

Richard Plambeck

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

10,452
citations

126708

33
h-index

214527

47
g-index

48
all docs

48
docs citations

48
times ranked

4027
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. | 1.6 | 6 |
| 2 | First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14. | 3.0 | 163 |
| 3 | Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21. | 3.0 | 20 |
| 4 | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17. | 3.0 | 215 |
| 5 | First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13. | 3.0 | 142 |
| 6 | First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15. | 3.0 | 137 |
| 7 | 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. | 3.0 | 568 |
| 8 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18. | 3.0 | 21 |
| 9 | Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19. | 3.0 | 43 |
| 10 | A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20. | 3.0 | 20 |
| 11 | 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. | 3.0 | 187 |
| 12 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12. | 3.0 | 215 |
| 13 | OMC-1 dust polarization in ALMA Band 7: diagnosing grain alignment mechanisms in the vicinity of Orion Source I. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 3414-3433. | 1.6 | 15 |
| 14 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14. | 3.0 | 67 |
| 15 | First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13. | 3.0 | 297 |
| 16 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11. | 3.0 | 56 |
| 17 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35. | 1.6 | 43 |
| 18 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028. | 4.2 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Small Protoplanetary Disks in the Orion Nebula Cluster and OMC1 with ALMA. <i>Astrophysical Journal</i> , 2021, 923, 221. | 1.6 | 12 |
| 20 | Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104. | 2.9 | 190 |
| 21 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148. | 1.6 | 44 |
| 22 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139. | 1.6 | 47 |
| 23 | Revealing the CO X-factor in Dark Molecular Gas through Sensitive ALMA Absorption Observations. <i>Astrophysical Journal Letters</i> , 2020, 889, L4. | 3.0 | 9 |
| 24 | Observations of the Orion Source I Disk and Outflow Interface. <i>Astrophysical Journal</i> , 2020, 889, 155. | 1.6 | 9 |
| 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. | 2.1 | 54 |
| 26 | Magnetic Field Structure of Orion Source I. <i>Astrophysical Journal</i> , 2020, 896, 157. | 1.6 | 10 |
| 27 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67. | 1.6 | 51 |
| 28 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal</i> , Supplement Series, 2019, 243, 26. | 3.0 | 175 |
| 29 | Orion Source I's Disk Is Salty. <i>Astrophysical Journal</i> , 2019, 872, 54. | 1.6 | 28 |
| 30 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3. | 3.0 | 519 |
| 31 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2. | 3.0 | 618 |
| 32 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4. | 3.0 | 806 |
| 33 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1. | 3.0 | 2,264 |
| 34 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5. | 3.0 | 814 |
| 35 | First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6. | 3.0 | 897 |
| 36 | A Keplerian Disk around Orion Source I, a 15 M _J YSO. <i>Astrophysical Journal</i> , 2018, 860, 119. | 1.6 | 63 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 37 | AN EXTREMELY HIGH VELOCITY MOLECULAR JET SURROUNDED BY AN IONIZED CAVITY IN THE PROTOSTELLAR SOURCE SERPENS SMM1. <i>Astrophysical Journal Letters</i> , 2016, 823, L27. | 3.0 | 28 |
| 38 | ALMA OBSERVATIONS OF ORION SOURCE I AT 350 AND 660 GHz. <i>Astrophysical Journal</i> , 2016, 833, 219. | 1.6 | 38 |
| 39 | INTERFEROMETRIC MAPPING OF MAGNETIC FIELDS: THE ALMA VIEW OF THE MASSIVE STAR-FORMING CLUMP W43-MM1. <i>Astrophysical Journal Letters</i> , 2016, 825, L15. | 3.0 | 33 |
| 40 | 230 GHz VLBI OBSERVATIONS OF M87: EVENT-HORIZON-SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY γ -RAY STATE IN 2012. <i>Astrophysical Journal</i> , 2015, 807, 150. | 1.6 | 98 |
| 41 | An 8h characteristic time-scale in submillimetre light curves of Sagittarius A*. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 442, 2797-2808. | 1.6 | 72 |
| 42 | PROBING THE PARSEC-SCALE ACCRETION FLOW OF 3C 84 WITH MILLIMETER WAVELENGTH POLARIMETRY. <i>Astrophysical Journal</i> , 2014, 797, 66. | 1.6 | 40 |
| 43 | TESTING MAGNETIC FIELD MODELS FOR THE CLASS 0 PROTOSTAR L1527. <i>Astrophysical Journal</i> , 2014, 797, 74. | 1.6 | 16 |
| 44 | FINE-SCALE STRUCTURE OF THE QUASAR 3C 279 MEASURED WITH 1.3 mm VERY LONG BASELINE INTERFEROMETRY. <i>Astrophysical Journal</i> , 2013, 772, 13. | 1.6 | 30 |
| 45 | Jet-Launching Structure Resolved Near the Supermassive Black Hole in M87. <i>Science</i> , 2012, 338, 355-358. | 6.0 | 336 |
| 46 | 1 mm Dual-polarization science with CARMA. , 2011, , . | | 3 |
| 47 | 1.3 mm WAVELENGTH VLBI OF SAGITTARIUS A*: DETECTION OF TIME-VARIABLE EMISSION ON EVENT HORIZON SCALES. <i>Astrophysical Journal Letters</i> , 2011, 727, L36. | 3.0 | 169 |
| 48 | Event-horizon-scale structure in the supermassive black hole candidate at the Galactic Centre. <i>Nature</i> , 2008, 455, 78-80. | 13.7 | 699 |