

# Geoffrey B Crew

## List of Publications by Citations

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51  
papers

4,161  
citations

20  
h-index

52  
g-index

52  
ext. papers

6,749  
ext. citations

6.5  
avg, IF

3.09  
L-index

| #  | Paper  | IF   | Citations |
|----|--|------|-----------|
| 51 | First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L1                                    | 7.9  | 1110      |
| 50 | First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L6                               | 7.9  | 466       |
| 49 | First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L5                                       | 7.9  | 429       |
| 48 | First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L4                                 | 7.9  | 411       |
| 47 | First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L2   | 7.9  | 325       |
| 46 | First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L3  | 7.9  | 267       |
| 45 | Resolved magnetic-field structure and variability near the event horizon of Sagittarius A. <i>Science</i> , <b>2015</b> , 350, 1242-5  | 33.3 | 144       |
| 44 | The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 26                              | 8    | 96        |
| 43 | 230 GHz VLBI OBSERVATIONS OF M87: EVENT-HORIZON-SCALE STRUCTURE DURING AN ENHANCED VERY-HIGH-ENERGY $\gamma$ -RAY STATE IN 2012. <i>Astrophysical Journal</i> , <b>2015</b> , 807, 150   | 4.7  | 85        |
| 42 | Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , <b>2020</b> , 125, 141104                               | 7.4  | 74        |
| 41 | First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L13                          | 7.9  | 70        |
| 40 | PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. <i>Astrophysical Journal</i> , <b>2016</b> , 820, 90  | 4.7  | 62        |
| 39 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12  | 7.9  | 58        |
| 38 | Detection of Intrinsic Source Structure at $\sim 3$ Schwarzschild Radii with Millimeter-VLBI Observations of SAGITTARIUS A*. <i>Astrophysical Journal</i> , <b>2018</b> , 859, 60        | 4.7  | 55        |
| 37 | The X-Ray Afterglows of GRB 020813 and GRB 021004 with Chandra HETGS: Possible Evidence for a Supernova Prior to GRB 020813. <i>Astrophysical Journal</i> , <b>2003</b> , 597, 1010-1016 | 4.7  | 47        |
| 36 | FINE-SCALE STRUCTURE OF THE QUASAR 3C 279 MEASURED WITH 1.3 mm VERY LONG BASELINE INTERFEROMETRY. <i>Astrophysical Journal</i> , <b>2013</b> , 772, 13                                   | 4.7  | 28        |
| 35 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14  | 7.9  | 28        |

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| 34 | THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 139  | 4.7  | 24 |
| 33 | 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> , <b>2022</b> , 930, L12 | 7.9  | 23 |
| 32 | Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 640, A69                           | 5.1  | 21 |
| 31 | Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 67  | 4.7  | 20 |
| 30 | First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L14                 | 7.9  | 20 |
| 29 | Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 148  | 4.7  | 18 |
| 28 | Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , <b>2021</b> , 103,  | 4.9  | 18 |
| 27 | First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L16           | 7.9  | 18 |
| 26 | EHT-HOPS Pipeline for Millimeter VLBI Data Reduction. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 23   | 4.7  | 17 |
| 25 | Demonstration of a 16 Gbps Station-1 Broadband-RF VLBI System. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2013</b> , 125, 196-203                                       | 5    | 16 |
| 24 | CANIBEX IDENTIFY VARIATIONS IN THE GALACTIC ENVIRONMENT OF THE SUN USING ENERGETIC NEUTRAL ATOMS?. <i>Astrophysical Journal</i> , <b>2010</b> , 719, 1984-1992                                   | 4.7  | 16 |
| 23 | Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 911, L11                                     | 7.9  | 16 |
| 22 | First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L13  | 7.9  | 16 |
| 21 | First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L15                            | 7.9  | 16 |
| 20 | R2DBE: A Wideband Digital Backend for the Event Horizon Telescope. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2015</b> , 127, 1226-1239                                 | 5    | 15 |
| 19 | Spectral-Lag Relations in GRB Pulses Detected with HETE-2. <i>Publication of the Astronomical Society of Japan</i> , <b>2010</b> , 62, 487-499   | 3.2  | 15 |
| 18 | First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L17   | 7.9  | 14 |
| 17 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,  | 12.1 | 13 |

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| 16 | Multiple-Component Analysis of the Time-Resolved Spectra of GRB041006: A Clue to the Nature of the Underlying Soft Component of GRBs. <i>Publication of the Astronomical Society of Japan</i> , <b>2008</b> , 60, 919-931 | 3.3 | 12 |
| 15 | Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L19  | 7.9 | 11 |
| 14 | An Optically Dark GRB Observed by HETE-2: GRB 051022. <i>Publication of the Astronomical Society of Japan</i> , <b>2006</b> , 58, L35-L39   | 3.2 | 9  |
| 13 | Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L21                                  | 7.9 | 9  |
| 12 | A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L20   | 7.9 | 8  |
| 11 | The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 35   | 4.7 | 7  |
| 10 | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18  | 7.9 | 7  |
| 9  | The 1.4 mm Core of Centaurus A: First VLBI Results with the South Pole Telescope. <i>Astrophysical Journal</i> , <b>2018</b> , 861, 129   | 4.7 | 6  |
| 8  | Detection of Pulses from the Vela Pulsar at Millimeter Wavelengths with Phased ALMA. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 885, L10  | 7.9 | 6  |
| 7  | HETE-2 Localization and Observations of the Gamma-Ray Burst GRB 020813. <i>Publication of the Astronomical Society of Japan</i> , <b>2005</b> , 57, 1031-1039   | 3.2 | 5  |
| 6  | HETE-2 Observations of the X-Ray Flash XRF 040916. <i>Publication of the Astronomical Society of Japan</i> , <b>2007</b> , 59, 695-702  | 3.2 | 3  |
| 5  | The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 13   | 4.7 | 2  |
| 4  | An 86 GHz Search for Pulsars in the Galactic Center with the Atacama Large Millimeter / submillimeter Array. <i>Astrophysical Journal</i> , <b>2021</b> , 914, 30   | 4.7 | 2  |
| 3  | Phasing up ALMA <b>2014</b> ,   |     | 1  |
| 2  | Immediate reports of GRBs in progress from HETE. <i>Astrophysics and Space Science</i> , <b>1995</b> , 231, 483-486   | 1.6 | 1  |
| 1  | The UV cameras on the High Energy Transient Experiment (HETE). <i>Astrophysics and Space Science</i> , <b>1995</b> , 231, 479-482   | 1.6 |    |