

James Kirk

List of Publications by Year in descending order

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Version: 2024-02-01

35
papers

1,249
citations

331670

21
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

1587
citing authors

#	ARTICLE	IF	CITATIONS
1	LRG-BEASTS: Sodium absorption and Rayleigh scattering in the atmosphere of WASP-94A using NTT/EFOOSC2. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4857-4871.	4.4	14
2	p-winds: An open-source Python code to model planetary outflows and upper atmospheres. Astronomy and Astrophysics, 2022, 659, A62.	5.1	22
3	The First Near-infrared Transmission Spectrum of HIP 41378 f, A Low-mass Temperate Jovian World in a Multiplanet System. Astrophysical Journal Letters, 2022, 927, L5.	8.3	16
4	Keck/NIRSPEC Studies of He I in the Atmospheres of Two Inflated Hot Gas Giants Orbiting K Dwarfs: WASP-52b and WASP-177b. Astronomical Journal, 2022, 164, 24.	4.7	18
5	Evidence of a Clear Atmosphere for WASP-62b: The Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone. Astrophysical Journal Letters, 2021, 906, L10.	8.3	20
6	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. Astronomical Journal, 2021, 161, 278.	4.7	9
7	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. Astronomical Journal, 2021, 162, 34.	4.7	35
8	New Perspectives on the Exoplanet Radius Gap from a Mathematica Tool and Visualized Water Equation of State. Astrophysical Journal, 2021, 923, 247.	4.5	20
9	ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H ₂ O, but No Evidence of Na or K. Astronomical Journal, 2020, 159, 13.	4.7	22
10	LRG-BEASTS: ground-based detection of sodium and a steep optical slope in the atmosphere of the highly inflated hot-saturn WASP-21b. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5182-5202.	4.4	14
11	Confirmation of WASP-107b's Extended Helium Atmosphere with Keck II/NIRSPEC. Astronomical Journal, 2020, 159, 115.	4.7	57
12	ACCESS: Confirmation of No Potassium in the Atmosphere of WASP-31b. Astronomical Journal, 2020, 160, 230.	4.7	14
13	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. Astronomical Journal, 2019, 158, 144.	4.7	39
14	Gas phase Elemental abundances in Molecular clouds (GEMS). Astronomy and Astrophysics, 2019, 624, A105.	5.1	66
15	Exoplanet characterisation in the longest known resonant chain: the K2-138 system seen by HARPS. Astronomy and Astrophysics, 2019, 631, A90.	5.1	27
16	An Earth-sized exoplanet with a Mercury-like composition. Nature Astronomy, 2018, 2, 393-400.	10.1	75
17	K2-265 b: a transiting rocky super-Earth. Astronomy and Astrophysics, 2018, 620, A77.	5.1	17
18	LRG-BEASTS III: ground-based transmission spectrum of the gas giant orbiting the cool dwarf WASP-80. Monthly Notices of the Royal Astronomical Society, 2018, 474, 876-885.	4.4	34

#	ARTICLE	IF	CITATIONS
19	K2-110 b: a massive mini-Neptune exoplanet. <i>Astronomy and Astrophysics</i> , 2017, 604, A19.	5.1	24
20	Rayleigh scattering in the transmission spectrum of HAT-P-18b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 3907-3916.	4.4	47
21	From dense hot Jupiter to low-density Neptune: The discovery of WASP-127b, WASP-136b, and WASP-138b. <i>Astronomy and Astrophysics</i> , 2017, 599, A3.	5.1	46
22	A precise optical transmission spectrum of the inflated exoplanet WASP-52b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 470, 742-754.	4.4	39
23	Transmission spectroscopy of the inflated exoplanet WASP-52b, and evidence for a bright region on the stellar surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2922-2931.	4.4	44
24	WASP-135b: A Highly Irradiated, Inflated Hot Jupiter Orbiting a G5V Star. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 024401.	3.1	33
25	K2-30b and K2-34b: Two inflated hot Jupiters around solar-type stars. <i>Astronomy and Astrophysics</i> , 2016, 594, A50.	5.1	11
26	Broad-band spectrophotometry of HAT-P-32b: search for a scattering signature in the planetary spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 604-614.	4.4	43
27	K2-29 b/WASP-152 b: AN ALIGNED AND INFLATED HOT JUPITER IN A YOUNG VISUAL BINARY. <i>Astrophysical Journal</i> , 2016, 824, 55.	4.5	44
28	K2 variable catalogue II. Machine learning classification of variable stars and eclipsing binaries in K2 fields 0-4. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 2260-2272.	4.4	82
29	Single transit candidates from K2: detection and period estimation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 2273-2286.	4.4	66
30	K2-19, The first K2 multi-planetary system showing TTVs. <i>Proceedings of the International Astronomical Union</i> , 2015, 11, 51-56.	0.0	0
31	One of the closest exoplanet pairs to the 3:2 mean motion resonance: K2-19b and c. <i>Astronomy and Astrophysics</i> , 2015, 582, A33.	5.1	37
32	Catalogue of Be/X-ray binary systems in the Small Magellanic Cloud: X-ray, optical and IR properties. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 969-977.	4.4	60
33	K2 Variable Catalogue: Variable stars and eclipsing binaries in K2 campaigns 1 and 0. <i>Astronomy and Astrophysics</i> , 2015, 579, A19.	5.1	69
34	Photodynamical mass determination of the multiplanetary system K2-19. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 454, 4267-4276.	4.4	64
35	The XUV environments of exoplanets from Jupiter-size to super-Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	21