Cornelia Müller

List of Articles by Year
in descending order

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34 peer-reviewed articles	14,981 peer-reviewed citations	238739 29 peer-reviewed h-index	12626 8.05 score
34 documents	15374 doc citations	285951 29 h-index	157 citing authors

#	Article	IF	Citations
1	The persistent shadow of the supermassive black hole of M 87. Astronomy and Astrophysics, 2024, 681, A79.	4.0	103
2	First Sagittarius A* Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2024, 964, L25.	7.2	124
3	First M87 Event Horizon Telescope Results. IX. Detection of Near-horizon Circular Polarization. Astrophysical Journal Letters, 2023, 957, L20.	7.2	95
4	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	3.5	19
5	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	7.2	433
6	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	7.2	38
7	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	7.2	654
8	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	7.2	366
9	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	7.2	362
10	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	7.2	1,836
11	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	7.2	32
12	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	7.2	109
13	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	7.2	41
14	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	7.2	539
15	Resolving the Inner Parsec of the Blazar J1924–2914 with the Event Horizon Telescope. Astrophysical Journal, 2022, 934, 145.	3.5	50
16	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	7.2	455
17	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	7.2	108
18	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	7.2	668

#	Article	IF	Citations
19	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	7.2	115
20	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	3.5	91
21	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	9.0	138
22	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	3.5	80
23	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	3.5	80
24	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	4.0	96
25	γ-ray emission in radio galaxies under the VLBI scope. Astronomy and Astrophysics, 2020, 641, A152.	4.0	4
26	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	3.5	69
27	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	4.9	333
28	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	7.2	823
29	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	7.2	1,025
30	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	7.2	1,402
31	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	7.2	3,925
32	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	7.2	1,573
33	TANAMI: Tracking Active Galactic Nuclei with Austral Milliarcsecond Interferometry. Astronomy and Astrophysics, 2018, 610, A1.	4.0	12
34	The MHz-peaked radio spectrum of the unusualγ-ray source PMN J1603−4904. Astronomy and Astrophysics, 2016, 593, L19.	4.0	8