Daniel Michalik

List of Publications by Year
in descending order

23 papers	5,298 citations	394421 19 h-index	642732 23 g-index
23 all docs	23 docs citations	23 times ranked	2297 citing authors

#	Article	IF	Citations
1	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. Astrophysical Journal Letters, 2019, 875, L6.	8.3	897
2	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. Astrophysical Journal Letters, 2019, 875, L5.	8.3	814
3	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. Astrophysical Journal Letters, 2019, 875, L4.	8.3	806
4	First Sagittarius A* Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole in the Center of the Milky Way. Astrophysical Journal Letters, 2022, 930, L12.	8.3	568
5	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. Astrophysical Journal Letters, 2019, 875, L3.	8.3	519
6	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. Astrophysical Journal Letters, 2021, 910, L13.	8.3	297
7	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. Astrophysical Journal Letters, 2021, 910, L12.	8.3	215
8	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. Astrophysical Journal Letters, 2022, 930, L17.	8.3	215
9	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. Astrophysical Journal Letters, 2022, 930, L16.	8.3	187
10	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. Astrophysical Journal Letters, 2022, 930, L14.	8.3	163
11	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. Astrophysical Journal Letters, 2022, 930, L13.	8.3	142
12	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. Astrophysical Journal Letters, 2022, 930, L15.	8.3	137
13	orvara: An Efficient Code to Fit Orbits Using Radial Velocity, Absolute, and/or Relative Astrometry. Astronomical Journal, 2021, 162, 186.	4.7	55
14	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. Astrophysical Journal Letters, 2022, 930, L19.	8.3	43
15	Precise Dynamical Masses and Orbital Fits for Î² Pic b and Î² Pic c. Astronomical Journal, 2021, 161, 179.	4.7	40
16	A Dynamical Mass of 70ÂÂ±Â5 M _{Jup} for Gliese 229B, the First T Dwarf. Astronomical Journal, 2020, 160, 196.	4.7	38
17	Joint astrometric solution of HIPPARCOS andGaia. Astronomy and Astrophysics, 2014, 571, A85.	5.1	36
18	SCExAO/CHARIS Direct Imaging Discovery of a 20 au Separation, Low-mass Ratio Brown Dwarf Companion to an Accelerating Sun-like Star [*]. Astrophysical Journal Letters, 2020, 904, L25.	8.3	33

#	Article	IF	Citations
19	The First Dynamical Mass Measurement in the HR 8799 System. Astrophysical Journal Letters, 2021, 915, L16.	8.3	30
20	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. Astrophysical Journal Letters, 2022, 930, L21.	8.3	20
21	A Universal Power-law Prescription for Variability from Synthetic Images of Black Hole Accretion Flows. Astrophysical Journal Letters, 2022, 930, L20.	8.3	20
22	htof: A New Open-source Tool for Analyzing Hipparcos, Gaia, and Future Astrometric Missions. Astronomical Journal, 2021, 162, 230.	4.7	19
23	Impact of Electrical Contacts Design and Materials on the Stability of Ti Superconducting Transition Shape. Journal of Low Temperature Physics, 2018, 193, 732-738.	1.4	4