

Iniyan Natarajan

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/1553262/iniyan-natarajan-publications-by-year.pdf>

Version: 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

35
papers

3,644
citations

18
h-index

36
g-index

36
ext. papers

6,170
ext. citations

6.6
avg, IF

2.83
L-index

#	Paper	IF	Citations
35	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
34	MeqSilhouette v2: spectrally resolved polarimetric synthetic data generation for the event horizon telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 512, 490-504	4.3	1
33	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L14	7.9	20
32	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 930, L21	7.9	9
31	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
30	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16
29	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
28	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	7.9	23
27	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
26	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11
25	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022 , 930, L20	7.9	8
24	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	7.9	18
23	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
22	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70
21	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
20	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
19	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7

18	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
17	A probabilistic approach to phase calibration II. Effects of source structure on fringe-fitting. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 801-813	4.3	2
16	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 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> , 2020 , 640, A69	5.1	21
14	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
13	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020 , 125, 141104	7.4	74
12	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
11	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
10	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
9	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 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> , 2019 , 875, L1	7.9	1110
7	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 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> , 2019 , 875, L6	7.9	466
5	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
4	Resolving the blazar CGRaBS J0809+5341 in the presence of telescope systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 4306-4317	4.3	9
3	Bayesian inference for radio observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 450, 1308-1319	4.3	17
2	Bayesian Inference for Radio Observations - Going beyond deconvolution. <i>Proceedings of the International Astronomical Union</i> , 2014 , 10, 185-188	0.1	
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13

