

# Ralph P Eatough

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

34  
papers

3,669  
citations

18  
h-index

35  
g-index

35  
ext. papers

6,121  
ext. citations

7.3  
avg, IF

3.1  
L-index

#	Paper	IF	Citations
34	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 13	4.7	2
33	Submillimeter Pulsations from the Magnetar XTE J1810-197. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 925, L17	7.9	1
32	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L14	7.9	20
31	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L21	7.9	9
30	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L17	7.9	14
29	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L13	7.9	16
28	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L15	7.9	16
27	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> , <b>2022</b> , 930, L12	7.9	23
26	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18	7.9	7
25	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L19	7.9	11
24	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L20	7.9	8
23	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L16	7.9	18
22	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14	7.9	28
21	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L13	7.9	70
20	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911, L11	7.9	16
19	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 35	4.7	7
18	An 86 GHz Search for Pulsars in the Galactic Center with the Atacama Large Millimeter / submillimeter Array. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 30	4.7	2

17	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12	7.9	58
16	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 139	4.7	24
15	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 640, A69	5.1	21
14	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 67	4.7	20
13	Green Bank and Effelsberg Radio Telescope Searches for Axion Dark Matter Conversion in Neutron Star Magnetospheres. <i>Physical Review Letters</i> , <b>2020</b> , 125, 171301	7.4	21
12	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 148	4.7	18
11	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L3	7.9	267
10	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L2	7.9	325
9	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L4	7.9	411
8	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L1	7.9	1110
7	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L5	7.9	429
6	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L6	7.9	466
5	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 26	8	96
4	Detection of Pulses from the Vela Pulsar at Millimeter Wavelengths with Phased ALMA. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L10	7.9	6
3	THE PROPER MOTION OF THE GALACTIC CENTER PULSAR RELATIVE TO SAGITTARIUS A*. <i>Astrophysical Journal</i> , <b>2015</b> , 798, 120	4.7	48
2	THE ANGULAR BROADENING OF THE GALACTIC CENTER PULSAR SGR J1745-29: A NEW CONSTRAINT ON THE SCATTERING MEDIUM. <i>Astrophysical Journal Letters</i> , <b>2014</b> , 780, L2	7.9	65
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13