

# Michael A Nowak

## List of Publications by Year in Descending Order

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**Version:** 2024-04-19

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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.

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	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
39	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
38	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
37	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
36	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
35	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
34	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
33	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , <b>2022</b> , 930, L18	7.9	7
32	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
31	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
30	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
29	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L14	7.9	28
28	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
27	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
26	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 910, L12	7.9	58
25	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
24	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

23	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
22	Chandra-HETGS Characterization of an Outflowing Wind in the Accreting Millisecond Pulsar IGR J17591-342. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 69	4-7	7
21	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
20	No Sign of G2's Encounter Affecting Sgr A*'s X-Ray Flaring Rate from Chandra Observations. <i>Astrophysical Journal</i> , <b>2019</b> , 884, 148	4-7	7
19	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
18	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
17	Thermal Emission in the Quiescent Neutron Star SAX J1810.8-2609. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 58	4-7	4
16	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
15	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
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	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
12	Sagittarius A*'s 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
11	Arcus: the x-ray grating spectrometer explorer <b>2016</b> ,		17
10	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
9	A HARD X-RAY POWER-LAW SPECTRAL CUTOFF IN CENTAURUS X-4. <i>Astrophysical Journal</i> , <b>2014</b> , 797, 92	4-7	44
8	TGCat: THE CHANDRA TRANSMISSION GRATING DATA CATALOG AND ARCHIVE. <i>Astronomical Journal</i> , <b>2011</b> , 141, 129	4-9	57
7	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
6	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

5	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
4	Tracking the Orbital and Superorbital Periods of SMC X-1. <i>Astrophysical Journal</i> , <b>2007</b> , 670, 624-634	4-7	25
3	CIAO: Chandra's data analysis system <b>2006</b> , 6270, 586		613
2	Low-Luminosity States of the Black Hole Candidate GX 339B. I.A.S.C.A. and Simultaneous Radio/RXTE Observations. <i>Astrophysical Journal</i> , <b>1999</b> , 522, 460-475	4-7	88
1	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13