Neil M Nagar

List of Publications by Year
in descending order

64 papers	10,130 citations	94269 37 h-index	138251 58 g-index
64 all docs	64 docs citations	64 times ranked	4161 citing authors

#	Article	IF	Citations
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	3.0	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	3.0	618
6	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	3.0	568
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	3.0	519
8	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	3.0	297
9	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	3.0	215
10	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	3.0	215
11	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	2.9	190
12	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	3.0	187
13	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26.	3.0	175
14	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	3.0	163
15	Radio Structures of Seyfert Galaxies. VIII. A Distanceâ€•and Magnitudeâ€Limited Sample of Earlyâ€Type Galaxies. Astrophysical Journal, Supplement Series, 1999, 120, 209-245.	3.0	145
16	The Murmur of the Sleeping Black Hole: Detection of Nuclear Ultraviolet Variability in LINER Galaxies. Astrophysical Journal, 2005, 625, 699-715.	1.6	144
17	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	3.0	142
18	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	3.0	137

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19	Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, .	1.6	126
20	Radio Sources in Lowâ€Luminosity Active Galactic Nuclei. I. VLA Detections of Compact, Flatâ€Spectrum Cores. Astrophysical Journal, 2000, 542, 186-196.	1.6	119
21	Evolution of the Nuclear Accretion Disk Emission in NGC 1097: Getting Closer to the Black Hole. Astrophysical Journal, 2003, 598, 956-968.	1.6	99
22	230 GHz VLBI OBSERVATIONS OF M87: EVENTâ€HORIZONâ€SCALE STRUCTURE DURING AN ENHANCED VERYâ€HIGHâ€ENERGY $gamma $â€RAY STATE IN 2012. Astrophysical Journal, 2015, 807, 150.	1.6	98
23	Evidence for Jet Domination of the Nuclear Radio Emission in Low-Luminosity Active Galactic Nuclei. Astrophysical Journal, 2001, 559, L87-L90.	1.6	96
24	The Relative Orientation of Nuclear Accretion and Galaxy Stellar Disks in Seyfert Galaxies. Astrophysical Journal, 1999, 516, 97-113.	1.6	75
25	Detection of Intrinsic Source Structure at â^¼3 Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. Astrophysical Journal, 2018, 859, 60.	1.6	67
26	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	3.0	67
27	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	4.2	65
28	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2021, 911, L11.	3.0	56
29	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	2.1	54
30	Aluminum Abundances, Deep Mixing, and the Blue-Tail Second- Parameter Effect in the Globular Clusters M3 and M1 3. Astronomical Journal, 2000, 120, 1364-1383.	1.9	54
31	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	1.6	51
32	Gas inflows towards the nucleus of the active galaxy NGCÂ7213. Monthly Notices of the Royal Astronomical Society, 2014, 438, 3322-3331.	1.6	47
33	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	1.6	47
34	Feeding and feedback in the inner kiloparsec of the active galaxy NGC 2110. Monthly Notices of the Royal Astronomical Society, 2014, 437, 1708-1724.	1.6	46
35	Verification of Radiative Transfer Schemes for the EHT. Astrophysical Journal, 2020, 897, 148.	1.6	44
36	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. Astrophysical Journal, 2021, 912, 35.	1.6	43

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37	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	3.0	43
38	Herschel-ATLAS and ALMA. Astronomy and Astrophysics, 2014, 568, A92.	2.1	33
39	Toward Determining the Number of Observable Supermassive Black Hole Shadows. Astrophysical Journal, 2021, 923, 260.	1.6	31
40	Kinematics of the Molecular Sheath of the HH 111 Optical Jet. Astrophysical Journal, 1997, 482, L195-L198.	1.6	30
41	Feeding and feedback in NGCÂ3081. Monthly Notices of the Royal Astronomical Society, 2016, 457, 972-985.	1.6	26
42	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	3.0	21
43	The complex jet- and bar-perturbed kinematics in NGC 3393 as revealed with ALMA and GEMINIâ€“GMOS/IFU. Monthly Notices of the Royal Astronomical Society, 2018, 479, 3892-3908.	1.6	20
44	The Molecular Gas in the NGC 6240 Merging Galaxy System at the Highest Spatial Resolution. Astrophysical Journal, 2020, 890, 149.	1.6	20
45	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	3.0	20
46	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	3.0	20
47	A CO molecular gas wind 340 pc away from the Seyfert 2 nucleus in ESO 420-G13 probes an elusive radio jet. Astronomy and Astrophysics, 2020, 633, A127.	2.1	18
48	Near-infrared dust and line emission from the central region of Mrkâ€ƒ1066: constraints from Gemini NIFS. Monthly Notices of the Royal Astronomical Society, 2010, , .	1.6	17
49	An outflow in the Seyfert ESO 362-G18 revealed by Gemini-GMOS/IFU observations. Astronomy and Astrophysics, 2018, 614, A94.	2.1	14
50	Optical, Near-IR, and Sub-mm IFU Observations of the Nearby Dual Active Galactic Nuclei MRK 463. Astrophysical Journal, 2018, 854, 83.	1.6	13
51	Gas inflows towards the nucleus of NGCâ€‰1358. Monthly Notices of the Royal Astronomical Society, 2017, 471, 3888-3898.	1.6	9
52	Resolving accretion flows in nearby active galactic nuclei with the Event Horizon Telescope. Monthly Notices of the Royal Astronomical Society, 2019, 490, 4606-4621.	1.6	9
53	Outflowing gas in a compact ionization cone in the Seyfert 2 galaxy ESO 153-G20. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4111-4124.	1.6	7
54	How to Fuel an AGN: Mapping Circumnuclear Gas in NGC 6240 with ALMA. Astrophysical Journal Letters, 2019, 885, L21.	3.0	7

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55	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. Astrophysical Journal, 2022, 925, 13.	1.6	6
56	Gas inflows towards the nucleus of the Seyfert 2 galaxy NGCÂ1667. Monthly Notices of the Royal Astronomical Society, 0, , stx018.	1.6	5
57	A nuclear ionized gas outflow in the Seyfert 2 galaxy UGC 2024. Monthly Notices of the Royal Astronomical Society, 2019, 487, 3679-3692.	1.6	5
58	Radio Cores in Low-Luminosity AGN: ADAFs or Jets?. , 0, , 218-221.		4
59	AGNs in LLAGNs: High resolution radio observations of the Palomar sample. Proceedings of the International Astronomical Union, 2004, 2004, 461-462.	0.0	1
60	The molecular gas properties in the gravitationally lensed merger HATLASâ€‰J142935.3â€“002836. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2366-2378.	1.6	1
61	Chilean virtual observatory and integration with ALMA. , 2014, , .		0
62	The ALMA phasing system, a status report. , 2015, , .		0
63	Predicting the emission profile and estimation of model parameters for some nearby LLAGN using accretion and jet models. Proceedings of the International Astronomical Union, 2019, 15, 56-60.	0.0	0
64	Accretion properties of lowâ€luminosity active galactic nuclei. Astronomische Nachrichten, 0, , .	0.6	0