

George N Wong

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

15,055
citations

201575

27
h-index

254106

43
g-index

54
all docs

54
docs citations

54
times ranked

9776
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Millimeter Wave Mobile Communications for 5G Cellular: It Will Work!. IEEE Access, 2013, 1, 335-349. | 2.6 | 6,075 |
| 2 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L1. | 3.0 | 2,264 |
| 3 | 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 |
| 4 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5. | 3.0 | 814 |
| 5 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4. | 3.0 | 806 |
| 6 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. Astrophysical Journal Letters, 2019, 875, L2. | 3.0 | 618 |
| 7 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3. | 3.0 | 519 |
| 8 | 28 GHz millimeter wave cellular communication measurements for reflection and penetration loss in and around buildings in New York city. , 2013, , . | | 314 |
| 9 | First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13. | 3.0 | 297 |
| 10 | 28 GHz propagation measurements for outdoor cellular communications using steerable beam antennas in New York city. , 2013, , . | | 285 |
| 11 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12. | 3.0 | 215 |
| 12 | 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 |
| 13 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. Astrophysical Journal, Supplement Series, 2019, 243, 26. | 3.0 | 175 |
| 14 | 28 GHz Angle of Arrival and Angle of Departure Analysis for Outdoor Cellular Communications Using Steerable Beam Antennas in New York City. , 2013, , . | | 170 |
| 15 | Universal interferometric signatures of a black hole's photon ring. Science Advances, 2020, 6, eaaz1310. | 4.7 | 161 |
| 16 | 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 |
| 17 | Constraints on black-hole charges with the 2017 EHT observations of M87*. Physical Review D, 2021, 103, . | 1.6 | 126 |
| 18 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. Astrophysical Journal Letters, 2021, 910, L14. | 3.0 | 67 |

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|----|--|-----|-----------|
| 19 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028. | 4.2 | 65 |
| 20 | 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, . | 3.3 | 57 |
| 21 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021, 911, L11. | 3.0 | 56 |
| 22 | 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 |
| 23 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67. | 1.6 | 51 |
| 24 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139. | 1.6 | 47 |
| 25 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020, 897, 148. | 1.6 | 44 |
| 26 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021, 912, 35. | 1.6 | 43 |
| 27 | 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 |
| 28 | Photon ring autocorrelations. <i>Physical Review D</i> , 2021, 103, . | 1.6 | 40 |
| 29 | Discriminating Accretion States via Rotational Symmetry in Simulated Polarimetric Images of M87. <i>Astrophysical Journal</i> , 2020, 894, 156. | 1.6 | 40 |
| 30 | Decomposing the internal Faraday rotation of black hole accretion flows. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 5468-5488. | 1.6 | 29 |
| 31 | Stochastic social behavior coupled to COVID-19 dynamics leads to waves, plateaus, and an endemic state. <i>ELife</i> , 2021, 10, . | 2.8 | 28 |
| 32 | Modeling COVID-19 Dynamics in Illinois under Nonpharmaceutical Interventions. <i>Physical Review X</i> , 2020, 10, . | 2.8 | 27 |
| 33 | Pair Drizzle around Sub-Eddington Supermassive Black Holes. <i>Astrophysical Journal</i> , 2021, 907, 73. | 1.6 | 26 |
| 34 | PATOKA: Simulating Electromagnetic Observables of Black Hole Accretion. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 64. | 3.0 | 25 |
| 35 | iharm3D: Vectorized General Relativistic Magnetohydrodynamics. <i>Journal of Open Source Software</i> , 2021, 6, 3336. | 2.0 | 24 |
| 36 | Black Hole Glimmer Signatures of Mass, Spin, and Inclination. <i>Astrophysical Journal</i> , 2021, 909, 217. | 1.6 | 22 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 37 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022, 930, L18. | 3.0 | 21 |
| 38 | Mitigation of SARS-CoV-2 transmission at a large public university. <i>Nature Communications</i> , 2022, 13, . | 5.8 | 21 |
| 39 | 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 |
| 40 | 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 |
| 41 | The Jet's disk Boundary Layer in Black Hole Accretion. <i>Astrophysical Journal</i> , 2021, 914, 55. | 1.6 | 17 |
| 42 | The Role of Adaptive Ray Tracing in Analyzing Black Hole Structure. <i>Astrophysical Journal</i> , 2021, 912, 39. | 1.6 | 13 |
| 43 | Bremsstrahlung in GRMHD Models of Accreting Black Holes. <i>Astrophysical Journal</i> , 2020, 898, 50. | 1.6 | 12 |
| 44 | Photon Ring Symmetries in Simulated Linear Polarization Images of Messier 87*. <i>Astrophysical Journal</i> , 2022, 929, 49. | 1.6 | 12 |
| 45 | 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. | 1.6 | 11 |
| 46 | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022, 925, 13. | 1.6 | 6 |
| 47 | Measuring a Black Hole Shadow. <i>Physics Magazine</i> , 0, 15, . | 0.1 | 0 |