

# Thomas M Evans

## List of Publications by Year in descending order

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65  
papers

3,965  
citations

159585

30  
h-index

123424

61  
g-index

65  
all docs

65  
docs citations

65  
times ranked

2444  
citing authors

#	ARTICLE	IF	CITATIONS
1	Diurnal variations in the stratosphere of the ultrahot giant exoplanet WASP-121b. <i>Nature Astronomy</i> , 2022, 6, 471-479.	10.1	26
2	The Hubble PanCET Program: Emission Spectrum of Hot Jupiter HAT-P-41b. <i>Astronomical Journal</i> , 2022, 163, 190.	4.7	1
3	The Emission Spectrum of the Hot Jupiter WASP-79b from HST/WFC3. <i>Astronomical Journal</i> , 2022, 163, 7.	4.7	4
4	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5464-5485.	4.4	6
5	Signatures of strong magnetization and a metal-poor atmosphere for a Neptune-sized exoplanet. <i>Nature Astronomy</i> , 2022, 6, 141-153.	10.1	26
6	Solar-to-supersolar sodium and oxygen absolute abundances for a "hot Saturn" orbiting a metal-rich star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 3037-3058.	4.4	15
7	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
8	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
9	TESS Observations of the WASP-121 b Phase Curve. <i>Astronomical Journal</i> , 2021, 161, 131.	4.7	23
10	Gemini/GMOS optical transmission spectroscopy of WASP-121b: signs of variability in an ultra-hot Jupiter?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 503, 4787-4801.	4.4	25
11	HST PanCET program: non-detection of atmospheric escape in the warm Saturn-sized planet WASP-29 b. <i>Astronomy and Astrophysics</i> , 2021, 649, A40.	5.1	7
12	Possibilities for an Aerial Biosphere in Temperate Sub Neptune-Sized Exoplanet Atmospheres. <i>Universe</i> , 2021, 7, 172.	2.5	13
13	The Hubble PanCET program: long-term chromospheric evolution and flaring activity of the M dwarf host GJ 3470. <i>Astronomy and Astrophysics</i> , 2021, 650, A73.	5.1	8
14	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	7.7	190
15	An inventory of atomic species in the atmosphere of WASP-121b using LIVES high-resolution spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3853-3871.	4.4	35
16	The impact of mixing treatments on cloud modelling in 3D simulations of hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 4500-4515.	4.4	19
17	Transmission spectroscopy with VLT FORS2: a featureless spectrum for the low-density transiting exoplanet WASP-88b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 2853-2870.	4.4	9
18	Ground-based Transmission Spectroscopy with VLT FORS2: Evidence for Faculae and Clouds in the Optical Spectrum of the Warm Saturn WASP-110b. <i>Astronomical Journal</i> , 2021, 162, 88.	4.7	6

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19	The Hubble PanCET Program: Transit and Eclipse Spectroscopy of the Strongly Irradiated Giant Exoplanet WASP-76b. <i>Astronomical Journal</i> , 2021, 162, 108.	4.7	23
20	The Hubble PanCET Program: A Metal-rich Atmosphere for the Inflated Hot Jupiter HAT-P-41b. <i>Astronomical Journal</i> , 2021, 161, 51.	4.7	16
21	TESS Discovery of a Super-Earth and Three Sub-Neptunes Hosted by the Bright, Sun-like Star HD 108236. <i>Astronomical Journal</i> , 2021, 161, 85.	4.7	13
22	Transmission Spectroscopy for the Warm Sub-Neptune HD 3167c: Evidence for Molecular Absorption and a Possible High-metallicity Atmosphere. <i>Astronomical Journal</i> , 2021, 161, 18.	4.7	25
23	Detecting the proposed CH <sub>4</sub> –CO <sub>2</sub> biosignature pair with the <i>James Webb Space Telescope</i> : TRAPPIST-1e and the effect of cloud/haze. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 980-991.	4.4	16
24	The Hubble PanCET program: Transit and Eclipse Spectroscopy of the Hot-Jupiter WASP-74b. <i>Astronomical Journal</i> , 2021, 162, 271.	4.7	3
25	Non-detection of TiO and VO in the atmosphere of WASP-121b using high-resolution spectroscopy. <i>Astronomy and Astrophysics</i> , 2020, 636, A117.	5.1	59
26	Abundance measurements of H <sub>2</sub> O and carbon-bearing species in the atmosphere of WASP-127b confirm its supersolar metallicity. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 500, 4042-4064.	4.4	28
27	A library of self-consistent simulated exoplanet atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4680-4704.	4.4	36
28	Ground-based transmission spectroscopy with FORS2: A featureless optical transmission spectrum and detection of H <sub>2</sub> O for the ultra-hot Jupiter WASP-103b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5155-5170.	4.4	20
29	Detection of Na, K, and H <sub>2</sub> O in the hazy atmosphere of WASP-6b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5449-5472.	4.4	30
30	WASP-52b. The effect of star-spot correction on atmospheric retrievals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 5361-5375.	4.4	30
31	Confirmation of water emission in the dayside spectrum of the ultrahot Jupiter WASP-121b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 1638-1644.	4.4	46
32	Detection of Fe in the atmosphere of the ultra-hot Jupiter WASP-121b, and a new likelihood-based approach for Doppler-resolved spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 2215-2228.	4.4	112
33	Into the UV: A Precise Transmission Spectrum of HAT-P-41b Using Hubble's WFC3/LVIS G280 Grism. <i>Astronomical Journal</i> , 2020, 159, 204.	4.7	36
34	Updated Parameters and a New Transmission Spectrum of HD 97658b. <i>Astronomical Journal</i> , 2020, 159, 239.	4.7	45
35	The Hubble Space Telescope PanCET Program: An Optical to Infrared Transmission Spectrum of HAT-P-32Ab. <i>Astronomical Journal</i> , 2020, 160, 51.	4.7	26
36	HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. <i>Astronomical Journal</i> , 2020, 160, 113.	4.7	15

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37	Into the UV: The Atmosphere of the Hot Jupiter HAT-P-41b Revealed. <i>Astrophysical Journal Letters</i> , 2020, 902, L19.	8.3	25
38	Spitzer Reveals Evidence of Molecular Absorption in the Atmosphere of the Hot Neptune LTT 9779b. <i>Astrophysical Journal Letters</i> , 2020, 903, L6.	8.3	14
39	Phase Curves of Hot Neptune LTT 9779b Suggest a High-metallicity Atmosphere. <i>Astrophysical Journal Letters</i> , 2020, 903, L7.	8.3	19
40	The Hubble Space Telescope PanCET Program: Exospheric Mg ii and Fe ii in the Near-ultraviolet Transmission Spectrum of WASP-121b Using Jitter Decorrelation. <i>Astronomical Journal</i> , 2019, 158, 91.	4.7	112
41	Overcast on Osiris: 3D radiative-hydrodynamical simulations of a cloudy hot Jupiter using the parametrized, phase-equilibrium cloud formation code EddySed. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 1332-1355.	4.4	39
42	An emission spectrum for WASP-121b measured across the 0.8–1.1 $\mu\text{m}$ wavelength range using the Hubble Space Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2222-2234.	4.4	61
43	A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18. <i>Astrophysical Journal Letters</i> , 2019, 883, L16.	8.3	42
44	The carbon-to-oxygen ratio: implications for the spectra of hydrogen-dominated exoplanet atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 486, 1123-1137.	4.4	26
45	Revisiting the potassium feature of WASP-31b at high resolution. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 606-615.	4.4	24
46	The Hubble PanCET program: an extensive search for metallic ions in the exosphere of GJ 436 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A47.	5.1	34
47	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
48	The Complete Transmission Spectrum of WASP-39b with a Precise Water Constraint. <i>Astronomical Journal</i> , 2018, 155, 29.	4.7	142
49	An Optical Transmission Spectrum for the Ultra-hot Jupiter WASP-121b Measured with the Hubble Space Telescope. <i>Astronomical Journal</i> , 2018, 156, 283.	4.7	106
50	The HST PanCET Program: Hints of Na i and Evidence of a Cloudy Atmosphere for the Inflated Hot Jupiter WASP-52b. <i>Astronomical Journal</i> , 2018, 156, 298.	4.7	30
51	The Transiting Exoplanet Community Early Release Science Program for JWST. <i>Publications of the Astronomical Society of the Pacific</i> , 2018, 130, 114402.	3.1	100
52	HAT-P-26b: A Neptune-mass exoplanet with a well-constrained heavy element abundance. <i>Science</i> , 2017, 356, 628-631.	12.6	175
53	The Very Low Albedo of WASP-12b from Spectral Eclipse Observations with Hubble. <i>Astrophysical Journal Letters</i> , 2017, 847, L2.	8.3	63
54	An ultrahot gas-giant exoplanet with a stratosphere. <i>Nature</i> , 2017, 548, 58-61.	27.8	192

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55	VLT/FORS2 comparative transmission spectroscopy II: Confirmation of a cloud deck and Rayleigh scattering in WASP-31b, but no potassium?. Monthly Notices of the Royal Astronomical Society, 2017, 467, 4591-4605.	4.4	71
56	VLT FORS2 COMPARATIVE TRANSMISSION SPECTROSCOPY: DETECTION OF Na IN THE ATMOSPHERE OF WASP-39b FROM THE GROUND. Astrophysical Journal, 2016, 832, 191.	4.5	105
57	DETECTION OF H <sub>2</sub> O AND EVIDENCE FOR TiO/VO IN AN ULTRA-HOT EXOPLANET ATMOSPHERE. Astrophysical Journal Letters, 2016, 822, L4.	8.3	181
58	REPEATABILITY AND ACCURACY OF EXOPLANET ECLIPSE DEPTHS MEASURED WITH POST-CRYOGENIC SPITZER. Astronomical Journal, 2016, 152, 44.	4.7	102
59	A continuum from clear to cloudy hot-Jupiter exoplanets without primordial water depletion. Nature, 2016, 529, 59-62.	27.8	714
60	A uniform analysis of HD 209458b Spitzer/IRAC light curves with Gaussian process models. Monthly Notices of the Royal Astronomical Society, 2015, 451, 680-694.	4.4	95
61	DISCOVERY OF SEVEN COMPANIONS TO INTERMEDIATE-MASS STARS WITH EXTREME MASS RATIOS IN THE SCORPIUS-CENTAURUS ASSOCIATION. Astrophysical Journal Letters, 2015, 806, L9.	8.3	44
62	THE DEEP BLUE COLOR OF HD 189733b: ALBEDO MEASUREMENTS WITH HUBBLE SPACE TELESCOPE/SPACE TELESCOPE IMAGING SPECTROGRAPH AT VISIBLE WAVELENGTHS. Astrophysical Journal Letters, 2013, 772, L16.	8.3	138
63	A close halo of large transparent grains around extreme red giant stars. Nature, 2012, 484, 220-222.	27.8	144
64	The influence of melt composition on the partitioning of REEs, Y, Sc, Zr and Al between forsterite and melt in the system CMAS. Geochimica Et Cosmochimica Acta, 2008, 72, 5708-5721.	3.9	73
65	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	41