

Riouhei Nakatani

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

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840776

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docs citations

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times ranked

334
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiation Hydrodynamics Simulations of Photoevaporation of Protoplanetary Disks by Ultraviolet Radiation: Metallicity Dependence. <i>Astrophysical Journal</i> , 2018, 857, 57.	4.5	51
2	Radiation Hydrodynamics Simulations of Photoevaporation of Protoplanetary Disks. II. Metallicity Dependence of UV and X-Ray Photoevaporation. <i>Astrophysical Journal</i> , 2018, 865, 75.	4.5	46
3	FAUST I. The hot corino at the heart of the prototypical Class I protostar L1551 IRS5. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 498, L87-L92.	3.3	27
4	Substructure Formation in a Protostellar Disk of L1527 IRS. <i>Astrophysical Journal Letters</i> , 2020, 895, L2.	8.3	26
5	Super-Eddington accretion of dusty gas onto seed black holes: metallicity-dependent efficiency of mass growth. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	23
6	Ring Formation by Coagulation of Dust Aggregates in the Early Phase of Disk Evolution around a Protostar. <i>Astrophysical Journal</i> , 2021, 907, 80.	4.5	19
7	Radiation Hydrodynamics Simulations of Protoplanetary Disks: Stellar Mass Dependence of the Disk Photoevaporation Rate. <i>Astrophysical Journal</i> , 2021, 910, 51.	4.5	19
8	FAUST. II. Discovery of a Secondary Outflow in IRAS 15398 $\hat{\sim}$ 3359: Variability in Outflow Direction during the Earliest Stage of Star Formation?. <i>Astrophysical Journal</i> , 2021, 910, 11.	4.5	19
9	Rapid Growth of Seed Black Holes during Early Bulge Formation. <i>Astrophysical Journal</i> , 2022, 927, 237.	4.5	16
10	Hydrodynamical simulations of protoplanetary disks including irradiation of stellar photons. <i>Astronomy and Astrophysics</i> , 2020, 644, A50.	5.1	15
11	Photoevaporation of Grain-depleted Protoplanetary Disks around Intermediate-mass Stars: Investigating the Possibility of Gas-rich Debris Disks as Protoplanetary Remnants. <i>Astrophysical Journal</i> , 2021, 915, 90.	4.5	14
12	Photoevaporation of Molecular Gas Clumps Illuminated by External Massive Stars: Clump Lifetimes and Metallicity Dependence. <i>Astrophysical Journal</i> , 2019, 883, 127.	4.5	11
13	Photoevaporation of Minihalos During Cosmic Reionization: Primordial and Metal-enriched Halos. <i>Astrophysical Journal</i> , 2020, 905, 151.	4.5	9
14	Misaligned Rotations of the Envelope, Outflow, and Disks in the Multiple Protostellar System of VLA 1623 $\hat{\sim}$ 2417: FAUST. III. <i>Astrophysical Journal</i> , 2022, 927, 54.	4.5	7
15	Stellar wind effect on the atmospheric escape of hot Jupiters and their Ly $\hat{\alpha}$ and H $\hat{\alpha}$ transits. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 855-860.	4.4	6
16	Laboratory Measurement of Millimeter-wave Transitions of $^{13}\text{CH}_2\text{DOH}$ for Astronomical Use. <i>Astrophysical Journal</i> , 2022, 932, 101.	4.5	4
17	Anatomy of Photoevaporation Base: Linking the Property of the Launched Wind to Irradiation Flux. <i>Astrophysical Journal</i> , 2022, 930, 124.	4.5	1