

# Dominic W Pesce

## List of Publications by Year in descending order

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Version: 2024-02-01

55  
papers

10,181  
citations

117453

34  
h-index

155451

55  
g-index

55  
all docs

55  
docs citations

55  
times ranked

4064  
citing authors

#	ARTICLE	IF	CITATIONS
1	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
2	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
3	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
4	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
5	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 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. <i>Astrophysical Journal Letters</i> , 2022, 930, L12.	3.0	568
7	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
8	Cosmology intertwined: A review of the particle physics, astrophysics, and cosmology associated with the cosmological tensions and anomalies. <i>Journal of High Energy Astrophysics</i> , 2022, 34, 49-211.	2.4	350
9	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
10	The Megamaser Cosmology Project. XIII. Combined Hubble Constant Constraints. <i>Astrophysical Journal Letters</i> , 2020, 891, L1.	3.0	243
11	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
12	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215
13	An Improved Distance to NGC 4258 and Its Implications for the Hubble Constant. <i>Astrophysical Journal Letters</i> , 2019, 886, L27.	3.0	187
14	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.	3.0	187
15	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	3.0	175
16	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	3.0	163
17	Universal interferometric signatures of a black hole's photon ring. <i>Science Advances</i> , 2020, 6, eaaz1310.	4.7	161
18	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	3.0	142

#	ARTICLE	IF	CITATIONS
19	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022, 930, L15.	3.0	137
20	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021, 103, .	1.6	126
21	THE MEGAMASER COSMOLOGY PROJECT. VI. OBSERVATIONS OF NGC 6323. <i>Astrophysical Journal</i> , 2015, 800, 26.	1.6	71
22	THE MEGAMASER COSMOLOGY PROJECT. VIII. A GEOMETRIC DISTANCE TO NGC 5765b. <i>Astrophysical Journal</i> , 2016, 817, 128.	1.6	69
23	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
24	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
25	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11.	3.0	56
26	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
27	THE DESTRUCTION OF THE CIRCUMSTELLAR RING OF SN 1987A. <i>Astrophysical Journal Letters</i> , 2015, 806, L19.	3.0	51
28	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
29	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	1.6	47
30	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148.	1.6	44
31	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35.	1.6	43
32	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	3.0	43
33	THE MEGAMASER COSMOLOGY PROJECT. IX. BLACK HOLE MASSES FOR THREE MASER GALAXIES. <i>Astrophysical Journal</i> , 2017, 834, 52.	1.6	42
34	Closure Statistics in Interferometric Data. <i>Astrophysical Journal</i> , 2020, 894, 31.	1.6	42
35	Hybrid Very Long Baseline Interferometry Imaging and Modeling with themis. <i>Astrophysical Journal</i> , 2020, 898, 9.	1.6	34
36	Toward Determining the Number of Observable Supermassive Black Hole Shadows. <i>Astrophysical Journal</i> , 2021, 923, 260.	1.6	31

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37	THE MEGAMASER COSMOLOGY PROJECT. VII. INVESTIGATING DISK PHYSICS USING SPECTRAL MONITORING OBSERVATIONS. <i>Astrophysical Journal</i> , 2015, 810, 65.	1.6	26
38	On the Approximation of the Black Hole Shadow with a Simple Polar Curve. <i>Astrophysical Journal</i> , 2020, 900, 77.	1.6	22
39	The Megamaser Cosmology Project. X. High-resolution Maps and Mass Constraints for SMBHs. <i>Astrophysical Journal</i> , 2018, 854, 124.	1.6	21
40	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18.	3.0	21
41	A D-term Modeling Code (DMC) for Simultaneous Calibration and Full-Stokes Imaging of Very Long Baseline Interferometric Data. <i>Astronomical Journal</i> , 2021, 161, 178.	1.9	20
42	Measuring Spin from Relative Photon-ring Sizes. <i>Astrophysical Journal</i> , 2022, 927, 6.	1.6	20
43	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022, 930, L21.	3.0	20
44	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , 2022, 930, L20.	3.0	20
45	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020, 636, A5.	2.1	18
46	Enhancing the H <sub>2</sub> O Megamaser Detection Rate Using Optical and Mid-infrared Photometry. <i>Astrophysical Journal</i> , 2018, 860, 169.	1.6	16
47	SUBMILLIMETER H <sub>2</sub> O MEGASERS IN NGC 4945 AND THE CIRCINUS GALAXY. <i>Astrophysical Journal</i> , 2016, 827, 68.	1.6	15
48	Closure Traces: Novel Calibration-insensitive Quantities for Radio Astronomy. <i>Astrophysical Journal</i> , 2020, 904, 126.	1.6	15
49	The Megamaser Cosmology Project. XI. A Geometric Distance to CGCG 074-064. <i>Astrophysical Journal</i> , 2020, 890, 118.	1.6	13
50	Measuring Supermassive Black Hole Peculiar Motion Using H <sub>2</sub> O Megamasers. <i>Astrophysical Journal</i> , 2018, 863, 149.	1.6	12
51	Origins space telescope: from first light to life. <i>Experimental Astronomy</i> , 2021, 51, 595.	1.6	8
52	A More Efficient Search for H <sub>2</sub> O Megamaser Galaxies: The Power of X-Ray and Mid-infrared Photometry. <i>Astrophysical Journal</i> , 2020, 892, 18.	1.6	7
53	A Restless Supermassive Black Hole in the Galaxy J0437+2456. <i>Astrophysical Journal</i> , 2021, 909, 141.	1.6	6
54	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13.	1.6	6

#	ARTICLE	IF	CITATIONS
55	New views of black holes from computational imaging. Nature Computational Science, 2021, 1, 300-303.	3.8	1