Gopal Narayanan

List of Publications by Year
in descending order

47 papers	9,446 citations	136950 32 h-index	233421 45 g-index
47 all docs	47 docs citations	47 times ranked	4470 citing authors

#	Article	IF	Citations
1	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	8.3	163
2	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
3	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
4	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	8.3	142
5	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
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.	8.3	568
7	Selective Dynamical Imaging of Interferometric Data. Astrophysical Journal Letters, 2022, 930, L18.	8.3	21
8	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
9	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
10	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	8.3	187
11	The Dense Gas Mass Fraction and the Relationship to Star Formation in M51. Astrophysical Journal, 2022, 930, 170.	4.5	5
12	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
13	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14.	8.3	67
14	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
15	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. Nature Astronomy, 2021, 5, 1017-1028.	10.1	65
16	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. Physical Review Letters, 2020, 125, 141104.	7.8	190
17	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. Astrophysical Journal, 2020, 897, 139.	4.5	47
18	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. Astronomy and Astrophysics, 2020, 640, A69.	5.1	54

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19	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. Astrophysical Journal, 2020, 901, 67.	4.5	51
20	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
21	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2.	8.3	618
22	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
23	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1.	8.3	2,264
24	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
25	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	8.3	897
26	A dusty star-forming galaxy at z = 6 revealed by strong gravitational lensing. Nature Astronomy, 2018, 2, 56-62.	10.1	74
27	THE INTRINSIC SHAPE OF SAGITTARIUS A* AT 3.5 mm WAVELENGTH. Astrophysical Journal, 2016, 824, 40.	4.5	31
28	Early Science with the Large Millimeter Telescope: COOL BUDHIES I â€“ a pilot study of molecular and atomic gas atzâ‰ƒ 0.2. Monthly Notices of the Royal Astronomical Society, 2016, 459, 3287-3306.	4.4	33
29	EARLY SCIENCE WITH THE LARGE MILLIMETER TELESCOPE: EXPLORING THE EFFECT OF AGN ACTIVITY ON THE RELATIONSHIPS BETWEEN MOLECULAR GAS, DUST, AND STAR FORMATION. Astrophysical Journal, 2014, 796, 135.	4.5	13
30	Molecular outflows identified in the FCRAO CO survey of the Taurus Molecular Cloud. Monthly Notices of the Royal Astronomical Society, 2012, 425, 2641-2667.	4.4	35
31	The Large Millimeter Telescope. Proceedings of SPIE, 2010, , .	0.8	23
32	THE REDSHIFT SEARCH RECEIVER OBSERVATIONS OF¹²COJ= 1 â†’ 0 IN 29 ULTRALUMINOUS INFRARED GALAXIES. Astronomical Journal, 2009, 138, 858-872.	4.7	40
33	Spectra of nearby galaxies measured with a new very broadband receiver. Proceedings of the International Astronomical Union, 2008, 4, 251-256.	0.0	0
34	Largeâ€Scale Structure of the Molecular Gas in Taurus Revealed by High Linear Dynamic Range Spectral Line Mapping. Astrophysical Journal, 2008, 680, 428-445.	4.5	364
35	Multiple Parsecâ€Scale Outflows in the NGC 2071 Cluster. Astrophysical Journal, 2008, 679, 557-569.	4.5	14
36	The Five College Radio Astronomy Observatory CO Mapping Survey of the Taurus Molecular Cloud. Astrophysical Journal, Supplement Series, 2008, 177, 341-361.	7.7	96

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37	Discovery of a Molecular Outflow in the Haro 6â€10 Starâ€forming Region. Astrophysical Journal, 2007, 660, 418-425.	4.5	5
38	Kinematics of Protostellar Objects in the Ï•Ophiuchus A Region. Astrophysical Journal, 2006, 647, 1170-1179.	4.5	6
39	Entrainment Mechanisms for Outflows in the L1551 Starâ€forming Region. Astrophysical Journal, 2006, 649, 280-298.	4.5	37
40	Star Formation in Brightâ€rimmed Clouds. I. Millimeter and Submillimeter Molecular Line Surveys. Astrophysical Journal, 2002, 577, 798-825.	4.5	39
41	ErrataThe â€œBlueâ€Bulgeâ€•Infall Signature Toward IRAS 16293â^'2422. Astrophysical Journal, 2000, 530, 1105-1105.	4.5	0
42	The â€œBlueâ€Bulgeâ€•Infall Signature toward IRAS 16293â^'2422. Astrophysical Journal, 1998, 496, 292-310.	4.5	38
43	A Parameterized Study of the Detection of Infall in Protostellar Systems. Astrophysical Journal, 1998, 508, 780-790.	4.5	9
44	Firstâ€Overtone CO Variability in Young Stellar Objects. Astrophysical Journal, 1997, 491, 359-365.	4.5	37
45	Evidence for Multiple Outbursts from the Cepheus A Molecular Outflow. Astrophysical Journal, 1996, 466, 844.	4.5	54
46	Spectroscopic signatures of infall in young protostellar systems. Astrophysical Journal, 1994, 431, 767.	4.5	66
47	The Detection of [C i] in Molecular Outflows Associated with Young Stellar Objects. Astrophysical Journal, 1993, 415, 672.	4.5	7