

Riouhei Nakatani

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

313
citations

840776

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940533

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all docs

17
docs citations

17
times ranked

334
citing authors

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