

George N Wong

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.

51
papers

8,552
citations

20
h-index

54
g-index

54
ext. papers

12,284
ext. citations

6.8
avg, IF

5.46
L-index

#	Paper	IF	Citations
51	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
50	PATOKA: Simulating Electromagnetic Observables of Black Hole Accretion. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 259, 64	8	3
49	Photon Ring Symmetries in Simulated Linear Polarization Images of Messier 87*. <i>Astrophysical Journal</i> , 2022 , 929, 49	4.7	0
48	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
47	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
46	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
45	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
44	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
43	Stochastic social behavior coupled to COVID-19 dynamics leads to waves, plateaus and an endemic state. <i>ELife</i> , 2021 , 10,	8.9	3
42	iharm3D: Vectorized General Relativistic Magnetohydrodynamics. <i>Journal of Open Source Software</i> , 2021 , 6, 3336	5.2	5
41	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
40	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
39	Time-dependent heterogeneity leads to transient suppression of the COVID-19 epidemic, not herd immunity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	22
38	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
37	The Role of Adaptive Ray Tracing in Analyzing Black Hole Structure. <i>Astrophysical Journal</i> , 2021 , 912, 39	4.7	5
36	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
35	Photon ring autocorrelations. <i>Physical Review D</i> , 2021 , 103,	4.9	12

34	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
33	The Jetdisk Boundary Layer in Black Hole Accretion. <i>Astrophysical Journal</i> , 2021 , 914, 55	4.7	6
32	Pair Drizzle around Sub-Eddington Supermassive Black Holes. <i>Astrophysical Journal</i> , 2021 , 907, 73	4.7	8
31	Black Hole Glimmer Signatures of Mass, Spin, and Inclination. <i>Astrophysical Journal</i> , 2021 , 909, 217	4.7	9
30	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
29	Radiation GRMHD simulations of M87: funnel properties and prospects for gap acceleration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 507, 4864-4878	4.3	5
28	Modeling COVID-19 Dynamics in Illinois under Nonpharmaceutical Interventions. <i>Physical Review X</i> , 2020 , 10,	9.1	9
27	Universal interferometric signatures of a black hole's photon ring. <i>Science Advances</i> , 2020 , 6, eaaz1310	14.3	68
26	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
25	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
24	Discriminating Accretion States via Rotational Symmetry in Simulated Polarimetric Images of M87. <i>Astrophysical Journal</i> , 2020 , 894, 156	4.7	14
23	Bremsstrahlung in GRMHD Models of Accreting Black Holes. <i>Astrophysical Journal</i> , 2020 , 898, 50	4.7	6
22	Monitoring the Morphology of M87* in 2009-2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	4.7	20
21	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020 , 125, 141104	7.4	74
20	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
19	Decomposing the internal faraday rotation of black hole accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 5468-5488	4.3	17
18	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
17	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325

16	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
15	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
14	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
13	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
12	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
11	Millimeter Wave Mobile Communications for 5G Cellular: It Will Work!. <i>IEEE Access</i> , 2013 , 1, 335-349	3.5	4239
10	28 GHz millimeter wave cellular communication measurements for reflection and penetration loss in and around buildings in New York city 2013 ,		205
9	28 GHz propagation measurements for outdoor cellular communications using steerable beam antennas in New York city 2013 ,		224
8	28 GHz Angle of Arrival and Angle of Departure Analysis for Outdoor Cellular Communications Using Steerable Beam Antennas in New York City 2013 ,		140
7	Modeling COVID-19 dynamics in Illinois under non-pharmaceutical interventions		6
6	Projections and early-warning signals of a second wave of the COVID-19 epidemic in Illinois		1
5	Persistent heterogeneity not short-term overdispersion determines herd immunity to COVID-19		7
4	Entry screening and multi-layer mitigation of COVID-19 cases for a safe university reopening		5
3	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
2	Stochastic social behavior coupled to COVID-19 dynamics leads to waves, plateaus and an endemic state		5
1	Mitigation of SARS-CoV-2 Transmission at a Large Public University		3