

Roman Gold

List of Publications by Citations

Source: <https://exaly.com/author-pdf/8374259/roman-gold-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

48 papers	4,211 citations	22 h-index	49 g-index
49 ext. papers	6,828 ext. citations	6.9 avg, IF	4.47 L-index

#	Paper	IF	Citations
48	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L1	7.9	1110
47	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L6	7.9	466
46	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019 , 875, L5	7.9	429
45	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019 , 875, L4	7.9	411
44	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019 , 875, L2	7.9	325
43	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019 , 875, L3	7.9	267
42	Resolved magnetic-field structure and variability near the event horizon of Sagittarius A. <i>Science</i> , 2015 , 350, 1242-5	33.3	144
41	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 26	8	96
40	Binary black-hole mergers in magnetized disks: simulations in full general relativity. <i>Physical Review Letters</i> , 2012 , 109, 221102	7.4	83
39	Eccentric binary neutron star mergers. <i>Physical Review D</i> , 2012 , 86,	4.9	74
38	Accretion disks around binary black holes of unequal mass: General relativistic magnetohydrodynamic simulations near decoupling. <i>Physical Review D</i> , 2014 , 89,	4.9	71
37	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021 , 910, L13	7.9	70
36	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021 , 910, L12	7.9	58
35	Probing the Magnetic Field Structure in Sgr A* on Black Hole Horizon Scales with Polarized Radiative Transfer Simulations. <i>Astrophysical Journal</i> , 2017 , 837, 180	4.7	52
34	Asymptotic safety casts its shadow. <i>Journal of Cosmology and Astroparticle Physics</i> , 2019 , 2019, 029-029	6.4	46
33	Accretion disks around binary black holes of unequal mass: General relativistic MHD simulations of postdecoupling and merger. <i>Physical Review D</i> , 2014 , 90,	4.9	44
32	Gravitational Waves from F-modes Excited by the Inspiral of Highly Eccentric Neutron Star Binaries. <i>Astrophysical Journal</i> , 2017 , 837, 67	4.7	37

31	Eccentric black hole mergers and zoom-whirl behavior from elliptic inspirals to hyperbolic encounters. <i>Physical Review D</i> , 2013 , 88,	4.9	33
30	Dynamical ejecta and nucleosynthetic yields from eccentric binary neutron-star mergers. <i>Physical Review D</i> , 2018 , 98,	4.9	33
29	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021 , 910, L14	7.9	28
28	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 897, 139	4.7	24
27	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> , 2022 , 930, L12	7.9	23
26	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020 , 640, A69	5.1	21
25	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 901, 67	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> , 2022 , 930, L14	7.9	20
23	Verification of Radiative Transfer Schemes for the EHT. <i>Astrophysical Journal</i> , 2020 , 897, 148	4.7	18
22	Constraints on black-hole charges with the 2017 EHT observations of M87*. <i>Physical Review D</i> , 2021 , 103,	4.9	18
21	First Sagittarius A* Event Horizon Telescope Results. V. Testing Astrophysical Models of the Galactic Center Black Hole. <i>Astrophysical Journal Letters</i> , 2022 , 930, L16	7.9	18
20	Broadband Multi-wavelength Properties of M87 during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2021 , 911, L11	7.9	16
19	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022 , 930, L13	7.9	16
18	First Sagittarius A* Event Horizon Telescope Results. IV. Variability, Morphology, and Black Hole Mass. <i>Astrophysical Journal Letters</i> , 2022 , 930, L15	7.9	16
17	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022 , 930, L17	7.9	14
16	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> ,	12.1	13
15	Hybrid Very Long Baseline Interferometry Imaging and Modeling with themis. <i>Astrophysical Journal</i> , 2020 , 898, 9	4.7	11
14	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022 , 930, L19	7.9	11

13	Spacetime Tomography Using the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020 , 892, 132	4.7	9
12	Characterizing and Mitigating Intraday Variability: Reconstructing Source Structure in Accreting Black Holes with mm-VLBI. <i>Astrophysical Journal Letters</i> , 2022 , 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> , 2022 , 930, L20	7.9	8
10	SYMBA: An end-to-end VLBI synthetic data generation pipeline. <i>Astronomy and Astrophysics</i> , 2020 , 636, A5	5.1	7
9	Minidisk Dynamics in Accreting, Spinning Black Hole Binaries: Simulations in Full General Relativity. <i>Astrophysical Journal Letters</i> , 2021 , 910, L26	7.9	7
8	The Polarized Image of a Synchrotron-emitting Ring of Gas Orbiting a Black Hole. <i>Astrophysical Journal</i> , 2021 , 912, 35	4.7	7
7	Differentiating disc and black hole-driven jets with EHT images of variability in M87. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 493, 5606-5616	4.3	7
6	Selective Dynamical Imaging of Interferometric Data. <i>Astrophysical Journal Letters</i> , 2022 , 930, L18	7.9	7
5	Relativistic Aspects of Accreting Supermassive Black Hole Binaries in Their Natural Habitat: A Review. <i>Galaxies</i> , 2019 , 7, 63	2	6
4	Probing neutron star structure via f-mode oscillations and damping in dynamical spacetime models. <i>Physical Review D</i> , 2019 , 99,	4.9	5
3	The Variability of the Black Hole Image in M87 at the Dynamical Timescale. <i>Astrophysical Journal</i> , 2022 , 925, 13	4.7	2
2	Measuring Spin from Relative Photon-ring Sizes. <i>Astrophysical Journal</i> , 2022 , 927, 6	4.7	0
1	Project h1021: Dynamics of Binary Black Hole Systems 2010 , 395-407		