

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	A continuum from clear to cloudy hot-Jupiter exoplanets without primordial water depletion. <i>Nature</i> , 2016, 529, 59-62.	27.8	714
2	An ultrahot gas-giant exoplanet with a stratosphere. <i>Nature</i> , 2017, 548, 58-61.	27.8	192
3	The TESS Objects of Interest Catalog from the TESS Prime Mission. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 39.	7.7	190
4	DETECTION OF H ₂ O AND EVIDENCE FOR TiO/VO IN AN ULTRA-HOT EXOPLANET ATMOSPHERE. <i>Astrophysical Journal Letters</i> , 2016, 822, L4.	8.3	181
5	HAT-P-26b: A Neptune-mass exoplanet with a well-constrained heavy element abundance. <i>Science</i> , 2017, 356, 628-631.	12.6	175
6	A close halo of large transparent grains around extreme red giant stars. <i>Nature</i> , 2012, 484, 220-222.	27.8	144
7	The Complete Transmission Spectrum of WASP-39b with a Precise Water Constraint. <i>Astronomical Journal</i> , 2018, 155, 29.	4.7	142
8	THE DEEP BLUE COLOR OF HD 189733b: ALBEDO MEASUREMENTS WITH <i>HUBBLE SPACE TELESCOPE</i> /SPACE TELESCOPE IMAGING SPECTROGRAPH AT VISIBLE WAVELENGTHS. <i>Astrophysical Journal Letters</i> , 2013, 772, L16.	8.3	138
9	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
10	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
11	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
12	VLT FORS2 COMPARATIVE TRANSMISSION SPECTROSCOPY: DETECTION OF Na IN THE ATMOSPHERE OF WASP-39b FROM THE GROUND. <i>Astrophysical Journal</i> , 2016, 832, 191.	4.5	105
13	REPEATABILITY AND ACCURACY OF EXOPLANET ECLIPSE DEPTHS MEASURED WITH POST-CRYOGENIC SPITZER. <i>Astronomical Journal</i> , 2016, 152, 44.	4.7	102
14	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
15	A uniform analysis of HD 209458b Spitzer/IRAC light curves with Gaussian process models. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 451, 680-694.	4.4	95
16	The influence of melt composition on the partitioning of REEs, Y, Sc, Zr and Al between forsterite and melt in the system CMAS. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 5708-5721.	3.9	73
17	VLT/FORS2 comparative transmission spectroscopy II: Confirmation of a cloud deck and Rayleigh scattering in WASP-31b, but no potassium?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 467, 4591-4605.	4.4	71
18	The Very Low Albedo of WASP-12b from Spectral Eclipse Observations with Hubble. <i>Astrophysical Journal Letters</i> , 2017, 847, L2.	8.3	63

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19	An emission spectrum for WASP-121b measured across the 0.8–1.1 μm wavelength range using the Hubble Space Telescope. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 488, 2222-2234.	4.4	61
20	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
21	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
22	Updated Parameters and a New Transmission Spectrum of HD 97658b. <i>Astronomical Journal</i> , 2020, 159, 239.	4.7	45
23	DISCOVERY OF SEVEN COMPANIONS TO INTERMEDIATE-MASS STARS WITH EXTREME MASS RATIOS IN THE SCORPIUS–CENTAURUS ASSOCIATION. <i>Astrophysical Journal Letters</i> , 2015, 806, L9.	8.3	44
24	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
25	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	41
26	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
27	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
28	A library of self-consistent simulated exoplanet atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4680-4704.	4.4	36
29	Into the UV: A Precise Transmission Spectrum of HAT-P-41b Using Hubble's WFC3/UVIS G280 Grism. <i>Astronomical Journal</i> , 2020, 159, 204.	4.7	36
30	An inventory of atomic species in the atmosphere of WASP-121b using UVES high-resolution spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 506, 3853-3871.	4.4	35
31	The <i>Hubble</i> 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
32	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
33	Detection of Na, K, and H ₂ O in the hazy atmosphere of WASP-6b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 5449-5472.	4.4	30
34	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
35	Abundance measurements of H ₂ 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
36	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

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37	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
38	Diurnal variations in the stratosphere of the ultrahot giant exoplanet WASP-121b. <i>Nature Astronomy</i> , 2022, 6, 471-479.	10.1	26
39	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
40	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
41	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
42	Into the UV: The Atmosphere of the Hot Jupiter HAT-P-41b Revealed. <i>Astrophysical Journal Letters</i> , 2020, 902, L19.	8.3	25
43	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
44	TESS Observations of the WASP-121 b Phase Curve. <i>Astronomical Journal</i> , 2021, 161, 131.	4.7	23
45	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
46	Ground-based transmission spectroscopy with FORS2: A featureless optical transmission spectrum and detection of H ₂ O for the ultra-hot Jupiter WASP-103b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5155-5170.	4.4	20
47	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
48	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
49	Phase Curves of Hot Neptune LTT 9779b Suggest a High-metallicity Atmosphere. <i>Astrophysical Journal Letters</i> , 2020, 903, L7.	8.3	19
50	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
51	Detecting the proposed CH ₄ –CO ₂ 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
52	HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. <i>Astronomical Journal</i> , 2020, 160, 113.	4.7	15
53	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
54	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

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55	Possibilities for an Aerial Biosphere in Temperate Sub Neptune-Sized Exoplanet Atmospheres. <i>Universe</i> , 2021, 7, 172.	2.5	13
56	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
57	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
58	The <i>Hubble</i> 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
59	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
60	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
61	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
62	The Emission Spectrum of the Hot Jupiter WASP-79b from HST/WFC3. <i>Astronomical Journal</i> , 2022, 163, 7.	4.7	4
63	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
64	The Hubble PanCET program: Transit and Eclipse Spectroscopy of the Hot-Jupiter WASP-74b. <i>Astronomical Journal</i> , 2021, 162, 271.	4.7	3
65	The Hubble PanCET Program: Emission Spectrum of Hot Jupiter HAT-P-41b. <i>Astronomical Journal</i> , 2022, 163, 190.	4.7	1