

# Michael A Nowak

## List of Publications by Citations

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40  
papers

1,852  
citations

18  
h-index

40  
g-index

40  
ext. papers

3,049  
ext. citations

6.1  
avg, IF

3.42  
L-index

| #  | Paper                                                                                                                                                                                                    | IF  | Citations |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 40 | CIAO: Chandra's data analysis system <b>2006</b> , 6270, 586                                                                                                                                             |     | 613       |
| 39 | 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       |
| 38 | Low-Luminosity States of the Black Hole Candidate GX 339B. I. ASCA and Simultaneous Radio/RXTE Observations. <i>Astrophysical Journal</i> , <b>1999</b> , 522, 460-475                                   | 4.7 | 88        |
| 37 | 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        |
| 36 | CHANDRA X-RAY SPECTROSCOPY OF THE FOCUSED WIND IN THE CYGNUS X-1 SYSTEM. I. THE NONDIP SPECTRUM IN THE LOW/HARD STATE. <i>Astrophysical Journal</i> , <b>2009</b> , 690, 330-346                         | 4.7 | 65        |
| 35 | First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12                                                                  | 7.9 | 58        |
| 34 | TGCat: THE CHANDRA TRANSMISSION GRATING DATA CATALOG AND ARCHIVE. <i>Astronomical Journal</i> , <b>2011</b> , 141, 129                                                                                   | 4.9 | 57        |
| 33 | A HARD X-RAY POWER-LAW SPECTRAL CUTOFF IN CENTAURUS X-4. <i>Astrophysical Journal</i> , <b>2014</b> , 797, 92                                                                                            | 4.7 | 44        |
| 32 | Disk-dominated States of 4U 1957+11: Chandra, XMM-Newton, and RXTE Observations of Ostensibly the Most Rapidly Spinning Galactic Black Hole. <i>Astrophysical Journal</i> , <b>2008</b> , 689, 1199-1214 | 4.7 | 34        |
| 31 | Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14                                                                      | 7.9 | 28        |
| 30 | Tracking the Orbital and Superorbital Periods of SMC X-1. <i>Astrophysical Journal</i> , <b>2007</b> , 670, 624-634                                                                                      | 4.7 | 25        |
| 29 | 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        |
| 28 | Chandra Spectral and Timing Analysis of Sgr A*'s Brightest X-Ray Flares. <i>Astrophysical Journal</i> , <b>2019</b> , 886, 96                                                                            | 4.7 | 22        |
| 27 | The Ultra-fast Outflow of the Quasar PG 1211+143 as Viewed by Time-averaged Chandra Grating Spectroscopy. <i>Astrophysical Journal</i> , <b>2018</b> , 853, 165                                          | 4.7 | 20        |
| 26 | Sagittarius A* High-energy X-Ray Flare Properties during NuStar Monitoring of the Galactic Center from 2012 to 2015. <i>Astrophysical Journal</i> , <b>2017</b> , 843, 96                                | 4.7 | 20        |
| 25 | Correlated Radio-X-Ray Variability of Galactic Black Holes: A Radio-X-Ray Flare in Cygnus X-1. <i>Astrophysical Journal</i> , <b>2007</b> , 663, L97-L100                                                | 4.7 | 20        |
| 24 | 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        |

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| 23 | 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 |
| 22 | Arcus: the x-ray grating spectrometer explorer <b>2016</b> ,                                                                                                                                    |      | 17 |
| 21 | 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 |
| 20 | 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 |
| 19 | 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 |
| 18 | Discovery of an Ultraviolet Counterpart to an Ultrafast X-Ray Outflow in the Quasar PG 1211+143. <i>Astrophysical Journal</i> , <b>2018</b> , 853, 166                                          | 4.7  | 13 |
| 17 | Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,                                                                             | 12.1 | 13 |
| 16 | Relativistic Components of the Ultra-fast Outflow in the Quasar PDS 456 from Chandra/HETGS, NuSTAR, and XMM-Newton Observations. <i>Astrophysical Journal</i> , <b>2019</b> , 873, 29           | 4.7  | 11 |
| 15 | AN ULTRA-FAST X-RAY DISK WIND IN THE NEUTRON STAR BINARY GX 340+0. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 822, L18                                                                | 7.9  | 11 |
| 14 | The Disk Wind in the Neutron Star Low-mass X-Ray Binary GX 13+1. <i>Astrophysical Journal</i> , <b>2018</b> , 861, 26                                                                           | 4.7  | 11 |
| 13 | 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 |
| 12 | 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  |
| 11 | 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  |
| 10 | Chandra-HETGS Characterization of an Outflowing Wind in the Accreting Millisecond Pulsar IGR J17591-3342. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 69                                  | 4.7  | 7  |
| 9  | No Sign of G2 $\delta$ Encounter Affecting Sgr A* $\delta$ X-Ray Flaring Rate from Chandra Observations. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 148                                  | 4.7  | 7  |
| 8  | 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  |
| 7  | Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18                                                                              | 7.9  | 7  |
| 6  | The Nuclear X-Ray Emission-line Structure in NGC 2992 Revealed by Chandra-HETGS. <i>Astrophysical Journal</i> , <b>2017</b> , 840, 120                                                          | 4.7  | 6  |

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|---|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|---|
| 5 | Thermal Emission in the Quiescent Neutron Star SAX J1810.8-2609. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 58                                                 | 4-7 | 4 |
| 4 | The Chandra High-resolution X-Ray Spectrum of Quiescent Emission from Sgr A*. <i>Astrophysical Journal</i> , <b>2020</b> , 891, 71                                    | 4-7 | 3 |
| 3 | X-ray spectral and flux variability of the microquasar GRS 1758-58 on timescales from weeks to years. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 636, A51      | 5-1 | 3 |
| 2 | MPI_XSTAR: MPI-based Parallelization of the XSTAR Photoionization Program. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2018</b> , 130, 024501 | 5   | 2 |
| 1 | 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 |