

Rebecca Azulay

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

8,913
citations

218677

26
h-index

361022

35
g-index

36
all docs

36
docs citations

36
times ranked

3318
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 | 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 |
| 3 | 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 |
| 4 | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17. | 8.3 | 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. | 8.3 | 142 |
| 6 | 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 |
| 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. | 8.3 | 568 |
| 8 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18. | 8.3 | 21 |
| 9 | 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 |
| 10 | 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 |
| 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. | 8.3 | 187 |
| 12 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12. | 8.3 | 215 |
| 13 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14. | 8.3 | 67 |
| 14 | 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 |
| 15 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11. | 8.3 | 56 |
| 16 | Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, . | 4.7 | 126 |
| 17 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35. | 4.5 | 43 |
| 18 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028. | 10.1 | 65 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | 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 |
| 20 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148. | 4.5 | 44 |
| 21 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139. | 4.5 | 47 |
| 22 | 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 |
| 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 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26. | 7.7 | 175 |
| 25 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3. | 8.3 | 519 |
| 26 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2. | 8.3 | 618 |
| 27 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4. | 8.3 | 806 |
| 28 | 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 |
| 29 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5. | 8.3 | 814 |
| 30 | 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 |
| 31 | Radio emission in ultracool dwarfs: The nearby substellar triple system VHS 1256–1257. <i>Astronomy and Astrophysics</i> , 2018, 610, A23. | 5.1 | 11 |
| 32 | The AB Doradus system revisited: The dynamical mass of AB Dor A/C. <i>Astronomy and Astrophysics</i> , 2017, 607, A10. | 9.1 | 13 |
| 33 | Young, active radio stars in the AB Doradus moving group. <i>Astronomy and Astrophysics</i> , 2017, 602, A57. | 5.1 | 3 |
| 34 | Dynamical masses of the low-mass stellar binary AB Doradus B. <i>Astronomy and Astrophysics</i> , 2015, 578, A16. | 5.1 | 12 |
| 35 | Binary stars in moving groups. , 2015, , . | | 0 |
| 36 | Radio detection of the young binary HD 160934. <i>Astronomy and Astrophysics</i> , 2014, 561, A38. | 5.1 | 4 |