

# James Kirk

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4410320/publications.pdf>

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	K2 variable catalogue – II. Machine learning classification of variable stars and eclipsing binaries in K2 fields – 4. Monthly Notices of the Royal Astronomical Society, 2016, 456, 2260-2272.	4.4	82
2	An Earth-sized exoplanet with a Mercury-like composition. Nature Astronomy, 2018, 2, 393-400.	10.1	75
3	K2 Variable Catalogue: Variable stars and eclipsing binaries in K2 campaigns 1 and 0. Astronomy and Astrophysics, 2015, 579, A19.	5.1	69
4	Single transit candidates from K2: detection and period estimation. Monthly Notices of the Royal Astronomical Society, 2016, 457, 2273-2286.	4.4	66
5	Gas phase Elemental abundances in Molecular clouds (GEMS). Astronomy and Astrophysics, 2019, 624, A105.	5.1	66
6	Photodynamical mass determination of the multiplanetary system K2-19. Monthly Notices of the Royal Astronomical Society, 2015, 454, 4267-4276.	4.4	64
7	Catalogue of Be/X-ray binary systems in the Small Magellanic Cloud: X-ray, optical and IR properties. Monthly Notices of the Royal Astronomical Society, 2015, 452, 969-977.	4.4	60
8	Confirmation of WASP-107b's Extended Helium Atmosphere with Keck II/NIRSPEC. Astronomical Journal, 2020, 159, 115.	4.7	57
9	Rayleigh scattering in the transmission spectrum of HAT-P-18b. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3907-3916.	4.4	47
10	From dense hot Jupiter to low-density Neptune: The discovery of WASP-127b, WASP-136b, and WASP-138b. Astronomy and Astrophysics, 2017, 599, A3.	5.1	46
11	Transmission spectroscopy of the inflated exoplanet WASP-52b, and evidence for a bright region on the stellar surface. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2922-2931.	4.4	44
12	K2-29 b/WASP-152 b: AN ALIGNED AND INFLATED HOT JUPITER IN A YOUNG VISUAL BINARY. Astrophysical Journal, 2016, 824, 55.	4.5	44
13	Broad-band spectrophotometry of HAT-P-32: search for a scattering signature in the planetary spectrum. Monthly Notices of the Royal Astronomical Society, 2016, 463, 604-614.	4.4	43
14	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. Astronomical Journal, 2019, 158, 144.	4.7	39
15	A precise optical transmission spectrum of the inflated exoplanet WASP-52b. Monthly Notices of the Royal Astronomical Society, 2017, 470, 742-754.	4.4	39
16	One of the closest exoplanet pairs to the 3:2 mean motion resonance: K2-19b and c. Astronomy and Astrophysics, 2015, 582, A33.	5.1	37
17	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. Astronomical Journal, 2021, 162, 34.	4.7	35
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	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
20	Exoplanet characterisation in the longest known resonant chain: the K2-138 system seen by HARPS. <i>Astronomy and Astrophysics</i> , 2019, 631, A90.	5.1	27
21	K2-110 b: a massive mini-Neptune exoplanet. <i>Astronomy and Astrophysics</i> , 2017, 604, A19.	5.1	24
22	ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H <sub>2</sub> O, but No Evidence of Na or K. <i>Astronomical Journal</i> , 2020, 159, 13.	4.7	22
23	p-winds: An open-source Python code to model planetary outflows and upper atmospheres. <i>Astronomy and Astrophysics</i> , 2022, 659, A62.	5.1	22
24	The XUV environments of exoplanets from Jupiter-size to super-Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	21
25	Evidence of a Clear Atmosphere for WASP-62b: The Only Known Transiting Gas Giant in the JWST Continuous Viewing Zone. <i>Astrophysical Journal Letters</i> , 2021, 906, L10.	8.3	20
26	New Perspectives on the Exoplanet Radius Gap from a Mathematica Tool and Visualized Water Equation of State. <i>Astrophysical Journal</i> , 2021, 923, 247.	4.5	20
27	Keck/NIRSPEC Studies of He I in the Atmospheres of Two Inflated Hot Gas Giants Orbiting K Dwarfs: WASP-52b and WASP-177b. <i>Astronomical Journal</i> , 2022, 164, 24.	4.7	18
28	K2-265 b: a transiting rocky super-Earth. <i>Astronomy and Astrophysics</i> , 2018, 620, A77.	5.1	17
29	The First Near-infrared Transmission Spectrum of HIP 41378 f, A Low-mass Temperate Jovian World in a Multiplanet System. <i>Astrophysical Journal Letters</i> , 2022, 927, L5.	8.3	16
30	LRG-BEASTS: ground-based detection of sodium and a steep optical slope in the atmosphere of the highly inflated hot-saturn WASP-21b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5182-5202.	4.4	14
31	ACCESS: Confirmation of No Potassium in the Atmosphere of WASP-31b. <i>Astronomical Journal</i> , 2020, 160, 230.	4.7	14
32	LRG-BEASTS: Sodium absorption and Rayleigh scattering in the atmosphere of WASP-94Aâ€%b using NTT/EFOSC2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4857-4871.	4.4	14
33	K2-30â€%b and K2-34â€%b: Two inflated hot Jupiters around solar-type stars. <i>Astronomy and Astrophysics</i> , 2016, 594, A50.	5.1	11
34	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. <i>Astronomical Journal</i> , 2021, 161, 278.	4.7	9
35	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