

# Ciriaco Goddi

## List of Publications by Year in descending order

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Version: 2024-02-01

72  
papers

9,609  
citations

117625

34  
h-index

133252

59  
g-index

72  
all docs

72  
docs citations

72  
times ranked

3879  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.  | 4.5 | 6         |
| 2  | Structure of the Source I Disk in Orion-KL. <i>Astrophysical Journal</i> , 2022, 924, 107.  | 4.5 | 7         |
| 3  | First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.                 | 8.3 | 163       |
| 4  | Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.         | 8.3 | 20        |
| 5  | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.   | 8.3 | 215       |
| 6  | First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.  | 8.3 | 142       |
| 7  | First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.                            | 8.3 | 137       |
| 8  | The science case and challenges of space-borne sub-millimeter interferometry. <i>Acta Astronautica</i> , 2022, 196, 314-333.  | 3.2 | 15        |
| 9  | First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. <i>Astrophysical Journal Letters</i> , 2022, 930, L12. | 8.3 | 568       |
| 10 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.   | 8.3 | 21        |
| 11 | Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.                               | 8.3 | 43        |
| 12 | A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.                            | 8.3 | 20        |
| 13 | First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L16.           | 8.3 | 187       |
| 14 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.  | 8.3 | 215       |
| 15 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.  | 8.3 | 67        |
| 16 | First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.                                  | 8.3 | 297       |
| 17 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.                                     | 8.3 | 56        |
| 18 | Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .   | 4.7 | 126       |

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|----|---|------|-----------|
| 19 | THEZA: TeraHertz Exploration and Zooming-in for Astrophysics. <i>Experimental Astronomy</i> , 2021, 51, 559-594.  | 3.7  | 17        |
| 20 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.  | 4.5  | 43        |
| 21 | An 86 GHz Search for Pulsars in the Galactic Center with the Atacama Large Millimeter / submillimeter Array. <i>Astrophysical Journal</i> , 2021, 914, 30.                        | 4.5  | 13        |
| 22 | High-Frequency Polarization Variability from Active Galactic Nuclei. <i>Galaxies</i> , 2021, 9, 51.   | 3.0  | 0         |
| 23 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.   | 10.1 | 65        |
| 24 | On the pumping of the CS( $J=1-0$ ) masers in W51 e2e. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 3871-3882.   | 4.4  | 0         |
| 25 | Small Protoplanetary Disks in the Orion Nebula Cluster and OMC1 with ALMA. <i>Astrophysical Journal</i> , 2021, 923, 221.   | 4.5  | 12        |
| 26 | Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.                               | 7.8  | 190       |
| 27 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.  | 4.5  | 44        |
| 28 | Characterizing the radio continuum nature of sources in the massive star-forming region W75N(B). <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 3128-3141. | 4.4  | 8         |
| 29 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.  | 4.5  | 47        |
| 30 | Observations of the Orion Source I Disk and Outflow Interface. <i>Astrophysical Journal</i> , 2020, 889, 155.   | 4.5  | 9         |
| 31 | Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.                   | 5.1  | 54        |
| 32 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.  | 4.5  | 51        |
| 33 | Multidirectional Mass Accretion and Collimated Outflows on Scales of 100–2000 au in Early Stages of High-mass Protostars. <i>Astrophysical Journal</i> , 2020, 905, 25.           | 4.5  | 31        |
| 34 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.                              | 7.7  | 175       |
| 35 | The Size, Shape, and Scattering of Sagittarius A* at 86 GHz: First VLBI with ALMA. <i>Astrophysical Journal</i> , 2019, 871, 30.  | 4.5  | 81        |
| 36 | Orion Source's Disk Is Salty. <i>Astrophysical Journal</i> , 2019, 872, 54.   | 4.5  | 28        |

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|----|--|-----|-----------|
| 37 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.   | 8.3 | 519       |
| 38 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.  | 8.3 | 618       |
| 39 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.  | 8.3 | 806       |
| 40 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.   | 8.3 | 2,264     |
| 41 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.  | 8.3 | 814       |
| 42 | First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.  | 8.3 | 897       |
| 43 | Micro-arcsecond structure of Sagittarius A <sup>*</sup> revealed by high-sensitivity 86 GHz VLBI observations. <i>Astronomy and Astrophysics</i> , 2019, 621, A119.                          | 5.1 | 9         |
| 44 | First Detection of CS Masers around a High-mass Young Stellar Object, W51 e2e. <i>Astronomical Journal</i> , 2019, 158, 208.   | 4.7 | 3         |
| 45 | Detection of Pulses from the Vela Pulsar at Millimeter Wavelengths with Phased ALMA. <i>Astrophysical Journal Letters</i> , 2019, 885, L10.  | 8.3 | 9         |
| 46 | Measuring Magnetic Fields from Water Masers Associated with the Synchrotron Protostellar Jet in W3(H2O). , 2019, , .   |     | 0         |
| 47 | Jets from massive protostars: clues on their role in the formation process from masers and high resolution radio / NIR imaging. , 2019, , .  |     | 0         |
| 48 | Discovery of <sup>14</sup> NH <sub>3</sub> (2,2) Maser Emission in Sgr B2 Main. <i>Astrophysical Journal Letters</i> , 2018, 869, L14.   | 8.3 | 9         |
| 49 | A Keplerian Disk around Orion SrCl, a $\frac{1}{4} \hat{A} 15 M_{\odot}$ YSO. <i>Astrophysical Journal</i> , 2018, 860, 119.   | 4.5 | 63        |
| 50 | Thermal Feedback in the High-mass Star- and Cluster-forming Region W51. <i>Astrophysical Journal</i> , 2017, 842, 92.  | 4.5 | 43        |
| 51 | Measuring Magnetic Fields from Water Masers Associated with a Synchrotron Protostellar Jet. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 215-218.                  | 0.0 | 0         |
| 52 | Masers as probes of the gas dynamics close to forming high-mass stars. <i>Proceedings of the International Astronomical Union</i> , 2017, 13, 201-206.                                       | 0.0 | 1         |
| 53 | The African Millimetre Telescope. , 2017, , .  |     | 8         |
| 54 | Asymmetric structure in Sgr A <sup>*</sup> at 3 Åmm from closure phase measurements with VLBA, GBT and LMT. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1382-1392. | 4.4 | 21        |

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|----|---|------|-----------|
| 55 | Detailed structures of accretion and outflow probed by molecular masers in high-mass protostars. , 2016, , .  |      | 0         |
| 56 | The high-mass SFR G23.01-0.41: from the HMC to the VLBI maser kinematics. , 2016, , .   |      | 0         |
| 57 | Observing the onset of outflow collimation in a massive protostar. <i>Science</i> , 2015, 348, 114-117.   | 12.6 | 39        |
| 58 | Very Long Baseline Interferometry with the SKA. , 2015, , .   |      | 17        |
| 59 | 3D Gas Dynamics from Methanol Masers observed with the EVN reveals Rotating Disks around O-type Young Stars. , 2015, , .  |      | 0         |
| 60 | Constraints on photoevaporation models from (lack of) radio emission in the Corona Australis protoplanetary disks. <i>Astronomy and Astrophysics</i> , 2014, 570, L9.   | 5.1  | 12        |
| 61 | DYNAMICAL EVIDENCE FOR A MAGNETOCENTRIFUGAL WIND FROM A 20 $M_{\odot}$ BINARY YOUNG STELLAR OBJECT. <i>Astrophysical Journal Letters</i> , 2013, 770, L32.  | 8.3  | 39        |
| 62 | AN <i>HST</i> IMAGING SURVEY OF LOW-MASS STARS IN THE CHAMAELEON I STAR-FORMING REGION. <i>Astronomical Journal</i> , 2012, 144, 83.  | 4.7  | 17        |
| 63 | VLBI maser kinematics in high-mass SFRs: G23.01-0.41. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 396-400.  | 0.0  | 1         |
| 64 | 3D velocity fields from methanol and water masers in an intermediate-mass protostar. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 401-406.   | 0.0  | 0         |
| 65 | 325 GHz Water Masers in Orion Source I. <i>Proceedings of the International Astronomical Union</i> , 2012, 8, 184-185.  | 0.0  | 0         |
| 66 | Circumbinary disc survival during binary-single scattering: towards a dynamical model of the Orion BN/KL complex. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 419, 1390-1401.                  | 4.4  | 13        |
| 67 | A MULTI-EPOCH STUDY OF THE RADIO CONTINUUM EMISSION OF ORION SOURCE. I. CONSTRAINTS ON THE DISK EVOLUTION OF A MASSIVE YSO AND THE DYNAMICAL HISTORY OF ORION BN/KL. <i>Astrophysical Journal</i> , 2011, 728, 15.  | 4.5  | 90        |
| 68 | UNVEILING SOURCES OF HEATING IN THE VICINITY OF THE ORION BN/KL HOT CORE AS TRACED BY HIGHLY EXCITED INVERSION TRANSITIONS OF AMMONIA. <i>Astrophysical Journal Letters</i> , 2011, 739, L13.                       | 8.3  | 57        |
| 69 | A 42.3-43.6 GHz SPECTRAL SURVEY OF ORION BN/KL: FIRST DETECTION OF THE $v = 0$ $J = 1-0$ LINE FROM THE ISOTOPOLOGUES $^{29}\text{SiO}$ AND $^{30}\text{SiO}$ . <i>Astrophysical Journal</i> , 2009, 691, 1254-1264. | 4.5  | 22        |
| 70 | A movie of accretion/ejection of material in a high-mass YSO in Orion BN/KL at radii comparable to the Solar System. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 750-750.                 | 0.0  | 1         |
| 71 | MASER EMISSION FROM $\text{SiO}$ ISOTOPOLOGUES TRACES THE INNERMOST 100 AU AROUND RADIO SOURCE I IN ORION BECKLIN-NEUGEBAUER/KLEINMANN-LOW. <i>Astrophysical Journal</i> , 2009, 698, 1165-1173.                    | 4.5  | 44        |
| 72 | VLBI observations of $\text{H}_2\text{O}$ and $\text{CH}_3\text{OH}$ masers in two high-mass YSOs. <i>Proceedings of the International Astronomical Union</i> , 2007, 3, 152-153.                                   | 0.0  | 0         |