

# Neil M Nagar

## 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.

61  
papers

4,716  
citations

24  
h-index

64  
g-index

64  
ext. papers

7,316  
ext. citations

5.8  
avg. IF

4.06  
L-index

#	Paper	IF	Citations
61	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
60	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
59	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
58	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
57	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
56	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
55	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
54	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18	7.9	7
53	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
52	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
51	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
50	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14	7.9	28
49	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
48	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
47	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	18
46	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
45	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12	7.9	58

44	Toward Determining the Number of Observable Supermassive Black Hole Shadows. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 260	4.7	3
43	The Molecular Gas in the NGC 6240 Merging Galaxy System at the Highest Spatial Resolution. <i>Astrophysical Journal</i> , <b>2020</b> , 890, 149	4.7	14
42	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 139	4.7	24
41	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
40	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
39	A CO molecular gas wind 340 pc away from the Seyfert 2 nucleus in ESO 420-G13 probes an elusive radio jet. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 633, A127	5.1	9
38	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , <b>2020</b> , 125, 141104	7.4	74
37	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 148	4.7	18
36	The molecular gas properties in the gravitationally lensed merger HATLAS J142935.3–02836. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 486, 2366-2378	4.3	0
35	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L3	7.9	267
34	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L2	7.9	325
33	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
32	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
31	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
30	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
29	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 26	8	96
28	A nuclear ionized gas outflow in the Seyfert 2 galaxy UGC 2024. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 3679-3692	4.3	5
27	Resolving accretion flows in nearby active galactic nuclei with the Event Horizon Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 4606-4621	4.3	4

26	Outflowing gas in a compact ionization cone in the Seyfert 2 galaxy ESO 153-G20. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 4111-4124	4.3	7
25	Predicting the emission profile and estimation of model parameters for some nearby LLAGN using accretion and jet models. <i>Proceedings of the International Astronomical Union</i> , <b>2019</b> , 15, 56-60	0.1	
24	How to Fuel an AGN: Mapping Circumnuclear Gas in NGC 6240 with ALMA. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L21	7.9	5
23	An outflow in the Seyfert ESO 362-G18 revealed by Gemini-GMOS/IFU observations. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 614, A94	5.1	14
22	Optical, Near-IR, and Sub-mm IFU Observations of the Nearby Dual Active Galactic Nuclei MRK 463. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 83	4.7	8
21	The complex jet- and bar-perturbed kinematics in NGC 3393 as revealed with ALMA and GEMINI-GMOS/IFU. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 3892-3908	4.3	14
20	Detection of Intrinsic Source Structure at $\sim 3$ Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 60	4.7	55
19	Gas inflows towards the nucleus of the Seyfert 2 galaxy NGC 1667. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , stx018	4.3	4
18	Gas inflows towards the nucleus of NGC 1358. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 471, 3888-3898	4.3	8
17	Feeding and feedback in NGC 3081. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 457, 972-985	4.3	23
16	230 GHz VLBI OBSERVATIONS OF M87: EVENT-HORIZON-SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY $\gamma$ -RAY STATE IN 2012. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 150	4.7	85
15	Herschel-ATLAS and ALMA. <i>Astronomy and Astrophysics</i> , <b>2014</b> , 568, A92	5.1	30
14	Feeding and feedback in the inner kiloparsec of the active galaxy NGC 2110. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 437, 1708-1724	4.3	42
13	Gas inflows towards the nucleus of the active galaxy NGC 7213. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 438, 3322-3331	4.3	45
12	Near-infrared dust and line emission from the central region of Mrk 1066: constraints from Gemini NIFS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2010</b> ,	4.3	15
11	The Murmur of the Sleeping Black Hole: Detection of Nuclear Ultraviolet Variability in LINER Galaxies. <i>Astrophysical Journal</i> , <b>2005</b> , 625, 699-715	4.7	135
10	AGNs in LLAGNs: High resolution radio observations of the Palomar sample. <i>Proceedings of the International Astronomical Union</i> , <b>2004</b> , 2004, 461-462	0.1	
9	Evolution of the Nuclear Accretion Disk Emission in NGC 1097: Getting Closer to the Black Hole. <i>Astrophysical Journal</i> , <b>2003</b> , 598, 956-968	4.7	81

8	Evidence for Jet Domination of the Nuclear Radio Emission in Low-Luminosity Active Galactic Nuclei. <i>Astrophysical Journal</i> , <b>2001</b> , 559, L87-L90	4-7	92
7	Aluminum Abundances, Deep Mixing, and the Blue-Tail Second-Parameter Effect in the Globular Clusters M3 and M13. <i>Astronomical Journal</i> , <b>2000</b> , 120, 1364-1383	4-9	53
6	Radio Sources in Low-Luminosity Active Galactic Nuclei. I. VLA Detections of Compact, Flat-Spectrum Cores. <i>Astrophysical Journal</i> , <b>2000</b> , 542, 186-196	4-7	113
5	The Relative Orientation of Nuclear Accretion and Galaxy Stellar Disks in Seyfert Galaxies. <i>Astrophysical Journal</i> , <b>1999</b> , 516, 97-113	4-7	68
4	Radio Structures of Seyfert Galaxies. VIII. A Distance- and Magnitude-Limited Sample of Early-Type Galaxies. <i>Astrophysical Journal, Supplement Series</i> , <b>1999</b> , 120, 209-245	8	136
3	Kinematics of the Molecular Sheath of the HH 111 Optical Jet. <i>Astrophysical Journal</i> , <b>1997</b> , 482, L195-L197	4-7	30
2	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
1	Radio Cores in Low-Luminosity AGN: ADAFs or Jets? 218-221		3