

# 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	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
2	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
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
6	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
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
8	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
9	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	8.3	215
10	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	8.3	215
11	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
12	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
13	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
14	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
15	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
16	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
17	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	4.7	126
18	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

#	ARTICLE	IF	CITATIONS
19	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
20	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	8.3	67
21	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	10.1	65
22	A Keplerian Disk around Orion SrCl, a $\sim 1/4 \text{ } 15 \text{ M}_{\odot}$ YSO. <i>Astrophysical Journal</i> , 2018, 860, 119.	4.5	63
23	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
24	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	8.3	56
25	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
26	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
27	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	4.5	47
28	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	4.5	44
29	MASER EMISSION FROM 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
30	Thermal Feedback in the High-mass Star- and Cluster-forming Region W51. <i>Astrophysical Journal</i> , 2017, 842, 92.	4.5	43
31	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	4.5	43
32	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
33	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
34	Observing the onset of outflow collimation in a massive protostar. <i>Science</i> , 2015, 348, 114-117.	12.6	39
35	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
36	Orion SrCl's Disk Is Salty. <i>Astrophysical Journal</i> , 2019, 872, 54.	4.5	28

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37	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
38	Asymmetric structure in Sgr A* at 3Åmm 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
39	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	8.3	21
40	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
41	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
42	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
43	THEZA: TeraHertz Exploration and Zooming-in for Astrophysics. <i>Experimental Astronomy</i> , 2021, 51, 559-594.	3.7	17
44	Very Long Baseline Interferometry with the SKA. , 2015, , .		17
45	The science case and challenges of space-borne sub-millimeter interferometry. <i>Acta Astronautica</i> , 2022, 196, 314-333.	3.2	15
46	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
47	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
48	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
49	Small Protoplanetary Disks in the Orion Nebula Cluster and OMC1 with ALMA. <i>Astrophysical Journal</i> , 2021, 923, 221.	4.5	12
50	Discovery of $^{14}\text{NH}_3$ (2,2) Maser Emission in Sgr B2 Main. <i>Astrophysical Journal Letters</i> , 2018, 869, L14.	8.3	9
51	Micro-arcsecond structure of Sagittarius A* revealed by high-sensitivity 86 GHz VLBI observations. <i>Astronomy and Astrophysics</i> , 2019, 621, A119.	5.1	9
52	Detection of Pulses from the Vela Pulsar at Millimeter Wavelengths with Phased ALMA. <i>Astrophysical Journal Letters</i> , 2019, 885, L10.	8.3	9
53	Observations of the Orion Source I Disk and Outflow Interface. <i>Astrophysical Journal</i> , 2020, 889, 155.	4.5	9
54	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

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55	The African Millimetre Telescope. , 2017, , .		8
56	Structure of the Source I Disk in Orion-KL. Astrophysical Journal, 2022, 924, 107.	4.5	7
57	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	4.5	6
58	First Detection of CS Masers around a High-mass Young Stellar Object, W51 e2e. Astronomical Journal, 2019, 158, 208.	4.7	3
59	A movie of accretion/ejection of material in a high-mass YSO in Orion BN/KL at radii comparable to the Solar System. Proceedings of the International Astronomical Union, 2009, 5, 750-750.	0.0	1
60	VLBI maser kinematics in high-mass SFRs: G23.01â€“0.41. Proceedings of the International Astronomical Union, 2012, 8, 396-400.	0.0	1
61	Masers as probes of the gas dynamics close to forming high-mass stars. Proceedings of the International Astronomical Union, 2017, 13, 201-206.	0.0	1
62	VLBI observations of H <sub>2</sub> O and CH <sub>3</sub> OH masers in two high-mass YSOs. Proceedings of the International Astronomical Union, 2007, 3, 152-153.	0.0	0
63	3D velocity fields from methanol and water masers in an intermediate-mass protostar. Proceedings of the International Astronomical Union, 2012, 8, 401-406.	0.0	0
64	325 GHz Water Masers in Orion Source I. Proceedings of the International Astronomical Union, 2012, 8, 184-185.	0.0	0
65	Measuring Magnetic Fields from Water Masers Associated with a Synchrotron Protostellar Jet. Proceedings of the International Astronomical Union, 2017, 13, 215-218.	0.0	0
66	High-Frequency Polarization Variability from Active Galactic Nuclei. Galaxies, 2021, 9, 51.	3.0	0
67	3D Gas Dynamics from Methanol Masers observed with the EVN reveals Rotating Disks around O-type Young Stars. , 2015, , .		0
68	Detailed structures of accretion and outflow probed by molecular masers in high-mass protostars. , 2016, , .		0
69	The high-mass SFR G23.01-0.41: from the HMC to the VLBI maser kinematics. , 2016, , .		0
70	Measuring Magnetic Fields from Water Masers Associated with the Synchrotron Protostellar Jet in W3(H <sub>2</sub> O). , 2019, , .		0
71	Jets from massive protostars: clues on their role in the formation process from masers and high resolution radio / NIR imaging. , 2019, , .		0
72	On the pumping of the CS( <i>J</i> <sub>K<sub>a</sub></sub> = 0) masers in W51 e2e. Monthly Notices of the Royal Astronomical Society, 2021, 501, 3871-3882.	4.4	0