

Benjamin R Ryan

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

6,743
citations

394421

19
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

3394
citing authors

#	ARTICLE	IF	CITATIONS
1	PATOKA: Simulating Electromagnetic Observables of Black Hole Accretion. <i>Astrophysical Journal, Supplement Series</i> , 2022, 259, 64.	7.7	25
2	Pair Drizzle around Sub-Eddington Supermassive Black Holes. <i>Astrophysical Journal</i> , 2021, 907, 73.	4.5	26
3	Radiation GRMHD simulations of M87: funnel properties and prospects for gap acceleration. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 4864-4878.	4.4	11
4	iharm3D: Vectorized General Relativistic Magnetohydrodynamics. <i>Journal of Open Source Software</i> , 2021, 6, 3336.	4.6	24
5	MOCMC: Method of Characteristics Moment Closure, a Numerical Method for Covariant Radiation Magnetohydrodynamics. <i>Astrophysical Journal</i> , 2020, 891, 118.	4.5	18
6	THEMIS: A Parameter Estimation Framework for the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 897, 139.	4.5	47
7	Bremsstrahlung in GRMHD Models of Accreting Black Holes. <i>Astrophysical Journal</i> , 2020, 898, 50.	4.5	12
8	Monitoring the Morphology of M87* in 2009–2017 with the Event Horizon Telescope. <i>Astrophysical Journal</i> , 2020, 901, 67.	4.5	51
9	Full Transport General Relativistic Radiation Magnetohydrodynamics for Nucleosynthesis in Collapsars. <i>Astrophysical Journal</i> , 2020, 902, 66.	4.5	58
10	The Event Horizon General Relativistic Magnetohydrodynamic Code Comparison Project. <i>Astrophysical Journal, Supplement Series</i> , 2019, 243, 26.	7.7	175
11	Full transport model of GW170817-like disk produces a blue kilonova. <i>Physical Review D</i> , 2019, 100, .	4.7	135
12	1/2bhlight: Radiation GRMHD for Neutrino-driven Accretion Flows. <i>Astrophysical Journal, Supplement Series</i> , 2019, 241, 30.	7.7	26
13	First M87 Event Horizon Telescope Results. III. Data Processing and Calibration. <i>Astrophysical Journal Letters</i> , 2019, 875, L3.	8.3	519
14	First M87 Event Horizon Telescope Results. II. Array and Instrumentation. <i>Astrophysical Journal Letters</i> , 2019, 875, L2.	8.3	618
15	First M87 Event Horizon Telescope Results. IV. Imaging the Central Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L4.	8.3	806
16	First M87 Event Horizon Telescope Results. I. The Shadow of the Supermassive Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L1.	8.3	2,264
17	First M87 Event Horizon Telescope Results. V. Physical Origin of the Asymmetric Ring. <i>Astrophysical Journal Letters</i> , 2019, 875, L5.	8.3	814
18	First M87 Event Horizon Telescope Results. VI. The Shadow and Mass of the Central Black Hole. <i>Astrophysical Journal Letters</i> , 2019, 875, L6.	8.3	897

#	ARTICLE	IF	CITATIONS
19	Two-temperature GRRMHD Simulations of M87. <i>Astrophysical Journal</i> , 2018, 864, 126.	4.5	63
20	Resolution Dependence of Magnetorotational Turbulence in the Isothermal Stratified Shearing Box. <i>Astrophysical Journal</i> , 2017, 840, 6.	4.5	33
21	The Radiative Efficiency and Spectra of Slowly Accreting Black Holes from Two-temperature GRRMHD Simulations. <i>Astrophysical Journal Letters</i> , 2017, 844, L24.	8.3	56
22	bhlight : GENERAL RELATIVISTIC RADIATION MAGNETOHYDRODYNAMICS WITH MONTE CARLO TRANSPORT. <i>Astrophysical Journal</i> , 2015, 807, 31.	4.5	65