

Laura Venuti

Research Scientist

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Education

- 2012–2015 **Ph.D. in Astrophysics**,
*Institut de Planétologie et d'Astrophysique de Grenoble (IPAG),
Université Grenoble Alpes (UGA), France,*
Joint degree with Università degli Studi di Palermo, Italy.
Dissertation: *Accretion regimes and variability in young stars: imprints on UV photometry*
Graduated on October 23, 2015
- 2010–2012 **Master's Degree in Physics (Astrophysics curriculum)**,
Università degli Studi di Palermo, Italy.
Thesis: *Extensive studies of T Tauri stars and of their variability: u,g,r,i photometry of the young open cluster NGC 2264*
Graduated on October 25, 2012, with highest grades and honors
- 2007–2010 **Bachelor's Degree in Physical Sciences**,
Università degli Studi di Palermo, Italy.
Thesis: *Spectral energy distributions of young stars with disks*
Graduated on October 28, 2010, with highest grades and honors

Employment history and internships

- 2021–present **Research Scientist, SETI Institute, Mountain View, CA, USA.**
- *Science focus*: Accretion dynamics, magnetic activity, and stellar multiplicity in the ~ 1 Myr-old Lagoon Nebula region
 - *Method*: Analysis of Kepler/K2 high-precision photometry, VLT/FLAMES spectroscopy, and Gemini/Zorro speckle imaging data
- 2018–2021 **NASA Postdoctoral Program (NPP) Fellow, NASA Ames Research Center, Mountain View, CA, USA.**
- *Science focus*: Physics and timescales of young star variability as a function of spectral class in the ~ 1 Myr-old Lagoon Nebula region
 - *Method*: Analysis of Kepler/K2 high-precision photometry and VST/OmegaCAM multi-band photometry
- 2018 **Visiting Scholar, Cornell Center for Astrophysics and Planetary Science, Cornell University, Ithaca, NY, USA.**
(3 months)
- *Science focus*: Disk accretion and star-disk interaction in young, low-mass stars and brown dwarfs in the ~ 8 – 10 Myr-old TW Hydrae association
 - *Method*: Analysis of VLT/X-shooter wide-range spectroscopy (300–2500 nm)
- 2018 **Postdoctoral Researcher, Eberhard Karls Universität, Institut für Astronomie & Astrophysik Tübingen (IAAT), Germany.**
(6 months)
- *Science focus*: Disk accretion at the age of disk dispersal in the ~ 8 – 10 Myr-old TW Hydrae association
 - *Method*: Analysis of VLT/X-shooter wide-range spectroscopy (300–2500 nm)
- 2015–2017 **Postdoctoral Researcher, Istituto Nazionale di Astrofisica – Osservatorio Astronomico di Palermo (INAF–OAPa), Italy.**
- *Science focus*: Membership census, structure, and star-formation history of the ~ 3 – 5 Myr-old cluster NGC 2264; testing of photometric methods to reveal and characterize young clustered populations of low-mass stars in crowded fields, as part of the LSST–INAF collaboration
 - *Method*: Analysis of VLT/FLAMES high-resolution spectroscopy from the Gaia-ESO Survey; analysis of deep multi-band photometry from large-scale surveys (Pan-STARRS1, 2MASS, UKIDSS)

- Nov. 2015 **Postdoctoral Researcher**, *Centre National de la Recherche Scientifique (CNRS) and IPAG*, Grenoble, France.
- *Science focus*: Rotation–accretion connection in young stars belonging to the NGC 2264 cluster
 - *Method*: Analysis of *CoRoT* high-precision time series photometry from the CSI 2264 campaign
- 2015 **Service Observer**, *Télescope Bernard Lyot, Pic du Midi, Observatoire Midi-Pyrénées*, France.
- (1 week) ○ *Objective*: Training to schedule and perform observations with the spectropolarimeter NARVAL
- *Tasks*: Instrument calibration, target selection, data acquisition
- 2012–2015 **Ph.D. student**, *UGA and IPAG*, Grenoble, France.
- *Science focus*: Statistical study of disk accretion, variability, and rotation in the young cluster NGC 2264
 - *Method*: Analysis of multi-wavelength photometric monitoring obtained with CFHT/MegaCam and high-precision time series photometry obtained with *CoRoT* as part of the CSI 2264 campaign
- 2012 **Erasmus exchange student**, *Université Joseph Fourier (UJF) and IPAG*, Grenoble, France.
- (6 months) ○ *Science focus*: Characterization of spot-induced and accretion-induced variability signatures on young stars in the open cluster NGC 2264
- *Method*: Analysis of optical and UV photometry (*u, g, r, i*) obtained with CFHT/MegaCam
- 2009–2010 **Undergraduate intern**, *INAF – Istituto di Astrofisica Spaziale e Fisica Cosmica, Palermo*, Italy.
- (5 months) ○ *Science focus*: Variability and orbital parameters of the X-ray binary IGR J17511-3057
- *Method*: Analysis of XMM-Newton data

Scholarships, fellowships, grants, and awards

- 2021 Co-recipient (co-PI) of a Preparing for Astrophysics with LSST Program's Kickstarter Grant
SETI Institute, USA
- 2021 Selected for an ESA Research Fellowship in Space Science (*offer declined*)
ESA/European Space Research and Technology Centre, The Netherlands
- 2020 Co-recipient (co-I) of a NASA Astrophysics Data Analysis Program (ADAP) grant
SETI Institute, USA
- 2018 Recipient of a NASA Postdoctoral Program (NPP) Fellowship
Universities Space Research Association, USA
- 2017 Recipient of interim research funding from the Bridging Funds Excellence Initiative
Eberhard Karls Universität Tübingen, Germany
- 2012 Recipient of a doctoral scholarship from the French Ministry of Higher Education and Research
Université Grenoble Alpes, France
- 2011 Recipient of an Erasmus mobility scholarship
Università degli Studi di Palermo, Italy
- 2009 Recipient of a merit-based reward for undergraduate students pursuing a degree in Sciences
Università degli Studi di Palermo, Italy

Participation to international projects and collaborations

- CSI 2264 **Coordinated Synoptic Investigation of NGC 2264** (PI: J. Stauffer and G. Micela; ~50 Co-Is).
Specific involvement: Analysis of optical and UV light curves (CFHT/MegaCam, *CoRoT*) to investigate disk accretion, accretion variability and rotation of young stars in NGC 2264.
- SPIRou **SpectroPolarimètre InfraRouge** (PI: J.-F. Donati and R. Doyon; ~100 scientists).
Specific involvement: Member of the SPIRou Science Team for the preparation of the Legacy Survey component on magnetic properties of young, disk-bearing stars.
- GES **Gaia-ESO Survey** (PI: G. Gilmore and S. Randich; >400 Co-Is).
Specific involvement: Analysis of spectroscopic and photometric data for NGC 2264 to investigate the structure and star formation history of the cluster.

- JEDI ***JEts and Disks at INAF*** (~30 scientists). *Specific involvement:* Analysis of VLT/X-shooter spectra for disk-bearing young stars to investigate the final stages of disk accretion.
- LSST ***Vera C. Rubin Observatory's Legacy Survey of Space and Time***. *Specific involvement:* Using deep, multi-wavelength photometry to reveal and characterize star clusters and young stellar populations from the analysis of M-stars in the field; investigating the variability of young stars from hours to years timescales; contributing to the survey strategy planning by optimizing the observing cadence to be implemented for static and dynamic young star cluster science.
- PENELLOPE ***European Southern Observatory (ESO) program to complement the Hubble UV Legacy Library of Young Stars (ULLYSES) program*** (PI: C. F. Manara; ~70 scientists). *Specific involvement:* Analysis of UV/optical/IR spectra to study the variability and evolution of disk accretion in young stars.

Professional service

- Referee for *Astronomy & Astrophysics*, *Astronomische Nachrichten*, *The Astronomical Journal*
- Panelist for the *National Science Foundation's* (NSF) *Astronomy & Astrophysics* program
- External reviewer for NASA's *Future Investigators in NASA Earth and Space Science and Technology* (FINESST) program
- Proposal reviewer for the *Gemini Fast Turnaround* program
- Member of the Scientific Organizing Committee, TASC6/KASC13 Workshop *Asteroseismology in the Era of Surveys from Space and the Ground: Stars, Planets, and the Milky Way*
- External collaborator for the *Requirements Baseline–Near-IR & Far-IR* component of the *European Stratospheric Balloon Observatory* Design Study

Invited colloquium and seminar talks

- Apr. 2019 Center for Integrative Planetary Science, UC Berkeley, CA, USA
- Jan. 2018 INAF–Osservatorio Astronomico di Roma, Italy
- Mar. 2017 Institut für Astronomie & Astrophysik, Tübingen, Germany

Talks in international meetings, workshops and conferences

- Oct. 2021 Contributed talk, ***Star Formation: From Clouds to Disks***, Malahide, Ireland.
Presentation title: *Multicolor Variability of Young Stars across the Mass Spectrum*
- Jan. 2021 Contributed talk, ***American Astronomical Society 237th Meeting***, virtual conference.
Presentation title: *Multicolor Variability of Young Stars in the Lagoon Nebula: Physical Drivers and Intrinsic Timescales*
- Aug. 2019 **Keynote presentation, *Stars and their Variability, observed from Space***, Vienna, Austria.
Presentation: *Dynamics of star-disk interaction processes in young, low-mass stars as seen from space*
- June 2019 Contributed talk, ***European Week of Astronomy and Space Science***, Lyon, France.
Title: *A dynamical view of star-disk interaction in young star clusters from space-based photometry*
- June 2019 Contributed talk, ***Gaia's view of Pre-Main Sequence evolution: Linking the T Tauri and Herbig Ae/Be stars***, Leeds, UK.
Title: *A dynamical view of star-disk interaction processes in young open clusters as seen from space*
- Mar. 2019 Contributed talk, ***Kepler & K2 Science Conference V***, Glendale, California, US.
Presentation: *A Dynamical View of Star-disk Interaction Processes in the Lagoon Nebula with Kepler/K2*
- Oct. 2018 **Invited review, *Take a Closer Look: The innermost region of protoplanetary discs and its connection to the origin of planets***, Garching bei München, Germany.
Title: *Observations of star-disk interaction and link to disk evolution at the epoch of planet formation*

- June 2018 **Invited talk, *Protoplanetary disks seen through the eyes of new-generation high-resolution instruments***, Rome, Italy.
Presentation title: *Accretion variability in young, low mass stars*
- Sept. 2017 Contributed talk, ***Gaia-ESO Survey Fourth Science Meeting***, Catania, Italy.
Presentation title: *Substructures, age spread and sequential star formation in the young cluster NGC 2264*
- Nov. 2016 Contributed talk, ***TOUPIES closing meeting***, Montpellier, France.
Presentation title: *Rotation–accretion connection in young stars: the case of NGC 2264*
- Aug. 2016 Contributed talk, ***Star Formation 2016***, Exeter, United Kingdom.
Presentation title: *Variety of accretion regimes in the young open cluster NGC 2264*
- June 2016 Contributed talk, ***Third JEDI progress meeting***, Arcetri, Italy.
Presentation title: *Variety of accretion regimes in young low-mass stars: the NGC 2264 cluster*
- May 2016 **Solicited talk, *Second SPIRou science meeting***, Nice, France.
Presentation title: *Regimes of magnetospheric accretion in CTTS*
- Nov. 2015 **Invited talk, *First MaTYSSSE meeting***, Toulouse, France.
Presentation title: *Variety of accretion regimes in classical T Tauri stars*
- Oct. 2015 Contributed talk, ***Exchanging mass, momentum, and ideas: connecting accretion and outflows in young stellar objects***, Noordwijk, The Netherlands.
Presentation title: *Accretion regimes and variability in the young open cluster NGC 2264*
- Nov. 2014 **Solicited talk, *Rencontres d’Astrostatistique 2014***, Grenoble, France.
Presentation title: *Looking for correlations in censored data: the Kendall tau test*
- Oct. 2014 Contributed talk, ***2nd Edition of the ZAH-IPAG-MPIA Workshop***, Ringberg, Germany.
Presentation title: *Accretion variability in the young open cluster NGC 2264*

Selected posters in international conferences

- Aug. 2021 ***TESS Science Conference II***, virtual conference.
L. Venuti, A. M. Cody, L. M. Rebull, G. Beccari, M. Irwin, S. Thanvantri, S. B. Howell, and G. Barentsen: *Multicolor Variability of Young Stars with Disks: Insights from Coordinated Space and Ground Observations*
- July 2021 ***2021 Sagan Summer Workshop – Circumstellar Disks and Young Planets***, virtual conference.
L. Venuti, A. M. Cody, L. M. Rebull, G. Beccari, M. Irwin, S. Thanvantri, S. B. Howell, and G. Barentsen: *Multicolor Variability of Young Stars with Disks: Insights from Coordinated Space and Ground Data*
- Mar. 2021 ***Cool Stars 20.5***, virtual conference.
L. Venuti, A. M. Cody, L. M. Rebull, G. Beccari, M. Irwin, S. Thanvantri, S. B. Howell, and G. Barentsen: *Multicolor Variability of Young Stars in the Lagoon Nebula: Driving Causes and Intrinsic Timescales*
- June 2020 ***AAS 236th Meeting***, virtual conference.
L. Venuti, A. M. Cody, G. Beccari, L. Rebull, and S. B. Howell: *Dynamics of Star-Disk Interaction Processes in Young Stars revealed by Kepler/K2*
- June 2017 ***Francesco’s Legacy: Star Formation in Space and Time***, Florence, Italy.
L. Venuti, L. Prisinzano, G. Sacco, E. Flaccomio, R. Bonito, F. Damiani, G. Micela, M. Guarcello, GES and CSI 2264 Collaborations: *Age spread and sequential star formation in the young cluster NGC 2264*
- June 2014 ***Cool Stars 18***, Flagstaff, Arizona, US.
L. Venuti, J. Bouvier, J. Irwin and the CSI 2264 Team: *Mapping accretion and its variability in the young cluster NGC 2264*
- July 2013 ***Protostars and Planets VI***, Heidelberg, Germany.
L. Venuti, J. Bouvier, J. Irwin, J. R. Stauffer, A. M. Cody, G. Micela and the CSI 2264 Team: *UV variability and accretion in PMS stars in NGC 2264*
- June 2012 ***Cool Stars 17***, Barcelona, Spain.
J. Bouvier, **L. Venuti**, J. Irwin, J. Stauffer and the CSI 2264 Collaboration: *The u-band variability of T Tauri stars in NGC 2264*

Observing experience

- CFHT 3 programs as PI, 1 program as Co-I; 40.3 total hours awarded
Instrument used: MegaCam
- VLT 2 programs as PI, 2 programs as Co-I (one Large Program); 285.5 total hours awarded
Instruments used: X-shooter, UVES, ESPRESSO
- Gemini 2 programs as PI, 1 program as Co-I; 56.5 hours awarded (21 hours lost to COVID-19)
Instruments used: Zorro, IGRINS
- REM 2 programs as Co-I; 40 total hours awarded
Instruments used: ROS2, REMIR
- LCO 1 program as PI; 36 hours awarded
Instruments used: 1-meter/Sinistro

Languages

- Italian Mother tongue
- English Level C2 of Common European Framework of Reference for Languages
- French Level B2 of Common European Framework of Reference for Languages

Computer skills

- OS Windows, Linux, Mac OS X
- Programming C, C++, Python
- Data analysis TOPCAT, IRAF, R
- Other tools Office, LaTeX, SuperMongo

Publications

- [1] G. D. Marleau, Y. Aoyama, R. Kuiper, K. Follette, N. J. Turner, G. Cugno, C. F. Manara, S. Y. Haffert, D. Kitzmann, S. C. Ringqvist, K. R. Wagner, R. van Boekel, S. Sallum, M. Janson, T. O. B. Schmidt, **L. Venuti**, Ch. Lovis, and C. Mordasini. *Accreting protoplanets: Spectral signatures and magnitude of gas and dust extinction at $H\alpha$* . *Astronomy & Astrophysics*, 657:A38, January 2022.
- [2] A. Frasca, H. M. J. Boffin, C. F. Manara, J. M. Alcalá, P. Ábrahám, E. Covino, M. Fang, M. Gangi, G. J. Herczeg, Á. Kóspál, **L. Venuti**, F. M. Walter, J. Alonso-Santiago, K. Grankin, M. Siwak, E. Alecian, and S. Cabrit. *PENELLOPE. II. CVSO 104: A pre-main sequence close binary with an optical companion in Ori OB1*. *Astronomy & Astrophysics*, 656:A138, December 2021.
- [3] **L. Venuti**, A. M. Cody, L. M. Rebull, G. Beccari, M. J. Irwin, S. Thanvantri, S. B. Howell, and G. Barentsen. *Multicolor Variability of Young Stars in the Lagoon Nebula: Driving Causes and Intrinsic Timescales*. *The Astronomical Journal*, 162(3):101, September 2021.
- [4] C. F. Manara, A. Frasca, **L. Venuti**, M. Siwak, G. J. Herczeg, N. Calvet, J. Hernandez, Ł. Tychoniec, M. Gangi, J. M. Alcalá, H. M. J. Boffin, B. Nisini, M. Robberto, C. Briceno, J. Campbell-White, A. Sicilia-Aguilar, P. McGinnis, D. Fedele, Á. Kóspál, P. Ábrahám, J. Alonso-Santiago, S. Antonucci, N. Arulanantham, F. Bacciotti, A. Banzatti, G. Beccari, M. Benisty, K. Biazzo, J. Bouvier, S. Cabrit, A. Caratti o Garatti, D. Coffey, E. Covino, C. Dougados, J. Eislöffel, B. Ercolano, C. C. Espaillat, J. Erkal, S. Facchini, M. Fang, E. Fiorellino, W. J. Fischer, K. France, J. F. Gameiro, R. Garcia Lopez, T. Giannini, C. Ginski, K. Grankin, H. M. Günther, L. Hartmann, L. A. Hillenbrand, G. A. J. Hussain, M. M. James, M. Koutoulaki, G. Lodato, K. Maucó, I. Mendigutía, R. Mentel, A. Miotello, R. D. Oudmaijer, E. Rigliaco, G. P. Rosotti, E. Sanchis, P. C. Schneider, L. Spina, B. Stelzer, L. Testi, T. Thanathibodee, J. S. Vink,

- F. M. Walter, J. P. Williams, and G. Zsidi. *PENELLOPE: The ESO data legacy program to complement the Hubble UV Legacy Library of Young Stars (ULLYSES). I. Survey presentation and accretion properties of Orion OB1 and σ -Orionis*. *Astronomy & Astrophysics*, 650:A196, June 2021.
- [5] R. Bonito, L. Prisinzano, **L. Venuti**, F. Damiani, G. Micela, G. Sacco, G. Traven, K. Biazzo, L. Sbordone, T. Masseron, T. Zwitter, A. Gonneau, A. Bayo, V. Roccatagliata, S. Randich, J. S. Vink, P. Jofre, E. Flaccomio, L. Magrini, G. Carraro, L. Morbidelli, A. Frasca, L. Monaco, E. Rigliaco, C. Worley, A. Hourihane, G. Gilmore, E. Franciosini, J. Lewis, and S. Koposov. *The Gaia-ESO Survey: A new diagnostic for accretion and outflow activity in the young cluster NGC 2264*. *Astronomy & Astrophysics*, 642:A56, October 2020.
- [6] A. Frasca, C. F. Manara, J. M. Alcalá, K. Biazzo, **L. Venuti**, E. Covino, G. Rosotti, B. Stelzer, and D. Fedele. *ISO-Chal 52: a weakly accreting young stellar object with a dipper light curve*. *Astronomy & Astrophysics*, 639:L8, July 2020.
- [7] **L. Venuti**, B. Stelzer, J. M. Alcalá, C. F. Manara, A. Frasca, R. Jayawardhana, S. Antonucci, C. Argiroffi, A. Natta, B. Nisini, S. Randich, and A. Scholz. *X-shooter spectroscopy of young stars with disks. The TW Hydrae association as a probe of the final stages of disk accretion*. *Astronomy & Astrophysics*, 632:A46, December 2019.
- [8] M. G. Guarcello, E. Flaccomio, G. Micela, C. Argiroffi, S. Sciortino, **L. Venuti**, J. Stauffer, L. Rebull, and A. M. Cody. *CSI 2264: Simultaneous optical and X-ray variability in the pre-main sequence stars of NGC 2264. II. Photometric variability, magnetic activity, and rotation in class III objects and stars with transition disks*. *Astronomy & Astrophysics*, 628:A74, August 2019.
- [9] **L. Venuti**, F. Damiani, and L. Prisinzano. *Deep, multiband photometry of low-mass stars to reveal young clusters: A blind study of the NGC2264 region*. *Astronomy & Astrophysics*, 621:A14, January 2019.
- [10] L. Prisinzano, F. Damiani, M. G. Guarcello, G. Micela, S. Sciortino, E. Tognelli, and **L. Venuti**. *Low mass star formation and subclustering in the HII regions RCW 32, 33 and 27 of the Vela Molecular Ridge. A photometric diagnostics to identify M-type stars*. *Astronomy & Astrophysics*, 617:A63, September 2018.
- [11] **L. Venuti**, L. Prisinzano, G. G. Sacco, E. Flaccomio, R. Bonito, F. Damiani, G. Micela, M. G. Guarcello, S. Randich, J. R. Stauffer, A. M. Cody, R. D. Jeffries, S. H. P. Alencar, E. J. Alfaro, A. C. Lanzafame, E. Pancino, A. Bayo, G. Carraro, M. T. Costado, A. Frasca, P. Jofré, L. Morbidelli, S. G. Sousa, and S. Zaggia. *The Gaia-ESO Survey and CSI 2264: Substructures, disks, and sequential star formation in the young open cluster NGC 2264*. *Astronomy & Astrophysics*, 609:A10, January 2018.
- [12] M. G. Guarcello, E. Flaccomio, G. Micela, C. Argiroffi, S. Sciortino, **L. Venuti**, J. Stauffer, L. Rebull, and A. M. Cody. *CSI 2264: Simultaneous optical and X-ray variability in pre-main sequence stars. I. Time resolved X-ray spectral analysis during optical dips and accretion bursts in stars with disks*. *Astronomy & Astrophysics*, 602:A10, June 2017.
- [13] E. Gillen, S. Aigrain, C. Terquem, J. Bouvier, S. H. P. Alencar, D. Gandolfi, J. Stauffer, A. Cody, **L. Venuti**, P. V. Almeida, G. Micela, F. Favata, and H. J. Deeg. *CoRoT 223992193: Investigating the variability in a low-mass, pre-main sequence eclipsing binary with evidence of a circumbinary disk*. *Astronomy & Astrophysics*, 599:A27, February 2017.
- [14] **L. Venuti**, J. Bouvier, A. M. Cody, J. R. Stauffer, G. Micela, L. M. Rebull, S. H. P. Alencar, A. P. Sousa, L. A. Hillenbrand, and E. Flaccomio. *CSI 2264: Investigating rotation and its connection with disk accretion in the young open cluster NGC 2264*. *Astronomy & Astrophysics*, 599:A23, February 2017.

- [15] J. Bouvier, A. C. Lanzafame, **L. Venuti**, A. Klutsch, R. Jeffries, A. Frasca, E. Moraux, K. Biazzo, S. Messina, G. Micela, S. Randich, J. Stauffer, A. M. Cody, E. Flaccomio, G. Gilmore, A. Bayo, T. Bensby, A. Bragaglia, G. Carraro, A. Casey, M. T. Costado, F. Damiani, E. Delgado Mena, P. Donati, E. Franciosini, A. Hourihane, S. Koposov, C. Lardo, J. Lewis, L. Magrini, L. Monaco, L. Morbidelli, L. Prisinzano, G. Sacco, L. Sbordone, S. G. Sousa, A. Vallenari, C. C. Worley, S. Zaggia, and T. Zwitter. *The Gaia-ESO Survey: A lithium-rotation connection at 5 Myr?* *Astronomy & Astrophysics*, 590:A78, May 2016.
- [16] J. Stauffer, A. M. Cody, L. Rebull, L. A. Hillenbrand, N. J. Turner, J. Carpenter, S. Carey, S. Terebey, M. Morales-Calderón, S. H. P. Alencar, P. McGinnis, A. Sousa, J. Bouvier, **L. Venuti**, L. Hartmann, N. Calvet, G. Micela, E. Flaccomio, I. Song, R. Gutermuth, D. Barrado, F. J. Vrba, K. Covey, W. Herbst, E. Gillen, M. Medeiros Guimarães, H. Bouy, and F. Favata. *CSI 2264: Characterizing Young Stars in NGC 2264 with Stochastically Varying Light Curves*. *The Astronomical Journal*, 151:60, March 2016.
- [17] A. P. Sousa, S. H. P. Alencar, J. Bouvier, J. Stauffer, **L. Venuti**, L. Hillenbrand, A. M. Cody, P. S. Teixeira, M. M. Guimarães, P. T. McGinnis, L. Rebull, E. Flaccomio, G. Fűrész, G. Micela, and J. F. Gameiro. *CSI 2264: Accretion process in classical T Tauri stars in the young cluster NGC 2264*. *Astronomy & Astrophysics*, 586:A47, February 2016.
- [18] **L. Venuti**, J. Bouvier, J. Irwin, J. R. Stauffer, L. A. Hillenbrand, L. M. Rebull, A. M. Cody, S. H. P. Alencar, G. Micela, E. Flaccomio, and G. Peres. *UV variability and accretion dynamics in the young open cluster NGC 2264*. *Astronomy & Astrophysics*, 581:A66, September 2015.
- [19] P. T. McGinnis, S. H. P. Alencar, M. M. Guimarães, A. P. Sousa, J. Stauffer, J. Bouvier, L. Rebull, N. N. J. Fonseca, **L. Venuti**, L. Hillenbrand, A. M. Cody, P. S. Teixeira, S. Aigrain, F. Favata, G. Fűrész, F. J. Vrba, E. Flaccomio, N. J. Turner, J. F. Gameiro, C. Dougados, W. Herbst, M. Morales-Calderón, and G. Micela. *CSI 2264: Probing the inner disks of AA Tauri-like systems in NGC 2264*. *Astronomy & Astrophysics*, 577:A11, May 2015.
- [20] J. Stauffer, A. M. Cody, P. McGinnis, L. Rebull, L. A. Hillenbrand, N. J. Turner, J. Carpenter, P. Plavchan, S. Carey, S. Terebey, M. Morales-Calderón, S. H. P. Alencar, J. Bouvier, **L. Venuti**, L. Hartmann, N. Calvet, G. Micela, E. Flaccomio, I. Song, R. Gutermuth, D. Barrado, F. J. Vrba, K. Covey, D. Padgett, W. Herbst, E. Gillen, W. Lyra, M. Medeiros Guimaraes, H. Bouy, and F. Favata. *CSI 2264: Characterizing Young Stars in NGC 2264 With Short-Duration Periodic Flux Dips in Their Light Curves*. *The Astronomical Journal*, 149:130, April 2015.
- [21] **L. Venuti**, J. Bouvier, E. Flaccomio, S. H. P. Alencar, J. Irwin, J. R. Stauffer, A. M. Cody, P. S. Teixeira, A. P. Sousa, G. Micela, J.-C. Cuillandre, and G. Peres. *Mapping accretion and its variability in the young open cluster NGC 2264: a study based on u-band photometry*. *Astronomy & Astrophysics*, 570:A82, October 2014.
- [22] J. Stauffer, A. M. Cody, A. Baglin, S. Alencar, L. Rebull, L. A. Hillenbrand, **L. Venuti**, N. J. Turner, J. Carpenter, P. Plavchan, K. Findeisen, S. Carey, S. Terebey, M. Morales-Calderón, J. Bouvier, G. Micela, E. Flaccomio, I. Song, R. Gutermuth, L. Hartmann, N. Calvet, B. Whitney, D. Barrado, F. J. Vrba, K. Covey, W. Herbst, G. Furesz, S. Aigrain, and F. Favata. *CSI 2264: Characterizing Accretion-burst Dominated Light Curves for Young Stars in NGC 2264*. *The Astronomical Journal*, 147:83, April 2014.

Conference proceedings

- [1] **L. Venuti**. *Dynamics of star-disk interaction processes in young, low-mass stars as seen from space*. In C. Neiner, W. W. Weiss, D. Baade, R. E. Griffin, C. C. Lovekin, and A. F. J. Moffat, editors, *Proceedings of the conference Stars and their Variability Observed from Space*, pages 409–414, January 2020.

- [2] **L. Venuti**, L. Prisinzano, G. Sacco, E. Flaccomio, R. Bonito, F. Damiani, G. Micela, M. Guarcello, GES Collaboration, and CSI 2264 Collaboration. *Age spread and sequential star formation in the young cluster NGC 2264* (proceedings of the conference “Francesco’s Legacy: Star Formation in Space and Time”). *Memorie della Società Astronomica Italiana*, 88:848, 2017.

White papers

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