

Megan Mansfield

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

1,625
citations

394421

19
h-index

552781

26
g-index

27
all docs

27
docs citations

27
times ranked

1478
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong H ₂ O and CO Emission Features in the Spectrum of KELT-20b Driven by Stellar UV Irradiation. <i>Astrophysical Journal Letters</i> , 2022, 925, L3.	8.3	16
2	No Umbrella Needed: Confronting the Hypothesis of Iron Rain on WASP-76b with Post-processed General Circulation Models. <i>Astrophysical Journal</i> , 2022, 926, 85.	4.5	22
3	A New Analysis of Eight Spitzer Phase Curves and Hot Jupiter Population Trends: Qatar-1b, Qatar-2b, WASP-52b, WASP-34b, and WASP-140b. <i>Astronomical Journal</i> , 2022, 163, 256.	4.7	10
4	Confirmation of Water Absorption in the Thermal Emission Spectrum of the Hot Jupiter WASP-77Ab with HST/WFC3. <i>Astronomical Journal</i> , 2022, 163, 261.	4.7	11
5	The Volatile Carbon-to-oxygen Ratio as a Tracer for the Formation Locations of Interstellar Comets. <i>Planetary Science Journal</i> , 2022, 3, 150.	3.6	10
6	A comprehensive reanalysis of <i>Spitzer</i> 's 4.5- μ m phase curves, and the phase variations of the ultra-hot Jupiters MASCARA-1b and KELT-16b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 3316-3337.	4.4	28
7	Spitzer Phase-curve Observations and Circulation Models of the Inflated Ultrahot Jupiter WASP-76b. <i>Astronomical Journal</i> , 2021, 162, 158.	4.7	27
8	A unique hot Jupiter spectral sequence with evidence for compositional diversity. <i>Nature Astronomy</i> , 2021, 5, 1224-1232.	10.1	40
9	A solar C/O and sub-solar metallicity in a hot Jupiter atmosphere. <i>Nature</i> , 2021, 598, 580-584.	27.8	82
10	Evidence for H ₂ Dissociation and Recombination Heat Transport in the Atmosphere of KELT-9b. <i>Astrophysical Journal Letters</i> , 2020, 888, L15.	8.3	57
11	A transition between the hot and the ultra-hot Jupiter atmospheres. <i>Astronomy and Astrophysics</i> , 2020, 639, A36.	5.1	45
12	Smaller than Expected Bright-spot Offsets in Spitzer Phase Curves of the Hot Jupiter Qatar-1b. <i>Astronomical Journal</i> , 2020, 159, 225.	4.7	13
13	Exploring the Atmospheric Dynamics of the Extreme Ultrahot Jupiter KELT-9b Using TESS Photometry. <i>Astronomical Journal</i> , 2020, 160, 88.	4.7	44
14	Nondetection of Helium in the Upper Atmospheres of Three Sub-Neptune Exoplanets. <i>Astronomical Journal</i> , 2020, 160, 258.	4.7	44
15	Eigenspectra: a framework for identifying spectra from 3D eclipse mapping. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5151-5162.	4.4	9
16	Analyzing Atmospheric Temperature Profiles and Spectra of M Dwarf Rocky Planets. <i>Astrophysical Journal</i> , 2019, 886, 142.	4.5	30
17	Identifying Atmospheres on Rocky Exoplanets through Inferred High Albedo. <i>Astrophysical Journal</i> , 2019, 886, 141.	4.5	37
18	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

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19	Identifying Candidate Atmospheres on Rocky M Dwarf Planets via Eclipse Photometry. <i>Astrophysical Journal</i> , 2019, 886, 140.	4.5	46
20	Effect of Mars Atmospheric Loss on Snow Melt Potential in a 3.5â€‰Gyr Mars Climate Evolution Model. <i>Journal of Geophysical Research E: Planets</i> , 2018, 123, 794-806.	3.6	13
21	Detection of Helium in the Atmosphere of the Exo-Neptune HAT-P-11b. <i>Astrophysical Journal Letters</i> , 2018, 868, L34.	8.3	73
22	A Framework for Prioritizing the <i>TESS</i> Planetary Candidates Most Amenable to Atmospheric Characterization. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114401.	3.1	314
23	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i>. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
24	From thermal dissociation to condensation in the atmospheres of ultra hot Jupiters: WASP-121b in context. <i>Astronomy and Astrophysics</i> , 2018, 617, A110.	5.1	230
25	An HST/WFC3 Thermal Emission Spectrum of the Hot Jupiter HAT-P-7b. <i>Astronomical Journal</i> , 2018, 156, 10.	4.7	70
26	H^{â€”} Opacity and Water Dissociation in the Dayside Atmosphere of the Very Hot Gas Giant WASP-18b. <i>Astrophysical Journal Letters</i> , 2018, 855, L30.	8.3	217