DR. MUNAZZA K. ALAM

Carnegie Earth & Planets Laboratory, 5241 Broad Branch Road NW, Washington, DC 20015 malam@carnegiescience.edu $\diamond +1$ 917-829-1410 \diamond https://munazzaalam.github.io

RESEARCH INTERESTS

Observations of exoplanet atmospheres, host star elemental abundances, planet formation and evolution

EMPLOYMENT

Carnegie Earth & Planets Laboratory, Carnegie EPL Postdoctoral Fellow2021–Harvard University, Postdoctoral Researcher2021

EDUCATION

Harvard University 2016–2021

Ph.D., Astronomy and Astrophysics

Thesis: "Characterizing Distant Worlds: Atmospheric Reconnaissance of Giant Planets with Hubble" Advisor: Dr. Mercedes López-Morales

A.M. (2018), Astronomy and Astrophysics

Macaulay Honors College at Hunter College, City University of New York (CUNY) 2012–2016 B.A., Physics and Astronomy – Summa Cum Laude (Salutatorian)

FELLOWSHIPS & GRANTS

National Geographic Young Explorers Grant	2015-
NSF Graduate Research Fellowship	2017 - 2020
John P. and Carol J. Merrill Graduate Fellowship, Harvard University	2017
Judith and Stanley Zabar Graduate Scholarship, Hunter College	2016
John P. McNulty Scholarship, Hunter College	2014 - 2016
CUNY Macaulay Honors College full merit scholarship, Hunter College	2012 - 2016

SELECTED HONORS & AWARDS

Rodger Doxsey Travel Prize, AAS 237th Meeting	2021
Keck Principal Investigator Data Award, NExSci for NASA	2020
Nominated as one of the 40 Women to Watch in 2019, The Tempest	2019
Derek Bok Center Certificate of Distinction in Teaching, Harvard University	2017, 2018
Awarded for teaching SPU 30 (Life as a Planetary Phenomenon), Spring 2017	
Awarded for teaching AY 16 (Stellar & Planetary Astronomy), Spring 2018	
Best Poster Award, IAC Winter School of Radiative Transfer in Stellar & Planetary Atmospheres	2017
Joseph A. Gillet Memorial Prize, Hunter College	2016
Award Citation: "awarded to a member of the senior class who has, in the opinion	
of the department, the most thorough knowledge of general physics"	
Rosalyn S. Yalow Award, Hunter College	2016
Award Citation: "presented to one of Hunter's finest science students"	

ACCEPTED OBSERVING PROPOSALS (AS PI)

- A Sharper Look: Observing a Clear Atmosphere Exoplanet Simultaneously at Low & High Spectral Resolution, Magellan/MIKE + Magellan/IMACS 2021B semester, 1 night, **PI: Alam**, Co-Is: Teske, Gao
- Probing Atmospheric Escape in Young Transiting Exoplanets, Keck II/NIRSPEC 2020B semester, 1.5 nights,
 - PI: Alam, Co-Is: dos Santos, Kirk, López-Morales, Ehrenreich, Bourrier, Allart, Siedel, Lovis, Livingston, King, Oklopčić, Zhou
- Investigating Giant Planet Origins with Elemental Abundances of Stellar Hosts, Keck I/HIRES 2020A semester, 0.25 nights, **PI: Alam**, Co-I: López-Morales
- Investigating Giant Planet Origins: Stellar Host Elemental Abundances, Magellan/MIKE 2019A, 2020A, & 2020B semesters, 6.5 nights, PI: Alam, Co-Is: López-Morales, Buchhave

SELECTED INVITED TALKS

Seminar NASA ExoExplorers, The First Near-Infrared Transmission Spectrum of III 41378 f. a Low-Masa Temperate Jovian World in a Multi-Planet System Seminar Carnegie EPL, A NIR Transmission Spectrum for IIIP 41378 f. Guest Lecture University of Windsor, Exotic Exoplanets and How to Find Them Oc Guest Lecture American University, Exotic Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterizing Exoplanet Atmospheres with Hubble Seminar University of Mchigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Gant in the JWST Continuous Viewing Gant Planet Atmospheres with Hubble Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble And Large Ground-based Telescoperating Giant Planet Atmospheres with HIST Talk University of Exeter, Characterizing Giant Planet Atmospheres with HIST Talk University of House Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HIST PanCET Program: Characterizing the Atmospheres Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Geneva Observatory, Precise Optical Transmission Spectrum for WASP-52b Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-52b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zome Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for Wasp-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter Wasp-52b Conference K	ELECTED INVITED TALKS	
Seminar Carnegie PD _L , A NR Trunsmission Spectrum for HP 413781, a Lone-Mass Temperate Jovian World in a Multi-Planet System Guest Lecture University of Windsor, Exotic Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterising Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterising Exoplanets and How to Find Them Oc Seminar University of Michigan, A Cloud-Free Atmosphere swith Hubble Oc Seminar University of Michigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Giant in the JWST Continuous Viewing Zone Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The BTS PanCET Program: Characterizing Hunter Atmospheres Seminar Columbia University, The BTS PanCET Program: Characterizing that Manospheres Seminar Columbia University, The BTS PanCET Program: Characterizing Giant Planet Atmospheres Seminar Columbia University, The BTS PanCET Program: Characterizing Giant Planet Atmospheres Seminar Columbia University, The BTS PanCET Program: Characterizing Hunter Atmospheres Seminar Columbia University, The BTS PanCET Program: Characterizing Hunter Atmospheres Seminar Control of Hunter Seminar Program: Characterizing Hunter Atmospheres Seminar Control of Hunter Seminar Program: Characterizing Hunter Atmospheres Seminar Control of Hunter Seminary Columbia University of Conference Exoplanets In the JWST Continuous Viceing Zone Conference Character Columbia Universidate Castolica, An Optical Transmission Spectrum of the Inplated Hunter MsSP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inplated Hunter MsSP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inplated Hunter MsSP-52b Conference Exoplanets II, An Optical Transmission Spectrum	Colloquium American University, Exoplanet Exploration with Hubble	Feb 2022
Seminar Carnegie EPL, A NIR Transmission Spectrum for HIP 413781	· · · · · · · · · · · · · · · · · · ·	Jan 2022
Guest Lecture University of Windsor, Exotic Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterizing Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterizing Exoplanet Atmospheres with Hubble Oc Seminar University of Michigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Giant in the JWST Continuous Viewing Zone Gas Giant in the JWST Continuous Viewing Zone Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescapes Seminar University of Exerce, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescapes Seminar University of Exerce, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescapes Seminar Columbia University At EMST PanCET Program: Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing Hub Atmospheres Seminar Golumbia University, The HST PanCET Program: Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing Hub Jupiter and a Nearby Super-Earth Seminar Columbia University of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Exidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Reson Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Farth Conference CAS Stars & Planets Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Farth Conference CAS Stars & Planets Science Meeting 2, Precise Optical Transmission Spectra Yeublic talk National Geographic Explorer Nights, Exploring the Universe Conference CAS Stars & Planets Science Meeting Stronger Glassrooms Keynote speaker Virginia Association of Sci		D 0001
Guest Lecture American University, Exotic Exoplanets and How to Find Them Oc Colloquium Oberlin College, Characterizing Exoplanet Atmospheres with Hubble Oc Seminar University of Michigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Ganat in the JWST Continuous Viewing Zone Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble Au and Large Ground-based Telescopes Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble Au and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Newby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II. An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II. An Optical Transmission Spectrum for Wasp-52b Conference Exoplanets II. An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Reele University Transiting Exoplanet, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk Indianal Geographic Student Matinee, Keep		Dec 2021
Colloquium Oberlin College, Characterizing Exoplanet Atmospheres with Hubble Seminar University of Michigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Guant in the JWST Continuous Viewing Zone Seminar University of Cliciago, Characterizing Giant Planet Atmospheres with Hubble Seminar University of Cliciago, Characterizing Giant Planet Atmospheres with Hubble Au and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Atalk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Emidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Columbates at Planets Science Exterasganza 2, A Tale of Two Planets Conference Cla Stars & Planets Science Exterasganza 2, A Tale of Two Planets Conference Cla Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing IID 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk Macanlay Hono		Nov 2021 Oct 2021
Seminar University of Michigan, A Cloud-Free Atmosphere for WASP-62b, the Only Known Gas Giant in the JWST Continuous Viewing Zone Seminar UC Berkeley & UCLA, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Iswaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Pontificia Universidad Católica, An Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-52b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cholands II, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Conference Exoplanets II, An Optical Transmission Spectrum for WASP-52b Conference Conference Conference Conference Conference Recele University Transiting Exoplanets, Characterizing IID 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk National Geographic Explorer Nights, Exploring the Univers	· · · · · · · · · · · · · · · · · · ·	Oct 2021
Talk NASA Jet Propulsion Laboratory, A Clear Atmosphere for WASP-62b, the Only Known Gas Giant in the JWST Continuous Viewing Zone Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Ap Telescopes and the Future of Astronomy Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viceving Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II. An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II. An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II. An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets Repolanet Science Mecting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Conference for All Public talk Macaulay Honors College Professional Lunch Serie		Oct 2021
Seminar UC Berkeley & UCLA, Characterizing Giant Planet Atmospheres with Hubble Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Au Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectrum for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-52b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b IC Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b IC Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b IC Conference CEA Stars & Planets Science Meeting 2, Precise Optical Transmission Spectrum for An tot Jupiter and a nearby super-Earth Conference CEA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Vational Geographic Extender on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk Vational Geographic Extender on Other Worlds: Studying Explaner Atmospheres Keynote speaker Virginia Association of Science Feed Recommendation of Science Feed Recommendation of Science Teachers, Budding Stronger Classrooms Not Keynote speaker Virginia Association of Scie		Sept 2020
Seminar University of Chicago, Characterizing Giant Planet Atmospheres with Hubble and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-52b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Cloud Academy I, September Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Cloud Academy II, September Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Student Matinee, Keep Looki		•
and Large Ground-based Telescopes Seminar University of Exeter, Characterizing Giant Planet Atmospheres with HST Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Cfa Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Cive University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Occupancy of Professional Lunch Series, My Path to Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Occupance for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Occupant Professional My Pat	Seminar UC Berkeley & UCLA, Characterizing Giant Planet Atmospheres with Hubble	Sept 2020
Talk University of Hawaii Institute for Astrophysics, Characterizing Giant Planet Atmospheres Seminar Columbia University, The HST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Cfd Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Professional Lunch Series, My Path to Astronomy Public talk National Geographic Fool Residence Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Fool Resident Fool Resident Fool Resident Fool No		Aug 2020
Seminar Columbia University, The IIST PanCET Program: Characterizing the Atmospheres of Inflated Hot Jupiters Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au, Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Explorer Nights, Exploring the Universe Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gasette, Quick, hand me my worm pick Magazine Bould Harvard Gasette, Quick, hand me my worm pick Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Aug 2020
Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au, Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Cfor Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Cfa Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk National Geographic Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Occupance of the College Professional Lunch Series, My Path to Astronomy College Professional Lunch Series, My Path to Astronomy Occupa		Feb 2020
Seminar Geneva Observatory, Precise Optical Transmission Spectra for a Hot Jupiter and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference Cla Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Explorer Nights, Exploring the Universe Reynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Fos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	· · · · · · · · · · · · · · · · · · ·	Apr 2019
and a Nearby Super-Earth Seminar Pontificia Universidad Católica, An Optical Transmission Spectrum for WASP-52b Au, Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Occ Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astr	· · ·	C+ 2010
Talk Smithsonian Board of Regents Meeting, Through the Looking Glass: Next Generation Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy 1, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for the Inflated Hot Jupiter WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Fos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	and a Nearby Super-Earth	Sept 2018
Telescopes and the Future of Astronomy SELECTED CONTRIBUTED TALKS Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Ju Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Auger Alman Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Aug 2018
Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Oce Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Sep Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Apr 2018
Talk Exo-Webb Summer Series, Evidence of a Clear Atmosphere for WASP-62b, the Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Ju Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Oce Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	Telescopes and the Future of Astronomy	
Transiting Gas Giant in the JWST Continuous Viewing Zone Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Application of Science Auges College C	ELECTED CONTRIBUTED TALKS	
Conference Cloud Academy I, An Optical Transmission Spectrum for WASP-52b Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Ju Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Application Association Angazine, The Five Big Ways JWST Will Help Astronomers		Jul 2020
Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52b Conference Boston Area Exoplanet Science Meeting 2, Precise Optical Transmission Spectra for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Occonference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Janublic talk National Geographic Explorer Nights, Exploring the Universe Apublic talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Nacaulay Honors College Professional Lunch Series, My Path to Astronomy Occupilic talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	· · · · · · · · · · · · · · · · · · ·	Sept 2018
for a hot Jupiter and a nearby super-Earth Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	Conference Exoplanets II, An Optical Transmission Spectrum of the Inflated Hot Jupiter WASP-52	b Jul 2018
Conference CfA Stars & Planets Science Extravaganza 2, A Tale of Two Planets Conference Keele University Transiting Exoplanets, Characterizing HD 21934b, the Nearest Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Mar 2018
Transiting Rocky Planet SELECTED PUBLIC TALKS Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Jan Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Oc Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Oct 2017
Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Jul 2017
Public talk Virginia Living Museum, Weather on Other Worlds Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	Transiting Rocky Planet	
Assembly speaker Nightingale-Bamford School, My Journey as an Astronomer Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Jack Public talk Universe Appublic talk Universe Appublic talk National Geographic Student Materials Appublic talk National Geographic Young Explorers Fel Book National Geographic Side, No Boundaries Book National Geographic Kids, No Boundaries Sep Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers	ELECTED PUBLIC TALKS	
Public talk National Geographic Explorer Nights, Exploring the Universe Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Nillbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Appublic talk University Astronomers Appublic talk National Geographic Science Teachers, Eventually Exoplanet Atmospheres No	Public talk Virginia Living Museum, Weather on Other Worlds	Apr 2021
Public talk National Geographic Student Matinee, Keep Looking Up: My Journey in Astronomy Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Mathematical Mathematical Magazine Mathematical Magazine Atmospheres Magazine Harvard Gazette, The Five Big Ways JWST Will Help Astronomers		Jan 2020
Public talk CfA Observatory Night, Weather on Other Worlds: Studying Exoplanet Atmospheres Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms No Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Apr 2019
Keynote speaker Virginia Association of Science Teachers, Building Stronger Classrooms Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Mar 2019
Keynote speaker Virginia Science Education Leadership Association, Diversify & Strengthen Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Feb 2019
Science for All Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers October 1987 August 1987 October 2087 August 2087 August 2087 August 2087 August 2087 August 2087 August 2087 Book National Geographic Kids, No Boundaries Fel Book Millbrook Press, Who is a Scientist? October 2087 Sep Magazine Eos, Munazza Alam: Searching for New Worlds Sep Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers		Nov 2018 Nov 2018
Public talk Macaulay Honors College Professional Lunch Series, My Path to Astronomy Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Octobries, My Path to Astronomy Octo	· · · · · · · · · · · · · · · · · · ·	NOV 2016
Public talk National Geographic Young Explorers Grants Program Workshop at Yale University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Oct Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Augustian Approximation		Oct 2018
University, Brown Dwarfs: The Cool Neighbors SELECTED MEDIA FEATURES Book National Geographic Kids, No Boundaries Book Millbrook Press, Who is a Scientist? Oc Magazine Harvard Gazette, Quick, hand me my worm pick Magazine Eos, Munazza Alam: Searching for New Worlds Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Augustian Searching S		Apr 2016
Book National Geographic Kids, No BoundariesFelBook Millbrook Press, Who is a Scientist?OcMagazine Harvard Gazette, Quick, hand me my worm pickSepMagazine Eos, Munazza Alam: Searching for New WorldsSepMagazine Smithsonian Magazine, The Five Big Ways JWST Will Help AstronomersAu		•
Book Millbrook Press, Who is a Scientist?OcMagazine Harvard Gazette, Quick, hand me my worm pickSepMagazine Eos, Munazza Alam: Searching for New WorldsSepMagazine Smithsonian Magazine, The Five Big Ways JWST Will Help AstronomersAu	ELECTED MEDIA FEATURES	
Book Millbrook Press, Who is a Scientist?OcMagazine Harvard Gazette, Quick, hand me my worm pickSepMagazine Eos, Munazza Alam: Searching for New WorldsSepMagazine Smithsonian Magazine, The Five Big Ways JWST Will Help AstronomersAu	Book National Geographic Kids, No Boundaries	Feb 2022
Magazine Eos, Munazza Alam: Searching for New WorldsSepMagazine Smithsonian Magazine, The Five Big Ways JWST Will Help AstronomersAu		Oct 2021
Magazine Smithsonian Magazine, The Five Big Ways JWST Will Help Astronomers Aug		$Sept\ 2021$
		Sept 2021
Understand the Universe Au		Aug 2021
	Understand the Universe	Aug 2021

Podcast HMSC Science Connects!, Pondering Distant Suns	Jun 2020
Book National Geographic Kids, Absolute Expert: Space!	Jun 2020
Magazine National Geographic, "Women: A Century of Change"	Mar 2020
Radio show RMWorldTravel with Robert & Mary Carey and Rudy Maxa	$\mathrm{Aug}\ 2019$
Podcast KPCC Radio, Tell Them, I Am (Episode 20)	May 2019
Magazine National Geographic Kids, "Dare to Explore"	Mar 2019
Video Explorer Academy: The Truth Behind	Oct 2018
Television CUNY TV Study with the Best (Culture and Identity)	May 2018
Book National Geographic Kids Solve This!: Wild & Wacky Challenges for the Genius	Mar 2018
Engineer in You	
Book National Geographic Kids Explorer Almanac 2019	May 2018
Article National Geographic, Woman of Impact in Science, Meet Munazza Alam: the woman	Mar 2018
searching for planet Earth's twin	
Article National Geographic, Finding Clarity in the Stars	Oct 2016

SELECTED OUTREACH & SERVICE

Organizer Carnegie EPL Astronomy Seminar	2022-
Postdoc representative Carnegie EPL Library Committee	2021-
Graduate student representative CfA Director Search Committee	2021
Student representative Harvard Graduate Admissions Committee	2021
Committee member Center for Astrophysics Harvard & Smithsonian APS-IDEA	2020 - 2021
Coordinator Harvard Astronomy Peer Mentoring Program	2019 - 2021
Reviewer Hubble Space Telescope Proposal Review Committee, Mid-Cycles 26 & 27	2019 - 2020
Co-founder Open Labs at Harvard	2016 - 2019
Poster judge National Collegiate Research Conference	2017, 2018

PUBLICATIONS

26 referred or submitted papers, 6 first and second author (via NASA ADS).

FIRST & SECOND AUTHOR PUBLICATIONS

- 6. Alam, M.K., Kirk, J., Dressing, C.D., López-Morales, M., Ohno, K., Gao, P., Akinsanmi, B., Santerne, A., Grouffal, S., Adibekyan, V., Barros, S.C.C., Buchhave, L., Crossfield, I.J.M., Dai, F., Deleuil, M., Giacalone, S., Lillo-Box, J., Marley, M., Mayo, A.W., Mortier, A., Santos, N.C., Sousa, S.G., Turtelboom, E.V., Wheatley, P.J., Vanderburg, A.M. The First Near-Infrared Transmission Spectrum of HIP 41378 f, a Low-Mass Temperate Jovian World in a Multi-Planet System, The Astrophysical Journal Letters, 927, 1, pp.L5-L14 (2022).
- 5. Alam, M.K., López-Morales, M., MacDonald, R., Nikolov, N., Kirk, J., Goyal, J., Sing, D.K., Wakeford, H.R., Rathcke, A.D., Deming, D.L., Sanz-Forcada, J., Lewis, N.K., Barstow, J.K., Mikal-Evans, T., Buchhave, L.A. Evidence of a Clear atmosphere for WASP-62b, the Only Transiting Giant Planet in the JWST Continuous Viewing Zone, The Astrophysical Journal Letters, 906, 2, pp.L10-L20 (2021).
- 4. Alam, M.K., López-Morales, M., Nikolov, N., Sing, D.K., Henry, G.W., Baxter, C., Désert, J.M., Barstow, J.K., Mikal-Evans, T., Bourrier, V., Lavvas, P., Wakeford, H.R., Williamson, M.H., Sanz-Forcada, J., Buchhave, L., Cohen, O., García Muñoz, A. The HST PanCET Program: An Optical to Infrared Transmission Spectrum of HAT-P-32Ab, The Astronomical Journal, 160, 1, pp.51-70 (2020).
- 3. Kirk, J., Alam, M.K., López-Morales, M., Zeng, Li. Confirmation of WASP-107b's extended Helium atmosphere with Keck II/NIRSPEC, The Astronomical Journal, 159, 3, pp.115-124 (2020).
- Alam, M.K., Nikolov, N., López-Morales, M., Sing, D.K., Goyal, J., Henry, G.W., Sanz-Forcada, J., Williamson, M.H., Evans, T.M., Wakeford, H.R., Bruno, G., Ballester, G.E., Stevenson, K.B., Lewis, N.K., Barstow, J.K., Bourrier, V., Buchhave, L.A., Ehrenreich, D., García Muñoz, A. The HST PanCET Program: Detection of Na I & A Cloudy Atmosphere for the Inflated Hot Jupiter WASP-52b, The Astronomical Journal, 156, 6, pp. 298-323 (2018).
- 1. Riedel, A.R., Alam, M.K., Rice, E.L., Cruz, K.L., & Henry, T.J. Young Stars with SALT, The Astrophysical Journal, 840, 2, pp.87-106 (2017).

- Batalha, N.E., Wolfgang, A., Teske, J., Alam, M.K., Alderson, L., Batalha, N.M., López-Morales, M., Wakeford, H.R. The Importance of Accounting for Sample Selection in Exoplanet Atmosphere Population Studies, submitted to ApJL (2022).
- Ratchke, A.D., Buchhave, L.A., Mendonça, J.M., Sing, D.K., López-Morales, M., Alam, M.K., Henry, G.W., Nikolov, N.K., García Muñoz, A., Mikal-Evans, T., Wakeford, H.R., dos Santos, L.A. HST PanCET Program: A Flat Optical Transmission Spectrum for the Hot Jupiter WASP-101b, submitted to MNRAS (2022).
- 18. McGruder, C.D., López-Morales, M., Kirk, J., Espinoza, N., Rackham, B.V., Alam, M.K., Allen, N., Nikolov, N., Weaver, I.C., Ortiz Ceballos, K., Osip, D.J., Apai, D., Jordán, A., Fortney, J.J. ACCESS: Confirmation of a Clear Atmosphere for WASP-96b and a Comparison of Light Curve Detrending Techniques, submitted to the Astronomical Journal (2022).
- 17. Fu, G., Sing, D.K., Deming, D., Sheppard, K., Wakeford, H.R., Mikal-Evans, T., **Alam, M.K.**, dos Santos, L.A., López-Morales, M. *The Hubble PanCET program: Emission spectrum of hot Jupiter HAT-P-41b*, accepted to the Astronomical Journal (2022).
- 16. dos Santos, L.A., Vidotto, A.A., Vissapragada, S., Alam, M.K., Allart, R., Bourrier, V., Kirk, J., Siedel, J.V., Ehrenreich, D. p winds: an open source Python code to model planetary winds and upper atmospheres, accepted to Astronomy & Astrophysics, arXiv DOI: 2111.11370 (2021).
- Kirk, J., dos Santos, L.A., López-Morales, M., Alam, M.K., Oklopčić, A., MacLeod, M., Zeng, L., Zhou, G. A Keck/NIRSPEC detection and non-detection of He I in the atmosphere of two inflated hot Jupiters orbiting K dwarfs: WASP-52b and WASP-177b, submitted to The Astronomical Journal (2021).
- Zeng, L., Jacobsen, S.B., Sasselov, D., Levi, A., Kirk, J., Damasso, M., Nava, C., Lacedelli, G., Piaulet, C., López-Morales, M., Petaev, M., Alam, M.K. New Perspectives on Exoplanet Radius Gap from a Mathematica Tool and Visualized Water EOS, The Astronomical Journal, 923, 2, pp.247-277 (2021).
- Fu, G., Deming, D., May, E., Stevenson, K.B., Sing, D.K., Lothringer, J., Wakeford, H.R., Nikolov, N., Evans, T., Bourrier, V., Dos Santos, L., Alam, M.K., Henry, G.W., García Muñoz, A., López-Morales, M. The Hubble PanCET program: Transit and Eclipse Spectroscopy of the Hot Jupiter WASP-74b, The Astronomical Journal, 162, 6, pp.271-294 (2021).
- 12. Rathcke, A.D., MacDonald, R.J., Barstow, J.K., Goyal, J.M., López-Morales, M., Mendo ça, J.M., Sanz-Forcada, J., Henry, G.W., Sing, D.K., **Alam, M.K.**, Lewis, N.K., Chubb, K.L., Taylor, J., Nikolov, N., Buchaave, L.A. *HST PanCET Program: A Complete Near-UV to Infrared Transmission Spectrum for the Hot Jupiter WASP-79b*, The Astronomical Journal, 162, 4, pp.138-158 (2021).
- Weaver, I.C., López-Morales, M., Alam, M.K., Espinoza, N., Rackham, B.V., Goyal, J.M., MacDonald, R.J., Lewis, N.K., Apai, D., Bixel, A., Jordán, A., Kirk, J., McGruder, C.D., Osip, D.J. ACCESS: An optical transmission spectrum of the high-gravity, hot Jupiter HAT-P-23b, The Astronomical Journal, 161, 6, pp.279-301 (2021).
- McGruder, C.D., López-Morales, M., Espinoza, N., Rackham, B.V., Apai, D., Jordán, A., Osip, D.J., Alam, M.K., Bixel, A., Fortney, J.J., Henry, G.W., Kirk, J., Lewis, N.K., Rodler, F., Weaver, I.C. ACCESS: Confirmation of no potassium in the atmosphere of WASP-31b, The Astronomical Journal, 160, 5, pp.230-252 (2020).
- Carter, A.L., Nikolov, N., Sing, D.K., Alam, M.K., Goyal, J.M., Mikal-Evans, T., Wakeford, H.R., Henry, G.W., Morell, S., López-Morales, M., Smalley, B., Lavvas, P., Barstow, J.K., García Muñoz, A., Wilson, P.A., Gibson, N.P. Detection of Na, K, and H₂O in the hazy atmosphere of WASP-6b, Monthly Notices of the Royal Astronomical Society, 494, 4, pp.5449-5472 (2020).
- 8. Bruno, G., Lewis, N.K., Alam, M.K., López-Morales, M., Wakeford, H.R., Barstow, J.K., Sing, D.K., Ballester, G.E., Bourrier, V., Buchhave, L.A., Cohen, O., Evans, T.M., García Muñoz, A., Lavvas, P., Sanz-Forcada, J. WASP-52b. The effect of starspot correction on atmospheric retrievals, Monthly Notices of the Royal Astronomical Society, 491, 4, pp.5361-5375 (2020).
- 7. Weaver, I., López-Morales, M., Espinoza, N., Rackham, B.V., Osip, D.J., Apai, D., Jordán, A., Bixel, A., Fortney, J.J., Lewis, N.K., Alam, M.K., Kirk, J., McGruder, C., Rodler, F., Fienco, J. ACCESS: An

- Optical to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H₂O, and Stellar Surface Heterogeneity, but no evidence of Na or K, The Astronomical Journal, 159, 1, pp.13-34 (2020).
- Helling, C., Iro, N., Corrales, L., Samra, D., Ohno, K., Alam, M.K., Steinrueck, M., Lew, B., Molaverdikhani, K., MacDonald, R.J., Herbort, O., Woitke, P., Parmentier, V. Understanding the atmospheric properties and chemical composition of the ultra-hot Jupiter HAT-P-7b. I. Cloud and chemistry mapping, Astronomy & Astrophysics, 631, 1, pp.A79-A108 (2019).
- Riedel, A.R., diTomasso, V., Rice, E.L., Alam, M.K., Abrahams, E., Crook, J., Cruz, K.L., and Faherty, J.K. Radial Velocities, Space Motions, and Nearby Young Moving Group Memberships of Eleven Candidate Young Brown Dwarfs, The Astronomical Journal, 157, 6, pp.247-265 (2019).
- 4. Evans, T.M., Sing, D.K., Goyal, J., Nikolov, N., Marley, M.S., Zahlne, K., Henry, G.W., Barstow, J.K., Alam, M.K., Sanz-Forcada, J., Kataria, T., Lewis, N.K., Lavvas, P., Ballester, G.E., Ben-Jaffel, L., Blumenthal, S.D., Bourrier, V., Drummond, B., García Muñoz, A., López-Morales, M., Tremblin, P., Ehrenreich, D., Wakeford, H.R., Buchhave, L.A., Lecavelier des Etangs, A., Hèbrard, G., Williamson, M.H. An Optical Transmission Spectrum for the ultra-hot Jupiter WASP-121b Measured with the Hubble Space Telescope, The Astronomical Journal, 156, 6, pp.283-317 (2018).
- 3. Bean, J.L., Stevenson, K.B., Batalha, N.M., Berta-Thompson, Z., Kriedberg, L., et al. (including Alam, M.K.) The Transiting Exoplanet Community Early Release Science Program for JWST, Publications of the Astronomical Society of the Pacific, 130, 993, pp.114402-114422 (2018).
- Bruno, G. Lewis, N.K., Stevenson, K.B., Filippazzo, J., Hill, M., Fraine, J.D., Wakeford, H.R., Deming, D., López-Morales, M., & Alam, M.K. Starspot Occultations in Infrared Transit Spectroscopy? The Case of WASP-52b, The Astronomical Journal, 156, 3, pp.124-138 (2018).
- Gizis, J.E., Dettman, K. G., Burgasser, A. J., Camnasio, S, Alam, M.K., Filippazzo, J.C., Cruz, K.L., Metchev, S., Berger, E., & Williams, P.K.G. Kepler Monitoring of an L Dwarf II. Clouds with Multiyear Lifetimes, The Astrophysical Journal, 813, 2, pp.104-114 (2015).

UNREFEREED MANUSCRIPTS

- 6. Rackham, Espinoza et al. (including Alam, M.K.) The Effect of Stellar Contamination on Space-based Transmission Spectroscopy, NASA Exoplanet Exploration Program SAG21 Final Report
- 5. López-Morales, M. et al. (including Alam, M.K.) Another Servicing Mission to Extend Hubble Space Telescope's Science past the Next Decade, National Academy of Sciences Astro2020 Science White Paper (2019).
- 4. López-Morales, M. et al. (including Alam, M.K.) Detecting Earth-like Biosignatures on Rocky Exoplanets around Nearby Stars with Ground-based Extremely Large Telescopes, National Academy of Sciences Astro2020 Science White Paper (2019).
- 3. Plavchan, P. et al. (including Alam, M.K.) "Exoplanet Science Strategy" and "Astrobiology Strategy for the Search for Life in the Universe", National Academy of Sciences Astro2020 Science White Paper (2019).
- 2. Fortney, J.J., et al. (including Alam, M.K.) The Need for Laboratory Measurements and Ab Initio Studies to Aid Understanding of Exoplanetary Atmospheres, National Academy of Sciences Astro2020 Science White Paper (2019).
- 1. **Alam, M.K.**, et al. *Photometric and Spectral Analysis of Blue and Red L Dwarfs*, Cool Stars 18 Conference Proceedings (2014).