

# Ilje Cho

## List of Publications by Year in descending order

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Version: 2024-02-01

39  
papers

9,068  
citations

186265  
28  
h-index

302126  
39  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3264  
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 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.                                                              | 8.3 | 67        |

| #  | ARTICLE                                                                                                                                                                                         | IF   | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 19 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.                                                         | 10.1 | 65        |
| 20 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.                                           | 8.3  | 56        |
| 21 | 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        |
| 22 | Pilot KaVA monitoring on the M87 jet: Confirming the inner jet structure and superluminal motions at sub-pc scales. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .       | 2.5  | 51        |
| 23 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.                                                                  | 4.5  | 51        |
| 24 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.                                                                        | 4.5  | 47        |
| 25 | Kinematics of the M87 Jet in the Collimation Zone: Gradual Acceleration and Velocity Stratification. <i>Astrophysical Journal</i> , 2019, 887, 147.                                             | 4.5  | 46        |
| 26 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.                                                                                          | 4.5  | 44        |
| 27 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.                                                                  | 4.5  | 43        |
| 28 | 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        |
| 29 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.                                                                                     | 8.3  | 21        |
| 30 | 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        |
| 31 | 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        |
| 32 | Persistent Non-Gaussian Structure in the Image of Sagittarius A* at 86 GHz. <i>Astrophysical Journal</i> , 2021, 915, 99.                                                                       | 4.5  | 19        |
| 33 | SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5.                                                                                | 5.1  | 18        |
| 34 | Jet kinematics of the quasar 4C+21.35 from observations with the KaVA very long baseline interferometry array. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 2412-2421. | 4.4  | 14        |
| 35 | A comparative study of amplitude calibrations for the East Asia VLBI Network: A priori and template spectrum methods. <i>Publication of the Astronomical Society of Japan</i> , 2017, 69, .     | 2.5  | 13        |
| 36 | The Intrinsic Structure of Sagittarius A* at 1.3 cm and 7 mm. <i>Astrophysical Journal</i> , 2022, 926, 108.                                                                                    | 4.5  | 13        |

| #  | ARTICLE                                                                                                                                                               | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | East Asian VLBI Network observations of active galactic nuclei jets: imaging with KaVA+Tianma+Nanshan. <i>Research in Astronomy and Astrophysics</i> , 2021, 21, 205. | 1.7 | 12        |
| 38 | Unraveling the Innermost Jet Structure of OJ 287 with the First GMVA + ALMA Observations. <i>Astrophysical Journal</i> , 2022, 932, 72.                               | 4.5 | 12        |
| 39 | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.                                              | 4.5 | 6         |