

Ryan J Macdonald

List of Publications by Year in descending order

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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	A retrieval challenge exercise for the Ariel mission. <i>Experimental Astronomy</i> , 2022, 53, 447-471.	3.7	9
2	A comprehensive analysis of WASP-17b's transmission spectrum from space-based observations. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4185-4209.	4.4	11
3	TRIDENT: A Rapid 3D Radiative-transfer Model for Exoplanet Transmission Spectra. <i>Astrophysical Journal</i> , 2022, 929, 20.	4.5	31
4	The Emission Spectrum of the Hot Jupiter WASP-79b from HST/WFC3. <i>Astronomical Journal</i> , 2022, 163, 7.	4.7	4
5	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
6	Bayesian analysis of Juno/JIRAM's NIR observations of Europa. <i>Icarus</i> , 2021, 357, 114215.	2.5	7
7	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
8	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. <i>Astronomical Journal</i> , 2021, 161, 278.	4.7	9
9	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. <i>Astronomical Journal</i> , 2021, 162, 34.	4.7	35
10	Differentiating modern and prebiotic Earth scenarios for TRAPPIST-1e: high-resolution transmission spectra and predictions for JWST. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3562-3578.	4.4	24
11	HST PanCET Program: A Complete Near-UV to Infrared Transmission Spectrum for the Hot Jupiter WASP-79b. <i>Astronomical Journal</i> , 2021, 162, 138.	4.7	21
12	Detection of Ionized Calcium in the Atmosphere of the Ultra-hot Jupiter WASP-76b. <i>Astrophysical Journal Letters</i> , 2021, 919, L15.	8.3	18
13	A Comprehensive Revisit of Select Galileo/NIMS Observations of Europa. <i>Planetary Science Journal</i> , 2021, 2, 183.	3.6	5
14	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
15	Gemini/GMOS Transmission Spectroscopy of the Grazing Planet Candidate WD 1856+534 b. <i>Astronomical Journal</i> , 2021, 162, 296.	4.7	6
16	Why Is it So Cold in Here? Explaining the Cold Temperatures Retrieved from Transmission Spectra of Exoplanet Atmospheres. <i>Astrophysical Journal Letters</i> , 2020, 893, L43.	8.3	78
17	The White Dwarf Opportunity: Robust Detections of Molecules in Earth-like Exoplanet Atmospheres with the James Webb Space Telescope. <i>Astrophysical Journal Letters</i> , 2020, 901, L1.	8.3	28
18	Into the UV: The Atmosphere of the Hot Jupiter HAT-P-41b Revealed. <i>Astrophysical Journal Letters</i> , 2020, 902, L19.	8.3	25

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	And now for the exoweather! New Scientist, 2018, 240, 38-41.	0.0	0
22	Exploring H ₂ O Prominence in Reflection Spectra of Cool Giant Planets. Astrophysical Journal, 2018, 858, 69.	4.5	20
23	Community Targets of JWST's Early Release Science Program: Evaluation of WASP-63b. Astronomical Journal, 2018, 156, 103.	4.7	25
24	Detection of titanium oxide in the atmosphere of a hot Jupiter. Nature, 2017, 549, 238-241.	27.8	129
25	Signatures of Nitrogen Chemistry in Hot Jupiter Atmospheres. Astrophysical Journal Letters, 2017, 850, L15.	8.3	64
26	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
27	A Spectral Survey of WASP-19b with ESPRESSO. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	27