First-Author Refereed Publications

A. A. Khostovan, S. Malhotra, J. Rhoads, et al. (2024)
Redshift, Stellar Mass-dependent Evolution of Hα Equivalent Widths from $z \sim 0.4-2.2$: implications for star formation, *NGRST*, and *Euclid*
MNRAS, submitted

A. A. Khostovan, S. Malhotra, J. Rhoads, et al. (2021)
Correlations between Hα Equivalent Width and Galaxy Properties at $z = 0.47$: Physical or Selection-Driven?
MNRAS, 503, 5115

A. A. Khostovan, S. Malhotra, J. Rhoads, et al. (2020)
A large, deep 3 deg^2 survey of Hα, [OIII], and [OII] emitters from LAGER: constraining luminosity functions
MNRAS, 493, 3966

A. A. Khostovan, D. Sobral, B. Mobasher, et al. (2019)
The clustering of typical Lyα emitters from $z \sim 2.5-6$: host halo masses depend on Lyα and UV luminosities
MNRAS, 489, 555

A. A. Khostovan, D. Sobral, B. Mobasher, et al. (2018)
The clustering of Hβ+[OIII] and [OII] emitters since $z \sim 5$: dependencies with line luminosity and stellar mass
MNRAS, 478, 2999

A. A. Khostovan, D. Sobral, B. Mobasher, et al. (2016)
The nature of Hβ+[OIII] and [OII] emitters to $z \sim 5$ with HiZELS: stellar mass functions and the evolution of EWs
MNRAS, 463, 2363
Press Release Hyperlink

A. A. Khostovan, D. Sobral, B. Mobasher, et al. (2015)
Evolution of the Hβ+[OIII] and [OII] Luminosity Functions and the [OII] Star-Formation History of the Universe up to $z \sim 5$
MNRAS, 452, 3948

Other Refereed Publications

F. Sinigaglia, G. Rodighiero, ..., **A. A. Khostovan** et al. (submitted)
MIGHTEE-HI: HI galaxy properties in the large-scale structure environment at $z \sim 0.37$ from a stacking experiment
MNRAS, submitted

S. Rezaee, N. Reddy, ..., **A. A. Khostovan** et al. (2023)
Exploring the correlation between Hα-to-UV ratio and burstiness for typical star-forming galaxies at $z \sim 2$
MNRAS, 526, 1512

C. Casey, J. Kartaltepe, ..., **A. A. Khostovan** et al. (2023)
COSMOS-Web: An Overview of the JWST Cosmic Origins Survey
ApJ, 954, 31

S. Harish, I. Wold, S. Malhotra, ..., **A. A. Khostovan** et al. (2022)
New spectroscopic confirmations of Lyα emitters at z $\sim$ 7 from the LAGER survey
ApJ, 934, 167

I. Wold, S. Malhotra, J. Rhoads, ..., **A. A. Khostovan** et al. (2022)
LAGER Lyα Luminosity Function at $z \sim 7$: Implications for Reionization
ApJ, 927, 36

S. Rezaee, N. Reddy, ... **A. .A. Khostovan** et al. (2021)
Variation of the nebular dust attenuation curve with the properties of local star-forming galaxies
MNRAS, 506, 3588

S. Santos, D. Sobral, ..., **A. A. Khostovan** et al. (2021)
The Evolution of the UV luminosity and Stellar Mass Functions of Lyα emitters from $z \sim 2$ to $z \sim 6$
MNRAS, 505, 1117

W. Hu, J. Wang, L. Infante, ..., **A. A. Khostovan** et al. (2021)
A Lyman-α protocluster at redshift 6.9
Nature, 5, 485

S. Harish, A. Coughlin, J. Rhoads, ..., **A. A. Khostovan** et al. (2020)
A Comprehensive Study of Hα Emitters at $z \sim 0.62$ in the DAWN Survey: the Need for Deep and Wide Regions
ApJ, 892, 30

W. Hu, J. Wang, Z. Zheng, ..., **A. A. Khostovan** et al. (2019)
The Lyα Luminosity Function and Cosmic Reionization at $z \sim 7.0$: a Tale of Two LAGER Fields
ApJ, 886, 90

M. Jafariyazani, B. Mobasher, ..., **A. A. Khostovan** et al. (2019)
Spatially Resolved Properties of Galaxies from CANDELS+MUSE: Radial Extinction Profile and Insights on Quenching
ApJ, 887, 204

Z. Zheng, J. Rhoads, J. Wang, ..., **A. A. Khostovan** et al. (2019)
Design for the First Narrowband Filter for the Dark Energy Camera: Optimizing the LAGER Survey for $z \sim 7$ Galaxies
PASP, 131, 4502

D. Sobral, S. Santos, J. Matthee, ..., **A. A. Khostovan** et al. (2018)
Slicing COSMOS with SC4K: the evolution of typical Lyα emitters and the Lyα escape fraction from $z \sim 2$ to $z \sim 6$
MNRAS, 476, 4725

T. Suzuki, T. Kodama, M. Onodera, ..., **A. A. Khostovan** et al. (2017)
The interstellar medium in [OIII]-selected star-forming galaxies at $z \sim 3.2$
ApJ, 849, 39

J. Matthee, D. Sobral, P. N. Best, **A. A. Khostovan** et al. (2017)
The production and escape of Lyman-Continuum radiation from star-forming galaxies at $z \sim 2$ and their redshift evolution
MNRAS, 465, 3637

H. Nayyeri, S. Hemmati, B. Mobasher, ..., **A. A. Khostovan** et al. (2017)
CANDELS Multi-wavelength Catalogs: Source Identification and Photometry in the CANDELS COSMOS Survey Field
ApJS, 228, 7

T. Suzuki, T. Kodama, D. Sobral, **A. A. Khostovan** et al. (2016)
[O III] emission line as a tracer of star-forming galaxies at high redshifts: comparison between Hα and [OIII] emitters at $z = 2.23$ in HiZELS
MNRAS, 462, 181

D. Sobral, J. Matthee, P. N. Best, I. Smail, **A. A. Khostovan** et al. (2015)
CF-HiZELS, a 10 deg^2 emission-line survey with spectroscopic follow-up: Hα, [OIII], and [OII] luminosity functions and sample variance at $z = 0.8$, 1.4, and 2.2
MNRAS, 451, 2303

S. Kim, J. Wardlow, A. Cooray, S. Fleuren, W. Sutherland, **A. A. Khostovan**, et al. (2012)
Spitzer IRAC Identification of Herschel-ATLAS SPIRE Sources
Astrophysical Journal, 756, 28

R. Hopwood, J. Wardlow, A. Cooray, **A. A. Khostovan**, et al. (2011)
Spitzer Imaging of Herschel-ATLAS Gravitationally Lensed Submillimeter Sources
Astrophysical Journal Letter, 728, L4+

A. M. Koekemoer, S. M. Faber, ... **A. A. Khostovan**, et al. (2011)
CANDELS: The Cosmic Assembly Near-infrared Deep Extragalactic Legacy Survey - The Hubble Space Telescope Observations, Imaging Data Products and Mosaics
Astrophysical Journal Supplement, 197, 36K

A. Amblard, A. Cooray, ... **A. A. Khostovan**, et al. (2011)
Sub-millimetre galaxies reside in dark matter halos with masses greater than 3×10^{11} solar masses
Nature, 470, 510

A. Cooray, ... **A. A. Khostovan**, et al. (2010)
The Herschel-SPIRE Legacy Survey (HSLS): the scientific goals of a shallow and wide submillimeter imaging survey with SPIRE
White Paper

A. Cooray, ... **A. A. Khostovan**, et al. (2010)
HerMES: Halo Occupation Number and Bias Properties of Dusty Galaxies from Angular Clustering Measurements
Astronomy & Astrophysics, 518, L22+

In Prep Publications

A. A. Khostovan, J. Kartaltepe, M. Salvato, O. Ilbert, C. Casey, et al.
COSMOS Redshift Compilation (working title)

A. A. Khostovan, J. Kartaltepe, et al.
COSMOS Spectroscopic Archive I. Subaru/FMOS (working title)

A. A. Khostovan, J. Kartaltepe, et al.
COSMOS Spectroscopic Archive II. Gemini/GMOS (working title)

A. A. Khostovan, J. Kartaltepe, et al.
COSMOS Spectroscopic Archive III. Intense Extreme Emission Line Galaxy at $z \sim 0.8$: Analog of high-z star-forming galaxies (working title)