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EDUCATION	<div><b>Johns Hopkins University</b>, Baltimore MD, United States</div> <div>Department of Physics and Astronomy, 9/2016 - 12/2022</div> <div>Ph. D. in Astrophysics</div> <div>Thesis Advisors: Susan Kassin, Timothy Heckman</div> <div><b>Tsinghua University</b>, Beijing, China</div> <div>Department of Physics, 8/2012 - 7/2016</div> <div>B. Sc. in Physics (graduated with honors)</div> <div>Thesis Advisor: Shude Mao</div>
RESEARCH EXPERIENCE	<div><b>University of Milano-Bicocca</b>, Milan MI, Italy 12/2022–now</div> <div>Department of Physics, Postdoc Researcher (European Research Council funded)</div> <div>Research topics: the circumgalactic medium and cosmic web</div> <div>Advisor: Sebastiano Cantalupo</div> <div><b>Johns Hopkins University</b>, Baltimore MD, United States 9/2016–12/2022</div> <div>Department of Physics and Astronomy, Graduate Researcher</div> <div>Research topics: galactic winds at <math>z \sim 1</math>; dust attenuation of galaxies at <math>z \sim 1</math></div> <div>Advisor: Susan Kassin</div> <div><b>University of California, Santa Cruz</b> CA, United States 2/2020-3/2021; 7-9/2015</div> <div>Department of Astronomy, Visiting Student</div> <div>Research topics: galactic winds at <math>z \sim 1</math>; spatially resolved star formation and dust attenuation of <math>z \sim 1</math> galaxies</div> <div>Hosts: Sandra Faber, David Koo</div> <div><b>Tsinghua University</b>, Beijing, China 6/2014 - 7/2016</div> <div>Tsinghua Center for Astrophysics, Undergraduate Researcher</div> <div>Research topic: impacts of dark matter halo substructures on gravitational lensing systems</div> <div>Advisor: Shude Mao</div>
PUBLICATIONS	<div><b>W. Wang</b>, S. A. Kassin, S. M. Faber, D. C. Koo et al., ApJ, 930, 146 (2022) [<a href="#">arXiv: 2109.12133</a>]: <i>The Baltimore Oriole’s Nest: Cool Winds from the Inner and Outer Parts of a Star-Forming Galaxy at <math>z = 1.3</math></i></div> <div><b>W. Wang</b>, S. A. Kassin, C. Pacifici et al., ApJ, 869, 161 (2018) [<a href="#">arXiv: 1811.03671</a>]: <i>Galaxy Inclination and the IRX-<math>\beta</math> Relation: Effects on UV Star Formation Rate Measurements at Intermediate to High Redshifts</i></div> <div><b>W. Wang</b>, S. M. Faber, F.-S. Liu et al., MNRAS, 469, 4063 (2017) [<a href="#">arXiv: 1705.05404</a>]: <i>UVI colour gradients of <math>0.4 &lt; z &lt; 1.4</math> star-forming main-sequence galaxies in CANDELS: dust extinction and star formation profiles</i></div> <div>Click <a href="#">this ADS link</a> for the full list of publications (15 in total as of 12/2022, &gt; 300 citations).</div>
OBSERVATIONS AND PROPOSALS	<div><b>JWST Cycle-1 proposal</b> (Co.I. with major contribution; P.I.: Susan Kassin): <i>A Pathfinder for JWST Spectroscopy: Deep High Spectral Resolution Maps of Galaxies over <math>1 &lt; z &lt; 6</math>, 74.3 hours, scheduled for 2023</i></div> <div><b>JWST Cycle-1 proposal</b> (joined the program in 2022 with major contributions antici-</div>

pated; P.I.: Sebastiano Cantalupo): *Unraveling the Knots of Gaseous Cosmic Web Filaments at  $z \sim 3$  through H-alpha Emission Observations*, 24.4 hours, scheduled for 2023

ALMA Cycle-8 proposal (Co.I.; P.I.: Raymond Simons): *CO Kinematics at Cosmic Noon: Timing the Redistribution of Metals Around Galaxies*, 23.1 hours, 2022

**ALMA Cycle-7 proposal** (P.I.), 14.7 hours, 2021: *Does molecular gas follow the motion of ionized gas inside typical high-redshift star-forming galaxies?* Observations not completed due to weather and the impact of COVID-19 in Chile

**NASA ADAP proposal** (Co.I. with major contribution; P.I.: Susan Kassin): *Expelling Gas from Galaxies in the Distant Universe: Resolved Winds and Kinematics at  $z \sim 1$* , \$485k, 2020-2022

Observations at the ARC 3.5m telescope, Apache Point Observatory, NM, 11/2016

## TALKS

Astronomy Seminar, University of California, Riverside, CA (remote), 2021  
 Steward/NOIRLab Galaxy Group Lunch Talk, University of Arizona, AZ (remote), 2021  
 Baltimore Wind Workshop (contributed talk), Baltimore, MD, 2021  
 Conference “Massively Parallel Large Area Spectroscopy from Space” (contributed talk), Institute of Astrophysics and Space Sciences, Portugal (remote), 2021  
 Astrophysics Seminar at University of Missouri, MI (remote), 2020  
 Conference “The Art of Measuring Physical Parameters in Galaxies” (contributed talk), UC Riverside, CA, 2018  
 Santa Cruz Galaxy workshop (contributed talk), Santa Cruz, CA, 2018  
 AAS Meeting 231 (contributed talk), Washington DC, 2018  
 Conference “Dusting the Universe” (contributed talk), University of Arizona, AZ, 2018  
 Conference “Plumbing Star-Formation Rates in the Age of JWST ” (contributed talk), Texas A&M University, TX, 2017  
 JHU/STScI Galaxy Journal Club, Baltimore, MD, 2017, 2021  
 Lunch talks, Tsinghua University and Peking University/KIAA, Beijing, China, 2017

## SCHOLARSHIPS AND AWARDS

The IAU travel grant, 2019.  
 First-year graduate student award, the JHU Department of Physics and Astronomy, 2016.  
 National Astronomical Observatory of China Scholarship, 2016.

## MENTORSHIP

Ying Qin, JHU undergraduate in physics major, since 2021:  
*Studying the MgII emission and leaking ionizing photons from low-mass galaxies at  $z \sim 1$ .*

## TEACHING EXPERIENCE

Teaching Assistant, General Physics I for Biological Science Majors (171.103)  
 Johns Hopkins University, Fall 2016  
 Teaching Assistant, General Physics Laboratory (171.111)  
 Johns Hopkins University, Fall 2016

## OUTREACH ACTIVITIES

Member of the **Astro Scholars program** since 2021  
*An annual week-long program about astrophysics and computer programming for undergraduates from under-represented backgrounds; serving as a core member of the hiring & education team; monthly tag-up with the students during the rest of the year*  
 Member of the Physics and Astronomy Graduate Students (PAGS) Outreach Team, Johns Hopkins University, 2017-2019  
*Supporting visits of students from Baltimore local primary/middle schools around once per semester and teaching fundamental physics with educational demos*  
 The JHU Physics Fair, 2016-2019  
*Annual event open to the JHU and Baltimore local communities; teaching fundamental*

*physics and astronomy with educational demos*

Volunteer teacher at the Pengzhai Primary School, Guizhou, China, Summer/2013

*Teaching multiple STEM-related courses for Grade 3-6; the school, with very limited resources, is located in one of the least developed areas of the country.*