts — Recent Developments & Future Directions, Cairo & Alexandria, Egypt

### Approved Observing Proposals

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- 16 Keck 2022A\_U016, 2023A\_U139, 2024A\_U245, 2024B\_U423, PI Malkan, *8 Full Nights*: The Most Massive Galaxy Protoclusters at Cosmic Noon—Impact on Galaxy Evolution
  - 15 JWST-GO-03050, PI Goldsmith, **Contact Wang**: A hot view of cold gas

- 14 JWST-GO-03426, PI Jones: Confirming the population of disk galaxies at  $z > 3$
- 13 HST-GO-17159, **PI Wang**, *38 Primary Spacecraft Orbits: Escaping Lyman Continuum from the Overdensities of Extreme Emission Line Galaxies at  $z \sim 2.2$*
- 12 HST-GO-16667, PI Bradac: The Final Frontier: HST and JWST Exploration of Galaxies Across Cosmic Epochs
- 11 HST-AR-16621, PI Koekemoer: SUPERCAL: Unified Reprocessing of the Large HST Cosmology Survey Fields - New Science, Archival Legacy, and Pathfinder for JWST
- 10 JWST-GO-01571, PI Malkan: PASSAGE-Parallel Application of Slitless Spectroscopy to Analyze Galaxy Evolution
- 9 JWST-GO-02136, PI Jones: The emergence of the modern Hubble sequence revealed by JWST slit-stepping
- 8 HST-GO-16276, **PI Wang**, *45 Primary Spacecraft Orbits: WFC3 Spectroscopy of the Most Massive Galaxy Protoclusters at Cosmic Noon*
- 7 JWST-ERS-01324, PI Treu: Through the Looking GLASS: A JWST Exploration of Galaxy Formation and Evolution from Cosmic Dawn to Present Day
- 6 HST-GO-15647, PI Teplitz: Ultraviolet Imaging of the Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey Fields (UVCANDELS)
- 5 VLT-0101.B-0418(A), PI Sanchez-Janssen: Chemodynamics of lensed dwarf galaxies at  $1 \lesssim z \lesssim 2$
- 4 Keck 2017A\_U037, 2017B\_U058, 2018A\_U158, 2018B\_U061, 2019A\_U130, 2019B\_U057, PI Jones: Dissecting Galaxy Formation and Testing Feedback Models on 100 pc Scales: An OSIRIS Survey of Lensed Galaxies at  $z \simeq 2$
- 3 HST-DDT-14922, PI Kelly: Probing the Nature of Dark Matter with Individual Stars Highly Magnified by a Galaxy Cluster
- 2 HST-AR-14280, PI Bradac: Breaking Cosmic Dawn: Observing the  $z > 7$  Universe Through Cosmic Telescopes
- 1 HST-GO-13459, PI Treu: The Grism Lens-Amplified Survey from Space (GLASS)

### Observing Experience

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| <ul style="list-style-type: none"> <li>• Keck OSIRIS, 16 nights</li> <li>• Keck MOSFIRE, 11 night</li> <li>• Lick Observatory Shane telescope, 1 night</li> <li>• Palomar Observatory P200 telescope, 2 nights</li> </ul> | <ul style="list-style-type: none"> <li>• Keck DEIMOS, 3 nights</li> <li>• Keck ESI, 1 night</li> <li>• Steward Observatory Bok telescope, 6 nights</li> </ul> |
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### Professional Service

- Referee for *ApJ*, *ApJS*, *PASJ*, *A&A*
- External reviewer for Large JWST proposals in Cycle 2
- External reviewer for Large HST proposals in Cycles 29, 30, 31
- External reviewer for Chinese Telescope Access Program Time Allocation Committee
- Selected participant in the inaugural [JWST Master Class](#)
- Organizer of the [KIAA JWST Proposal Planning Workshop](#) and the [UCLA JWST Proposal Planning Workshop](#)
- Organizer of Treu Group Meetings, @ UCSB & UCLA
- Organizer of Graduate Journal Club in School of Astronomy and Space Sciences, NJU

### Teaching and Mentoring

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| 2022–PRESENT   | Xunda Sun, Hang Zhou, Yiming Yang, Qianqiao Zhou, Shengzhe Wang, Pengfei Ren, graduate students at University of Chinese Academy of Sciences |
| 2020–PRESENT   | Zihao Li, graduate student at Tsinghua University, co-advised with Prof. Zheng Cai   |
| 2018–2019      | Jessie Hirtenstein, graduate student at UC Davis, co-advised with Prof. Tucker Jones   |
| FEB.–JUN. 2024 | Sole lecturer of <i>Introduction to Astronomy</i> , a core course for astronomy majors at University of Chinese Academy of Sciences          |

### 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             |

### Publications

Full list available at [ADS](#)

1st/2nd Author Papers in Refereed Academic Journals

- 23 Sun, X., **Wang, X.** et al. The physical origin of positive metallicity radial gradients in high-redshift galaxies: insights from the FIRE-2 cosmological hydrodynamic simulations. 2024, *Astrophys. J.*, submitted ([arXiv:2409.09290](#)) [5 citations]
- 22 **Wang, X.** et al. The Lyman Continuum Escape Fraction of Star-forming Galaxies at  $2.4 \lesssim z \lesssim 3.0$  from UVCANDELS. 2025, *Astrophys. J.*, 980, 74 ([arXiv:2308.09064](#)) [14 citations]
- 21 Li, S., **Wang, X.** et al. Early Results from GLASS-JWST. XXV. Electron Density in the Interstellar Medium at  $0.7 \lesssim z \lesssim 9.3$  with NIRSpec High-resolution Spectroscopy. 2025, *Astrophys. J. Letters*, 979, L13 ([arXiv:2412.08382](#)) [2 citations]
- 20 Ju, M., **Wang, X.** et al. MSA-3D: Metallicity Gradients in Galaxies at  $z \sim 1$  with JWST/NIRSpec Slit-stepping Spectroscopy. 2025, *Astrophys. J. Letters*, 978, L39 ([arXiv:2409.01616](#)) [4 citations]
- 19 **Wang, X.** et al. A strong He II  $\lambda 1640$  emitter with extremely blue UV spectral slope at  $z = 8.16$ : presence of Pop III stars? 2024, *Astrophys. J. Letters*, 967, L42 ([arXiv:2212.04476](#)) [37 citations]
- 18 Jiang, H., **Wang, X.** et al. The Ly $\alpha$  non-detection by JWST NIRSpec of a strong Ly $\alpha$  emitter at  $z=5.66$  confirmed by MUSE. 2024, *Astrophys. J.*, 972, 121 ([arXiv:2312.04151](#)) [7 citations]
- 17 Sun, L., **Wang, X.** et al. The UV luminosity function at  $0.6 < z < 1$  from UVCANDELS. 2024, *Astrophys. J.*, 972, 8 ([arXiv:2311.15664](#)) [11 citations]
- 16 He, X., **Wang, X.** et al. Early results from GLASS-JWST. XXVII. The mass-metallicity relation in lensed field galaxies at cosmic noon with NIRISS. 2023, *Astrophys. J. Letters*, 960, L13, ([arXiv:2312.01932](#)) [11 citations]
- 15 Shi, D., **Wang, X.** et al. The Emergence of Brightest Cluster Galaxy in the Most Massive Protocluster Core. 2024, *Astrophys. J.*, 963, 21 ([arXiv:2303.09726](#)) [7 citations]
- 14 **Wang, X.** et al. Ultraviolet and Blue Optical Imaging of UVCANDELS. 2024, *Res. Notes AAS*, 8, 26 ([DOI 10.3847/2515-5172/ad1f6f](#)) [7 citations]
- 13 Wang, K., **Wang, X.**, Chen, Y. Environmental Dependence of the Mass-Metallicity Relation in Cosmological Hydrodynamical Simulations. 2023, *Astrophys. J.*, 951, 66 ([arXiv:2305.08161](#)) [11 citations]
- 12 **Wang, X.** et al. Early results from GLASS-JWST. IV. Spatially resolved metallicity in a low-mass  $z \sim 3$  galaxy with NIRISS. 2022, *Astrophys. J. Letters*, 938, L16 ([arXiv:2207.13113](#)) [15 citations]
- 11 Li, Z., **Wang, X.** et al. First Census of Gas-phase Metallicity Gradients of Star-forming Galaxies in Overdense Environments at Cosmic Noon. 2022, *Astrophys. J. Letters*, 929, L8 ([arXiv:2204.03008](#)) [17 citations]
- 10 **Wang, X.** et al. The mass-metallicity relation at cosmic noon in overdense environments: first results from the MAMMOTH-Grism HST slitless spectroscopic survey. 2022, *Astrophys. J.*, 926, 70 ([arXiv:2108.06373](#)) [26 citations]
- 9 **Wang, X.** et al. A Census of Sub-kiloparsec Resolution Metallicity Gradients in Star-forming Galaxies at Cosmic Noon from HST Slitless Spectroscopy. 2020, *Astrophys. J.*, 900, 183 ([arXiv:1911.09841](#)) [45 citations]
- 8 **Wang, X.** et al. Discovery of Strongly Inverted Metallicity Gradients in Dwarf Galaxies at  $z \sim 2$ . 2019, *Astrophys. J.*, 882, 94 ([arXiv:1808.08800](#)) [59 citations]
- 7 **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS) X. Sub-kiloparsec resolution gas-phase metallicity maps at cosmic noon behind the Hubble Frontier Fields cluster MACS1149.6+2223. 2017, *Astrophys. J.*, 837, 89 ([arXiv:1610.07558](#)) [63 citations]
- 6 **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS) IV. Mass reconstruction of the lensing cluster Abell 2744 from frontier field imaging and GLASS spectroscopy. 2015, *Astrophys. J.*, 811, 29 ([arXiv:1504.02405](#)) [59 citations]
- 5 Jones, T., **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS) II. Gas-Phase Metallicity and Radial Gradients in an Interacting System At  $z \sim 2$ . 2015, *Astron. J.*, 149, 107 ([arXiv:1410.0967](#)) [65 citations]
- 4 **Wang, X.**, Meng, X.-L., & Huang, Y. F., Testing X-ray Measurements of Galaxy Cluster Gas Mass Fraction Using the Cosmic Distance-Duality Relation and Type Ia Supernovae. 2013, *RAA*, 13, 1013 ([arXiv:1305.2077](#)) [4 citations]
- 3 **Wang, X.**, Meng, X.-L. et al. Observational Constraints on Cosmic Neutrinos and Dark Energy Revisited. 2012, *J. Cosmol. Astropart. Phys.*, 11, 018 ([arXiv:1210.2136](#)) [32 citations]

- 2 **Wang, X.**, Huang, Y. F., & Kong, S. W. Constraint on the Counter-jet Emission in GRB Afterglows from GRB 980703. 2010, *Sci. China-Phys. Mech. Astron.*, 53 (Suppl.1), 259 [4 citations]
- 1 **Wang, X.**, Huang, Y. F., & Kong, S. W. On the Afterglow from the Receding Jet of Gamma-Ray Bursts. 2009, *Astron. Astrophys.*, 505, 1213 ([arXiv:0903.3119](#)) [11 citations]

#### Contributing Author Papers in Refereed Academic Journals (incomplete)

- 22 Prichard, L. J., ..., **Wang, X.** et al. Lyman Continuum Galaxy Candidates in COSMOS. 2021 *Astrophys. J.* in press ([arXiv:2110.06945](#)) [3 citations]
- 21 Abramson, L. E., ..., **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS). XIII. G800L optical spectra from the parallel fields. 2020, *MNRAS*, 493, 952 ([arXiv:1906.00008](#)) [4 citations]
- 20 Bradac, M., ..., **Wang, X.** Hubble Frontier Field photometric catalogues of Abell 370 and RXC J2248.7-4431: multiwavelength photometry, photometric redshifts, and stellar properties. *MNRAS*, 489, 99 ([arXiv:1906.01725](#)) [10 citations]
- 19 Morishita, T., ..., **Wang, X.** Massive Dead Galaxies at  $z \sim 2$  with HST Grism Spectroscopy. I. Star Formation Histories and Metallicity Enrichment. 2019, *Astrophys. J.*, 877, 141 ([arXiv:1812.06980](#)) [28 citations]
- 18 Hirtenstein, J., Jones, T., **Wang, X.** et al. The OSIRIS Lens-Amplified Survey (OLAS) I: Dynamical Effects of Stellar Feedback in Low Mass Galaxies at  $z \sim 2$ . 2018, *Astrophys. J.*, 880, 54 ([arXiv:1811.11768](#)) [13 citations]
- 17 Strait, V., ..., **Wang, X.** et al. Mass and Light of Abell 370: A Strong and Weak Lensing Analysis. 2018, *Astrophys. J.*, 868, 129 ([arXiv:1805.08789](#)) [19 citations]
- 16 Finney, E., ..., **Wang, X.** et al. Mass Modeling of Frontier Fields Cluster MACS J1149.5+2223 Using Strong and Weak Lensing. 2018, *Astrophys. J.*, 859, 1 ([arXiv:1806.00698](#)) [9 citations]
- 15 Morishita, T., Abramson, L. E., Treu, T., **Wang, X.** et al. Metal Deficiency in Two Massive Dead Galaxies at  $z \sim 2$ . 2018, *Astrophys. J. Letters*, 856, L4 ([arXiv:1803.01852](#)) [12 citations]
- 14 Abramson, L. E., ..., **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS). XII. Spatially Resolved Galaxy Star Formation Histories and True Evolutionary Paths at  $z > 1$ . 2018, *Astron. J.*, 156, 29 ([arXiv: 1710.00843](#)) [10 citations]
- 13 Kelly, P. L., ..., **Wang, X.** et al. Extreme magnification of an individual star at redshift 1.5 by a galaxy-cluster lens. 2018, *Nature Astronomy*, 2, 334 ([arXiv:1706.10279](#)) [75 citations]
- 12 Williams, P. R., ..., **Wang, X.** Discovery of three strongly lensed quasars in the Sloan Digital Sky Survey. 2018, *MNRAS*, 477L, 70 ([arXiv:1706.01506](#)) [16 citations]
- 11 Schmidt, K. B., ..., **Wang, X.** The Grism Lens-Amplified Survey from Space (GLASS). XI. Detection of CIV in Multiple Images of  $z = 6.11$  Ly $\alpha$  Emitter Behind RXCJ2248.7-4431. 2017, *Astrophys. J.*, 839, 17 ([arXiv:1702.04731](#)) [39 citations]
- 10 Morishita, T., Abramson, L. E., Treu, T., Schmidt, K. B., Vulcani, B., **Wang, X.** Characterizing Intracuster Light in the Hubble Frontier Fields. 2017, *Astrophys. J.*, 846, 139 ([arXiv:1610.08503](#)) [54 citations]
- 9 Vulcani, B., ..., **Wang, X.** The Grism lens-amplified survey from space (GLASS). VIII. The influence of the cluster properties on H $\alpha$  emitter galaxies at  $0.3 < z < 0.7$ . 2017, *Astrophys. J.*, 837, 126 ([arXiv:1610.04615](#)) [15 citations]
- 8 Morishita, T., ..., **Wang, X.**, et al. The Grism Lens-Amplified Survey from Space (GLASS). IX. The dual origin of low-mass cluster galaxies as revealed by new structural analyses. 2017, *Astrophys. J.*, 835, 254 ([arXiv:1607.00384](#)) [35 citations]
- 7 Huang, K., ..., **Wang, X.** Detection of Lyman-Alpha Emission From a Triple Imaged  $z=6.85$  Galaxy Behind MACS J2129.4-0741. 2016, *Astrophys. J. Letters*, 823L, 14 ([arXiv:1605.05771](#)) [30 citations]
- 6 Hoag, A., ..., **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS). VI. Comparing the Mass and Light in MACSJ0416.1-2403 using Frontier Field imaging and GLASS spectroscopy. 2016, *Astrophys. J.*, 831, 182 ([arXiv:1603.00505](#)) [34 citations]
- 5 Schmidt, K. B., ..., **Wang, X.** The Grism Lens-Amplified Survey from Space (GLASS). III. A census of Ly $\alpha$  Emission at  $z \gtrsim 7$  from HST Spectroscopy. 2016, *Astrophys. J.*, 818, 38 ([arXiv:1511.04205](#)) [56 citations]



- 4 Rodney, S., ..., **Wang, X.**, et al. Illuminating a Dark Lens : A Type Ia Supernova Magnified by the Frontier Fields Galaxy Cluster Abell 2744. 2015, *Astrophys. J.*, 811, 70 ([arXiv:1505.06211](#)) [59 citations]
- 3 Treu, T., Schmidt, K. B., Brammer, G. B., Vulcani, B., **Wang, X.** et al. The Grism Lens-Amplified Survey from Space (GLASS). I. Survey Overview and First Data Release. 2015, *Astrophys. J.*, 812, 114 ([arXiv:1509.00475](#)) [150 citations]
- 2 Schmidt, K. B., Treu, T., Brammer, G. B., Bradac, M., **Wang, X.** et al. Through the Looking GLASS: HST Spectroscopy of Faint Galaxies Lensed by the Frontier Fields Cluster MACSJ0717.5+3745. 2014, *Astrophys. J. Letters*, 782L, 36 ([arXiv:1401.0532](#)) [102 citations]
- 1 Meng, X.-L., Zhang, T.-J., Zhan, H., & **Wang, X.** Morphology of Galaxy Clusters: A Cosmological Model-Independent Test of the Cosmic Distance-Duality Relation. 2012, *Astrophys. J.*, 745, 98 ([arXiv:1104.2833](#)) [62 citations]