

Feryal Ã-zel

List of Publications by Year in descending order

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145106

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#	ARTICLE	IF	CITATIONS
1	Brightness Asymmetry of Black Hole Images as a Probe of Observer Inclination. <i>Astrophysical Journal</i> , 2022, 924, 46.	1.6	8
2	MeqSilhouette v2: spectrally resolved polarimetric synthetic data generation for the event horizon telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 490-504.	1.6	7
3	Markov Chains for Horizons MARCH. I. Identifying Biases in Fitting Theoretical Models to Event Horizon Telescope Observations. <i>Astrophysical Journal</i> , 2022, 928, 55.	1.6	2
4	First Sagittarius A* Event Horizon Telescope Results. III. Imaging of the Galactic Center Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2022, 930, L14.	3.0	163
5	First Sagittarius A* Event Horizon Telescope Results. VI. Testing the Black Hole Metric. <i>Astrophysical Journal Letters</i> , 2022, 930, L17.	3.0	215
6	First Sagittarius A* Event Horizon Telescope Results. II. EHT and Multiwavelength Observations, Data Processing, and Calibration. <i>Astrophysical Journal Letters</i> , 2022, 930, L13.	3.0	142
7	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.	3.0	568
8	Millimeter Light Curves of Sagittarius A* Observed during the 2017 Event Horizon Telescope Campaign. <i>Astrophysical Journal Letters</i> , 2022, 930, L19.	3.0	43
9	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.	3.0	187
10	Topological data analysis of black hole images. <i>Physical Review D</i> , 2022, 106, .	1.6	3
11	First M87 Event Horizon Telescope Results. VII. Polarization of the Ring. <i>Astrophysical Journal Letters</i> , 2021, 910, L12.	3.0	215
12	Polarimetric Properties of Event Horizon Telescope Targets from ALMA. <i>Astrophysical Journal Letters</i> , 2021, 910, L14.	3.0	67
13	First M87 Event Horizon Telescope Results. VIII. Magnetic Field Structure near The Event Horizon. <i>Astrophysical Journal Letters</i> , 2021, 910, L13.	3.0	297
14	Event Horizon Telescope observations of the jet launching and collimation in Centaurus A. <i>Nature Astronomy</i> , 2021, 5, 1017-1028.	4.2	65
15	Realistic finite-temperature effects in neutron star merger simulations. <i>Physical Review D</i> , 2021, 104, .	1.6	34
16	Gravitational Test beyond the First Post-Newtonian Order with the Shadow of the M87 Black Hole. <i>Physical Review Letters</i> , 2020, 125, 141104.	2.9	190
17	Event Horizon Telescope imaging of the archetypal blazar 3C 279 at an extreme 20 microarcsecond resolution. <i>Astronomy and Astrophysics</i> , 2020, 640, A69.	2.1	54
18	A Parametric Model for the Shapes of Black Hole Shadows in Non-Kerr Spacetimes. <i>Astrophysical Journal</i> , 2020, 896, 7.	1.6	41

#	ARTICLE	IF	CITATIONS
19	Monitoring the Morphology of M87* in 2009â€“2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	1.6	51
20	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	3.0	519
21	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	3.0	618
22	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	3.0	806
23	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	3.0	2,264
24	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	3.0	814
25	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	3.0	897
26	GRMHD Simulations of Visibility Amplitude Variability for Event Horizon Telescope Images of Sgr A*. <i>Astrophysical Journal</i> , 2018, 856, 163.	1.6	16
27	NICER and Fermi GBM Observations of the First Galactic Ultraluminous X-Ray Pulsar Swift J0243.6+6124. <i>Astrophysical Journal</i> , 2018, 863, 9.	1.6	95
28	The Lynx X-ray Surveyor. <i>Nature Astronomy</i> , 2018, 2, 608-609.	4.2	11
29	Variability in GRMHD Simulations of Sgr : Implications for EHT Closure Phase Observations. <i>Astrophysical Journal</i> , 2017, 844, 35.	1.6	23
30	BAYESIAN TECHNIQUES FOR COMPARING TIME-DEPENDENT GRMHD SIMULATIONS TO VARIABLE EVENT HORIZON TELESCOPE OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 832, 156.	1.6	26
31	PERSISTENT ASYMMETRIC STRUCTURE OF SAGITTARIUS A* ON EVENT HORIZON SCALES. <i>Astrophysical Journal</i> , 2016, 820, 90.	1.6	65
32	Masses, Radii, and the Equation of State of Neutron Stars. <i>Annual Review of Astronomy and Astrophysics</i> , 2016, 54, 401-440.	8.1	964
33	EFFECTS OF SPOT SIZE ON NEUTRON-STAR RADIUS MEASUREMENTS FROM PULSE PROFILES. <i>Astrophysical Journal</i> , 2015, 811, 144.	1.6	20
34	THE POWER OF IMAGING: CONSTRAINING THE PLASMA PROPERTIES OF GRMHD SIMULATIONS USING EHT OBSERVATIONS OF Sgr A*. <i>Astrophysical Journal</i> , 2015, 799, 1.	1.6	123
35	A GENERAL RELATIVISTIC NULL HYPOTHESIS TEST WITH EVENT HORIZON TELESCOPE OBSERVATIONS OF THE BLACK HOLE SHADOW IN Sgr A*. <i>Astrophysical Journal</i> , 2015, 814, 115.	1.6	105
36	Surface emission from neutron stars and implications for the physics of their interiors. <i>Reports on Progress in Physics</i> , 2013, 76, 016901.	8.1	102

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37	GRay: A MASSIVELY PARALLEL GPU-BASED CODE FOR RAY TRACING IN RELATIVISTIC SPACETIMES. <i>Astrophysical Journal</i> , 2013, 777, 13.	1.6	90
38	RADIO SYNCHROTRON EMISSION FROM A BOW SHOCK AROUND THE GAS CLOUD G2 HEADING TOWARD THE GALACTIC CENTER. <i>Astrophysical Journal Letters</i> , 2012, 757, L20.	3.0	41
39	MASSES OF NEARBY SUPERMASSIVE BLACK HOLES WITH VERY LONG BASELINE INTERFEROMETRY. <i>Astrophysical Journal</i> , 2012, 758, 30.	1.6	43
40	Gas clumping in self-consistent reionization models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2464-2479.	1.6	104
41	Astrophysical measurement of the equation of state of neutron star matter. <i>Physical Review D</i> , 2010, 82, .	1.6	252
42	Constraining parity violation in gravity with measurements of neutron-star moments of inertia. <i>Physical Review D</i> , 2010, 81, .	1.6	48
43	Hybrid Thermalâ€Nonthermal Synchrotron Emission from Hot Accretion Flows. <i>Astrophysical Journal</i> , 2000, 541, 234-249.	1.6	139