

Ryan J Macdonald

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9487155/publications.pdf>

Version: 2024-02-01

27
papers

964
citations

516710

16
h-index

580821

25
g-index

27
all docs

27
docs citations

27
times ranked

865
citing authors

#	ARTICLE	IF	CITATIONS
1	HD 209458b in new light: evidence of nitrogen chemistry, patchy clouds and sub-solar water. Monthly Notices of the Royal Astronomical Society, 2017, 469, 1979-1996.	4.4	186
2	H ₂ O abundances and cloud properties in ten hot giant exoplanets. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1485-1498.	4.4	141
3	Detection of titanium oxide in the atmosphere of a hot Jupiter. Nature, 2017, 549, 238-241.	27.8	129
4	Why Is it So Cold in Here? Explaining the Cold Temperatures Retrieved from Transmission Spectra of Exoplanet Atmospheres. Astrophysical Journal Letters, 2020, 893, L43.	8.3	78
5	Signatures of Nitrogen Chemistry in Hot Jupiter Atmospheres. Astrophysical Journal Letters, 2017, 850, L15.	8.3	64
6	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. Astronomical Journal, 2021, 162, 34.	4.7	35
7	The metal-rich atmosphere of the exo-Neptune HAT-P-26b. Monthly Notices of the Royal Astronomical Society, 2019, 486, 1292-1315.	4.4	34
8	TRIDENT: A Rapid 3D Radiative-transfer Model for Exoplanet Transmission Spectra. Astrophysical Journal, 2022, 929, 20.	4.5	31
9	The White Dwarf Opportunity: Robust Detections of Molecules in Earth-like Exoplanet Atmospheres with the James Webb Space Telescope. Astrophysical Journal Letters, 2020, 901, L1.	8.3	28
10	A Spectral Survey of WASP-19b with ESPRESSO. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	27
11	Community Targets of JWST's Early Release Science Program: Evaluation of WASP-63b. Astronomical Journal, 2018, 156, 103.	4.7	25
12	Into the UV: The Atmosphere of the Hot Jupiter HAT-P-41b Revealed. Astrophysical Journal Letters, 2020, 902, L19.	8.3	25
13	Differentiating modern and prebiotic Earth scenarios for TRAPPIST-1e: high-resolution transmission spectra and predictions for JWST. Monthly Notices of the Royal Astronomical Society, 2021, 505, 3562-3578.	4.4	24
14	HST PanCET Program: A Complete Near-UV to Infrared Transmission Spectrum for the Hot Jupiter WASP-79b. Astronomical Journal, 2021, 162, 138.	4.7	21
15	Exploring H ₂ O Prominence in Reflection Spectra of Cool Giant Planets. Astrophysical Journal, 2018, 858, 69.	4.5	20
16	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
17	Detection of Ionized Calcium in the Atmosphere of the Ultra-hot Jupiter WASP-76b. Astrophysical Journal Letters, 2021, 919, L15.	8.3	18
18	A comprehensive analysis of WASP-17b's transmission spectrum from space-based observations. Monthly Notices of the Royal Astronomical Society, 2022, 512, 4185-4209.	4.4	11

#	ARTICLE	IF	CITATIONS
19	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. <i>Astronomical Journal</i> , 2021, 161, 278.	4.7	9
20	A retrieval challenge exercise for the Ariel mission. <i>Experimental Astronomy</i> , 2022, 53, 447-471.	3.7	9
21	Bayesian analysis of Juno/JIRAM's NIR observations of Europa. <i>Icarus</i> , 2021, 357, 114215.	2.5	7
22	Gemini/GMOS Transmission Spectroscopy of the Grazing Planet Candidate WD 1856+534 b. <i>Astronomical Journal</i> , 2021, 162, 296.	4.7	6
23	A Comprehensive Revisit of Select Galileo/NIMS Observations of Europa. <i>Planetary Science Journal</i> , 2021, 2, 183.	3.6	5
24	The Emission Spectrum of the Hot Jupiter WASP-79b from HST/WFC3. <i>Astronomical Journal</i> , 2022, 163, 7.	4.7	4
25	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
26	Why is it So Hot in Here? Exploring Population Trends in Spitzer Thermal Emission Observations of Hot Jupiters Using Planet-specific, Self-consistent Atmospheric Models. <i>Astrophysical Journal</i> , 2021, 923, 242.	4.5	3
27	And now for the exoweatherâ€¦. <i>New Scientist</i> , 2018, 240, 38-41.	0.0	0