

Alexander J Dittmann

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,867
citations

759233

12
h-index

940533

16
g-index

16
all docs

16
docs citations

16
times ranked

1270
citing authors

#	ARTICLE	IF	CITATIONS
1	An analytical, fully relativistic framework for tidal disruption event streams in Schwarzschild geometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 3408-3419.	4.4	1
2	A survey of disc thickness and viscosity in circumbinary accretion: Binary evolution, variability, and disc morphology. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 6158-6176.	4.4	24
3	Effects of an Immortal Stellar Population in AGN Disks. <i>Astrophysical Journal</i> , 2022, 929, 133.	4.5	17
4	High-order multiderivative IMEX schemes. <i>Applied Numerical Mathematics</i> , 2021, 160, 205-216.	2.1	3
5	Stellar Evolution in the Disks of Active Galactic Nuclei Produces Rapidly Rotating Massive Stars. <i>Astrophysical Journal</i> , 2021, 914, 105.	4.5	29
6	Constraining the Neutron Star Mass–Radius Relation and Dense Matter Equation of State with NICER. III. Model Description and Verification of Parameter Estimation Codes. <i>Astrophysical Journal Letters</i> , 2021, 914, L15.	8.3	27
7	Accretion onto Stars in the Disks of Active Galactic Nuclei. <i>Astrophysical Journal</i> , 2021, 916, 48.	4.5	26
8	The Radius of PSR J0740+6620 from NICER and XMM-Newton Data. <i>Astrophysical Journal Letters</i> , 2021, 918, L28.	8.3	556
9	NICER Detection of Thermal X-Ray Pulsations from the Massive Millisecond Pulsars PSR J0740+6620 and PSR J1614–2230. <i>Astrophysical Journal Letters</i> , 2021, 918, L26.	8.3	13
10	On the terminal spins of accreting stars and planets: boundary layers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 1842-1852.	4.4	10
11	Preventing Anomalous Torques in Circumbinary Accretion Simulations. <i>Astrophysical Journal</i> , 2021, 921, 71.	4.5	27
12	Modified Hermite integrators of arbitrary order. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1217-1223.	4.4	2
13	Star formation in accretion discs and SMBH growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3732-3743.	4.4	47
14	Constraining the Neutron Star Mass–Radius Relation and Dense Matter Equation of State with NICER. II. Emission from Hot Spots on a Rapidly Rotating Neutron Star. <i>Astrophysical Journal Letters</i> , 2019, 887, L26.	8.3	95
15	PSR J0030+0451 Mass and Radius from NICER Data and Implications for the Properties of Neutron Star Matter. <i>Astrophysical Journal Letters</i> , 2019, 887, L24.	8.3	978
16	A Candidate Tidal Disruption Event in a Quasar at $z=2.359$ from Abundance Ratio Variability. <i>Astrophysical Journal</i> , 2018, 859, 8.	4.5	12