

Dominic W Pesce

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55
papers

4,174
citations

21
h-index

55
g-index

55
ext. papers

7,055
ext. citations

6.3
avg, IF

4.7
L-index

#	Paper	IF	Citations
55	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
54	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
53	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
52	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
51	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
50	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
49	The Megamaser Cosmology Project. XIII. Combined Hubble Constant Constraints. <i>Astrophysical Journal Letters</i> , 2020 , 891, L1	7.9	116
48	An Improved Distance to NGC 4258 and Its Implications for the Hubble Constant. <i>Astrophysical Journal Letters</i> , 2019 , 886, L27	7.9	99
47	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
46	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
45	Universal interferometric signatures of a black hole's photon ring. <i>Science Advances</i> , 2020 , 6, eaaz1310	14.3	68
44	THE MEGAMASER COSMOLOGY PROJECT. VI. OBSERVATIONS OF NGC 6323. <i>Astrophysical Journal</i> , 2015 , 800, 26	4.7	59
43	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
42	THE MEGAMASER COSMOLOGY PROJECT. VIII. A GEOMETRIC DISTANCE TO NGC 5765b. <i>Astrophysical Journal</i> , 2016 , 817, 128	4.7	54
41	THE DESTRUCTION OF THE CIRCUMSTELLAR RING OF SN 1987A. <i>Astrophysical Journal Letters</i> , 2015 , 806, L19	7.9	39
40	THE MEGAMASER COSMOLOGY PROJECT. IX. BLACK HOLE MASSES FOR THREE MASER GALAXIES. <i>Astrophysical Journal</i> , 2017 , 834, 52	4.7	31
39	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28

38	Closure Statistics in Interferometric Data. <i>Astrophysical Journal</i> , 2020 , 894, 31	4.7	27
37	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
36	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
35	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
34	THE MEGAMASER COSMOLOGY PROJECT. VII. INVESTIGATING DISK PHYSICS USING SPECTRAL MONITORING OBSERVATIONS. <i>Astrophysical Journal</i> , 2015 , 810, 65	4.7	20
33	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
32	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
31	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
30	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
29	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
28	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, 49-49	2.5	17
27	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
26	The Megamaser Cosmology Project. X. High-resolution Maps and Mass Constraints for SMBHs. <i>Astrophysical Journal</i> , 2018 , 854, 124	4.7	16
25	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
24	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
23	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
22	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
21	Hybrid Very Long Baseline Interferometry Imaging and Modeling with themis. <i>Astrophysical Journal</i> , 2020 , 898, 9	4.7	11

20	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
19	SUBMILLIMETER H ₂ O MEGAMASERS IN NGC 4945 AND THE CIRCINUS GALAXY. <i>Astrophysical Journal</i> , 2016 , 827, 68	4.7	10
18	On the Approximation of the Black Hole Shadow with a Simple Polar Curve. <i>Astrophysical Journal</i> , 2020 , 900, 77	4.7	10
17	Enhancing the H ₂ O Megamaser Detection Rate Using Optical and Mid-infrared Photometry. <i>Astrophysical Journal</i> , 2018 , 860, 169	4.7	10
16	Measuring Supermassive Black Hole Peculiar Motion Using H ₂ O Megamasers. <i>Astrophysical Journal</i> , 2018 , 863, 149	4.7	9
15	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
14	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
13	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020 , 636, A5	5.1	7
12	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	4.9	7
11	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
10	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
9	The Megamaser Cosmology Project. XI. A Geometric Distance to CGCG 074-064. <i>Astrophysical Journal</i> , 2020 , 890, 118	4.7	6
8	Closure Traces: Novel Calibration-insensitive Quantities for Radio Astronomy. <i>Astrophysical Journal</i> , 2020 , 904, 126	4.7	5
7	A More Efficient Search for H ₂ O Megamaser Galaxies: The Power of X-Ray and Mid-infrared Photometry. <i>Astrophysical Journal</i> , 2020 , 892, 18	4.7	4
6	Origins space telescope: from first light to life. <i>Experimental Astronomy</i> , 2021 , 51, 595	1.3	3
5	Toward Determining the Number of Observable Supermassive Black Hole Shadows. <i>Astrophysical Journal</i> , 2021 , 923, 260	4.7	3
4	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
3	A Restless Supermassive Black Hole in the Galaxy J0437+2456. <i>Astrophysical Journal</i> , 2021 , 909, 141	4.7	1

2 New views of black holes from computational imaging. *Nature Computational Science*, **2021**, 1, 300-303 1

1 Measuring Spin from Relative Photon-ring Sizes. *Astrophysical Journal*, **2022**, 927, 6 4-7 0