

Yayaati Chachan

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

410
citations

840776

11
h-index

1058476

14
g-index

14
all docs

14
docs citations

14
times ranked

609
citing authors

#	ARTICLE	IF	CITATIONS
1	Kepler-167e as a Probe of the Formation Histories of Cold Giants with Inner Super-Earths. <i>Astrophysical Journal</i> , 2022, 926, 62.	4.5	13
2	The Hubble PanCET Program: A Featureless Transmission Spectrum for WASP-29b and Evidence of Enhanced Atmospheric Metallicity on WASP-80b. <i>Astronomical Journal</i> , 2022, 164, 30.	4.7	4
3	Metastable Helium Reveals an Extended Atmosphere for the Gas Giant HAT-P-18b. <i>Astrophysical Journal Letters</i> , 2021, 909, L10.	8.3	32
4	Radial Gradients in Dust-to-gas Ratio Lead to Preferred Region for Giant Planet Formation. <i>Astrophysical Journal</i> , 2021, 919, 63.	4.5	14
5	A Search for Planetary Metastable Helium Absorption in the V1298 Tau System. <i>Astronomical Journal</i> , 2021, 162, 222.	4.7	19
6	Optical to Near-infrared Transmission Spectrum of the Warm Sub-Saturn HAT-P-12b. <i>Astronomical Journal</i> , 2020, 159, 234.	4.7	21
7	Diffuser-assisted Infrared Transit Photometry for Four Dynamically Interacting Kepler Systems. <i>Astronomical Journal</i> , 2020, 159, 108.	4.7	40
8	A Featureless Infrared Transmission Spectrum for the Super-puff Planet Kepler-79d. <i>Astronomical Journal</i> , 2020, 160, 201.	4.7	24
9	PLATON II: New Capabilities and a Comprehensive Retrieval on HD 189733b Transit and Eclipse Data. <i>Astrophysical Journal</i> , 2020, 899, 27.	4.5	68
10	Dust accretion in binary systems: implications for planets and transition discs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, , .	4.4	7
11	A linear approximation for the effect of cylindrical differential rotation on gravitational moments: Application to the non-unique interpretation of Saturn's gravity. <i>Icarus</i> , 2019, 323, 87-98.	2.5	5
12	Forward Modeling and Retrievals with PLATON, a Fast Open-source Tool. <i>Publications of the Astronomical Society of the Pacific</i> , 2019, 131, 034501.	3.1	88
13	A Hubble PanCET Study of HAT-P-11b: A Cloudy Neptune with a Low Atmospheric Metallicity. <i>Astronomical Journal</i> , 2019, 158, 244.	4.7	37
14	On the Role of Dissolved Gases in the Atmosphere Retention of Low-mass Low-density Planets. <i>Astrophysical Journal</i> , 2018, 854, 21.	4.5	38