RESEARCH & PUBLICATIONS

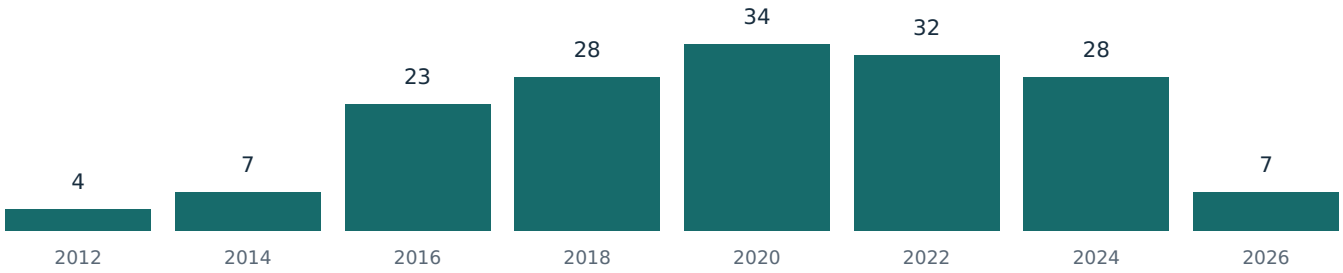
Carlo Felice Manara

A publication record at a glance

164	9,947	52
ARTICLES	CITATIONS	h-INDEX

PUBLICATION ACTIVITY

Articles grouped into 2-year periods



1 articles have no publication year in the database.

MOST CITED IN THIS LIST

ALMA Survey of Lupus Protoplanetary Disks. I. Dust and Gas Masses — 621
2016 Astrophysical Journal

Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-Forming Region — 503
2018 Astrophysical Journal

A Steeper Than Linear Disk Mass–Stellar Mass Scaling Relation — 490
2016 Astrophysical Journal

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2026

01 The 12CO Gas Structures of Protoplanetary Disks in the Upper Scorpius Region — 6 citations
Astronomy and Astrophysics · 705, A49
https://exaly.com/article/207858847

02 Astrometric View of Companions in the Inner Dust Cavities of Protoplanetary Discs — 11 citations
Astronomy and Astrophysics · 705, A238
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03 ExoplaNeT accRetion mOnitoring sPectroscopic surveY (ENTROPY) - II. Time Series of Balmer Line Profiles of Delorme 1(AB)b — 5 citations
Astronomy and Astrophysics · 706, A57
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04 Coordinated Space-And Ground-Based Monitoring of Accretion Bursts in a Protoplanetary Disc: The Orbital and Accretion Properties of DQ Tau — 3 citations
Astronomy and Astrophysics · 706, A228
https://exaly.com/article/208727642

05 Characterizing the Low-Mass Pre-Main-Sequence Population in the Low-Metallicity Star-Forming Region Dolidze 25 Using VLT-MUSE — 2 citations
Astrophysical Journal · 998, 116
https://exaly.com/article/210172214

06 Planet-Forming Disks and Their Environment Across Regions and Time From the Full NIR Census — 8 citations
Astronomy and Astrophysics · 709, A269
https://exaly.com/article/212524486

07 Exploring the Radial Velocity Variations of RY Lup With VLT/ESPRESSO: Binary Versus Spot Hypotheses — 0 citations
Astronomy and Astrophysics · 713, A317
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2025

08 A New Look at Disk Winds and External Photoevaporation in the σ-Orionis Cluster — 11 citations
Astronomy and Astrophysics · 693, A87
https://exaly.com/article/195274270

09 The Centimeter Emission From Planet-Forming Disks in Taurus — 20 citations
Astronomy and Astrophysics · 694, A290
https://exaly.com/article/197407884

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2025 / continued

10 The Likelihood of Not Detecting Cavity-Carving Companions in Transition Discs – A Statistical Approach
Astronomy and Astrophysics · 698, A102
https://exaly.com/article/200526360
8 citations

11 Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): Evidence of Planet–Disk Interaction in the 2MASSJ16120668-3010270 System
Astronomy and Astrophysics · 699, A237
https://exaly.com/article/201691849
11 citations

12 Short- and Long-Term Variations of the High Mass Accretion Rate Classical T Tauri Star DR Tau
Astronomy and Astrophysics · 699, A221
https://exaly.com/article/201825051
4 citations

13 The Survivorship Bias of Protoplanetary Disc Populations - Internal Photoevaporation Causes an Apparent Increase in the Median Total Disc Mass With Time
Astronomy and Astrophysics · 699, A292
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4 citations

14 The Accretion Luminosity of Class I Protostars
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15 Probing Accretion and Stellar Properties in the Orion Nebula With VLT/X-Shooter
Astronomy and Astrophysics · 703, A133
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16 PENELLOPE - VIII. Veiling and Extinction Variations of V505 Ori
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17 Spinning-Down RU Lup - Constraints on the Physics of the Outflow From High-Resolution Spectroscopy
Astronomy and Astrophysics · 704, A263
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18 The Dance of Dust: Investigating Young Stellar Object Dipper Variability
Astronomy and Astrophysics · 704, A10
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2024

19 A Dusty Streamer Infalling Onto the Disk of a Class I Protostar - ALMA Dual-Band Constraints on Grain Properties and the Mass-Infall Rate
37 citations
Astronomy and Astrophysics · 682, A61
https://exaly.com/article/173024329

20 GIARPS High-Resolution Observations of T Tauri Stars (GHOsT) - V. New Insights Into Disk Winds From 3 km s−1 Resolution Spectroscopy
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Astronomy and Astrophysics · 683, A116
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21 Evolution of the Relation Between the Mass Accretion Rate and the Stellar and Disk Mass From Brown Dwarfs to Stars
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22 Full L- and M-Band High Resolution Spectroscopy of the S CrA Binary Disks With VLT-CRIRES+
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24 The SPHERE View of the Chamaeleon I Star-Forming Region - The Full Census of Planet-Forming Disks With GTO and DESTINYS Programs
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Astronomy and Astrophysics · 685, A52
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27 Kaleidoscope of Irradiated Disks: MUSE Observations of Proplyds in the Orion Nebula Cluster - I. Sample Presentation and Ionization Front Sizes
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29 PENELLOPE - VI. Searching the PENELLOPE/UVES Sample With Spectro-Astrometry: Two New Microjets of Sz 103 and XX Cha
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30 HST Survey of the Orion Nebula Cluster in ACS/Visible and WFC3/IR Bands. IV. A Bayesian Multiwavelength Study of Stellar Parameters in the Orion Nebula Cluster
3 citations
Astrophysical Journal · 967, 52
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31 The Population of Young Low-Mass Stars in Trumpler 14
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32 Spatially Correlated Stellar Accretion in the Lupus Star-Forming Region - Evidence for Ongoing Infall From the Interstellar Medium
24 citations
Astronomy and Astrophysics · 691, A169
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33 SPIRou Observations of the Young Planet-Hosting Star PDS 70
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Monthly Notices of the Royal Astronomical Society · 535, 3363-3382
https://exaly.com/article/194428498

34 A Tell-Tale Tracer for Externally Irradiated Protoplanetary Disks: Comparing the [C I] 8727 Å Line and ALMA Observations in Proplyds
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2023

36 Reflections on Nebulae Around Young Stars - A Systematic Search for Late-Stage Infall of Material Onto Class II Disks
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37 New Members of the Lupus I Cloud Based on Gaia Astrometry - Physical and Accretion Properties From X-Shooter Spectra
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38 The Mass Accretion Rate and Stellar Properties in Class I Protostars
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39 Lyα Scattering Models Trace Accretion and Outflow Kinematics in T Tauri Systems
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40 Carte Du Ciel and Gaia - I. Astrometry
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Astronomy and Astrophysics · 671, A16
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41 Testing Protoplanetary Disc Evolution With CO Fluxes - A Proof of Concept in Lupus and Upper Sco
14 citations
Astronomy and Astrophysics · 672, L15
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42 A Large Double-Ring Disk Around the Taurus M Dwarf J04124068+2438157
7 citations
Astrophysical Journal · 949, 27
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43 The Distribution of Accretion Rates as a Diagnostic of Protoplanetary Disc Evolution
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Monthly Notices of the Royal Astronomical Society · 524, 3948-3957
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44 The VLT MUSE NFM View of Outflows and Externally Photoevaporating Discs Near the Orion Bar★
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45 The Time Evolution of (M)_(d)/\dot{M} in Protoplanetary Disks as a Way to Disentangle Between Viscosity and MHD Winds
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46 Brightness and Mass Accretion Rate Evolution During the 2022 Burst of EX Lupi
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47 A Magnetically Driven Disk Wind in the Inner Disk of PDS 70
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48 Twenty-Five Years of Accretion Onto the Classical T Tauri Star TW Hya
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39 citations

49 Illuminating Evaporating Protostellar Outflows: ERIS/SPIFFIER Reveals the Dissociation and Ionization of HH 900
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4 citations

50 Demographics of Young Stars and Their Protoplanetary Disks: Lessons Learned on Disk Evolution and Its Connection to Planet Formation
Astronomical Society of the Pacific conference series · 534, 539-565
https://exaly.com/article/215512384
55 citations

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51 Probing Inner and Outer Disk Misalignments in Transition Disks - Constraints From VLTI/GRAVITY and ALMA Observations
Astronomy and Astrophysics · 658, A183
https://exaly.com/article/123362199
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52 Accretion Variability From Minute to Decade Timescales in the Classical T Tauri Star CR Cha
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53 The ODYSSEUS Survey. Motivation and First Results: Accretion, Ejection, and Disk Irradiation of CVSO 109
Astronomical Journal · 163, 114
https://exaly.com/article/125475909
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54 The Protoplanetary Disk Population in the ρ-Ophiuchi Region L1688 and the Time Evolution of Class II YSOs
Astronomy and Astrophysics · 663, A98
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55 Stellar Multiplicity Affects the Correlation Between Protoplanetary Disc Masses and Accretion Rates: Binaries Explain High Accretors in Upper Sco
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56 Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): A Panchromatic View of DO Tau's Complex Kilo-Astronomical-Unit Environment
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57 On the Time Evolution of the Md–M⋆ and Ṁ–M⋆ Correlations for Protoplanetary Discs: The Viscous Time-Scale Increases With Stellar Mass
18 citations
Monthly Notices of the Royal Astronomical Society · 514, 5927-5940
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58 A Giant Planet Shaping the Disk Around the Very Low-Mass Star CIDA 1
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59 PENELLOPE - III. The Peculiar Accretion Variability of XX Cha and Its Impact on the Observed Spread of Accretion Rates
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60 The He I λ10830 Å Line as a Probe of Winds and Accretion in Young Stars in Lupus and Upper Scorpius
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61 Monitoring Accretion Rate Variability in the Orion Nebula Cluster With the Wendelstein Wide Field Imager
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62 GIARPS High-Resolution Observations of T Tauri Stars (GHOsT) - IV. Accretion Properties of the Taurus-Auriga Young Association
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Astronomy and Astrophysics · 667, A124
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63 The Relation Between the Mass Accretion Rate and the Disk Mass in Class I Protostars
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64 Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): Scattered Light Detection of a Possible Disk Wind in RY Tau
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66 Accretion and Extinction Variations in the Low-Mass Pre-Main-Sequence Binary System WX Cha — 8 citations
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67 Accretion Variability of the Multiple T Tauri System VW Cha — 12 citations
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68 Size and Structures of Disks Around Very Low Mass Stars in the Taurus Star-Forming Region — 70 citations
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69 A Differential Measurement of Circumstellar Extinction for AA Tau's 2011 Dimming Event — 30 citations
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70 Dynamical Stellar Masses of Pre-Main-Sequence Stars in Lupus and Taurus Obtained With ALMA Surveys in Comparison With Stellar Evolutionary Models — 40 citations
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71 Disk Evolution Study Through Imaging of Nearby Young Stars (DESTINYS): Late Infall Causing Disk Misalignment and Dynamic Structures in SU Aur — 113 citations
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72 Measuring the Ratio of the Gas and Dust Emission Radii of Protoplanetary Disks in the Lupus Star-Forming Region — 70 citations
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73 Testing the Models of X-Ray Driven Photoevaporation With Accreting Stars in the Orion Nebula Cluster — 20 citations
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75 KMOS Study of the Mass Accretion Rate From Class I to Class II in NGC 1333
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76 Multiwavelength Continuum Sizes of Protoplanetary Discs: Scaling Relations and Implications for Grain Growth and Radial Drift
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78 Compact Disks - An Explanation to Faint CO Emission in Lupus Disks
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79 First Detection of a Disk Free of Volatile Elements Around a Young A-Type Star: A Possible Sign of Collisions Between Rocky Planets
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80 The First ALMA Survey of Protoplanetary Discs at 3 mm: Demographics of Grain Growth in the Lupus Region
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81 The Star-Melt Python Package for Emission-Line Analysis of YSOs
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82 GIARPS High-Resolution Observations of T Tauri Stars (GHOsT) - III. A Pilot Study of Stellar and Accretion Properties
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83 Probing Jets From Young Embedded Sources: Clues From HST Near-IR [Fe Ii] Images — 17 citations
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84 PENELLOPE - II. CVSO 104: A Pre-Main Sequence Close Binary With an Optical Companion in Ori OB1 — 19 citations
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85 Rapid CO Gas Dispersal From NO Lup's Class III Circumstellar Disc — 13 citations
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86 Discovery of a Low-Mass Companion Embedded in the Disk of the Young Massive Star MWC 297 With VLT/SPHERE — 12 citations
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87 Time-Resolved Photometry of the Young Dipper RX J1604.3-2130A - Unveiling the Structure and Mass Transport Through the Innermost Disk — 32 citations
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88 HST Survey of the Orion Nebula Cluster in the H2O 1.4 μm Absorption Band. I. A Census of Substellar and Planetary-Mass Objects — 22 citations
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89 Effects of Photoevaporation on Protoplanetary Disc 'Isochrones' — 28 citations
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90 The Young Suns Exoplanet Survey: Detection of a Wide-Orbit Planetary-Mass Companion to a Solar-Type Sco-Cen Member — 62 citations
Monthly Notices of the Royal Astronomical Society · 492, 431-443
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91 Demographics of Disks Around Young Very Low-Mass Stars and Brown Dwarfs in Lupus — 52 citations
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96 Dust Masses of Young Disks: Constraining the Initial Solid Reservoir for Planet Formation — 211 citations
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97 X-Shooter Survey of Disk Accretion in Upper Scorpius - I. Very High Accretion Rates at Age 5 Myr — 93 citations
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98 ISO-ChaI 52: A Weakly Accreting Young Stellar Object With a Dipper Light Curve — 5 citations
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100 An ALMA Survey of λ Orionis Disks: From Supernovae to Planet Formation — 35 citations
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113 **New Insights Into the Nature of Transition Disks From a Complete Disk Survey of the Lupus Star-Forming Region**
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117 **Connection Between Jets, Winds and Accretion in T Tauri Stars - The X-Shooter View**
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118 **A Revised Estimate of the Distance to the Clouds in the Chamaeleon Complex Using the Tycho–Gaia Astrometric Solution**
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119 **V1094 Scorpii: A Rare Giant Multi-Ringed Disk Around a T Tauri Star**
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121 Why Do Protoplanetary Disks Appear Not Massive Enough to Form the Known Exoplanet Population?
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122 Gaps and Rings in an ALMA Survey of Disks in the Taurus Star-Forming Region
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123 Resolved Millimeter-Dust Continuum Cavity Around the Very Low Mass Young Star CIDA 1
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