

A continuum from clear to cloudy hot-Jupiter exoplanet depletion

Nature

529, 59-62

DOI: [10.1038/nature16068](https://doi.org/10.1038/nature16068)

Citation Report

#	ARTICLE	IF	CITATIONS
2	VLT FORS2 COMPARATIVE TRANSMISSION SPECTROSCOPY: DETECTION OF Na IN THE ATMOSPHERE OF WASP-39b FROM THE GROUND. <i>Astrophysical Journal</i> , 2016, 832, 191.	1.6	105
3	The SOPHIE search for northern extrasolar planets. <i>Astronomy and Astrophysics</i> , 2016, 588, A145.	2.1	25
4	JUPITERâ€™S PHASE VARIATIONS FROM CASSINI: A TESTBED FOR FUTURE DIRECT-IMAGING MISSIONS. <i>Astronomical Journal</i> , 2016, 152, 209.	1.9	32
5	Potassium detection in the clear atmosphere of a hot-Jupiter. <i>Astronomy and Astrophysics</i> , 2016, 596, A47.	2.1	39
6	EXPLORING BIASES OF ATMOSPHERIC RETRIEVALS IN SIMULATED JWST TRANSMISSION SPECTRA OF HOT JUPITERS. <i>Astrophysical Journal</i> , 2016, 833, 120.	1.6	79
7	A CLOUDINESS INDEX FOR TRANSITING EXOPLANETS BASED ON THE SODIUM AND POTASSIUM LINES: TENTATIVE EVIDENCE FOR HOTTER ATMOSPHERES BEING LESS CLOUDY AT VISIBLE WAVELENGTHS. <i>Astrophysical Journal Letters</i> , 2016, 826, L16.	3.0	93
8	WASP-92b, WASP-93b and WASP-118b: three new transiting close-in giant planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 3276-3289.	1.6	39
9	Setting the volatile composition of (exo)planet-building material. <i>Astronomy and Astrophysics</i> , 2016, 595, A83.	2.1	123
10	Transmission spectroscopy of the inflated exoplanet WASP-52b, and evidence for a bright region on the stellar surface. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 2922-2931.	1.6	44
11	Influence of the water content in protoplanetary discs on planet migration and formation. <i>Astronomy and Astrophysics</i> , 2016, 590, A101.	2.1	34
12	The truth about exoplanets. <i>Nature</i> , 2016, 530, 272-274.	13.7	1
13	DETECTION OF H ₂ O AND EVIDENCE FOR TiO/VO IN AN ULTRA-HOT EXOPLANET ATMOSPHERE. <i>Astrophysical Journal Letters</i> , 2016, 822, L4.	3.0	181
14	HST HOT-JUPITER TRANSMISSION SPECTRAL SURVEY: CLEAR SKIES FOR COOL SATURN WASP-39b. <i>Astrophysical Journal</i> , 2016, 827, 19.	1.6	73
15	HATS-25B THROUGH HATS-30B: A HALFâ€™DOZEN NEW INFLATED TRANSITING HOT JUPITERS FROM THE HATSOUTH SURVEY*. <i>Astronomical Journal</i> , 2016, 152, 108.	1.9	49
16	A NEW APPROACH TO ANALYZING HST SPATIAL SCANS: THE TRANSMISSION SPECTRUM OF HD 209458 b. <i>Astrophysical Journal</i> , 2016, 832, 202.	1.6	99
17	EFFECT OF SURFACE-MANTLE WATER EXCHANGE PARAMETERIZATIONS ON EXOPLANET OCEAN DEPTHS. <i>Astrophysical Journal</i> , 2016, 832, 54.	1.6	17
18	Dynamic mineral clouds on HD 189733b. <i>Astronomy and Astrophysics</i> , 2016, 594, A48.	2.1	117
19	Transmission spectroscopy of HAT-P-32b with the LBT: confirmation of clouds/hazes in the planetary atmosphere. <i>Astronomy and Astrophysics</i> , 2016, 590, A100.	2.1	48

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23	REPEATABILITY AND ACCURACY OF EXOPLANET ECLIPSE DEPTHS MEASURED WITH POST-CRYOGENIC SPITZER. <i>Astronomical Journal</i> , 2016, 152, 44.	1.9	102
24	Transiting Exoplanet Studies and Community Targets for JWST's Early Release Science Program. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 094401.	1.0	98
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26	Exoplanets with JWST: degeneracy, systematics and how to avoid them. , 2016, , .		3
27	A combined transmission spectrum of the Earth-sized exoplanets TRAPPIST-1 b and c. <i>Nature</i> , 2016, 537, 69-72.	13.7	157
28	The origin of the excess transit absorption in the HD 189733 system: planet or star?. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 462, 1012-1028.	1.6	67
29	Contamination from a nearby star cannot explain the anomalous transmission spectrum of the ultrashort period giant planet WASP-103b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 37-44.	1.6	48
30	Broad-band spectrophotometry of HAT-P-32b: search for a scattering signature in the planetary spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 463, 604-614.	1.6	43
31	The UK Met Office global circulation model with a sophisticated radiation scheme applied to the hot Jupiter HD 209458b. <i>Astronomy and Astrophysics</i> , 2016, 595, A36.	2.1	88
32	A CHARACTERISTIC TRANSMISSION SPECTRUM DOMINATED BY H ₂ O APPLIES TO THE MAJORITY OF HST/WFC3 EXOPLANET OBSERVATIONS. <i>Astrophysical Journal</i> , 2016, 823, 109.	1.6	80
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34	An optical transmission spectrum of the giant planet WASP-36b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 459, 1393-1402.	1.6	48
35	The mineral clouds on HD209458b and HD189733b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 460, 855-883.	1.6	92
36	An optical transmission spectrum of the transiting hot Jupiter in the metal-poor WASP-98 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 461, 1053-1061.	1.6	42
37	Dynamics of atmospheres with a non-dilute condensible component. <i>Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences</i> , 2016, 472, 20160107.	1.0	35

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42	AN INFORMATION-THEORETIC APPROACH TO OPTIMIZE JWST OBSERVATIONS AND RETRIEVALS OF TRANSITING EXOPLANET ATMOSPHERES. <i>Astrophysical Journal</i> , 2017, 835, 96.	1.6	53
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44	A Theory of Exoplanet Transits with Light Scattering. <i>Astrophysical Journal</i> , 2017, 836, 236.	1.6	65
45	Searching for Rapid Orbital Decay of WASP-18b. <i>Astrophysical Journal Letters</i> , 2017, 836, L24.	3.0	59
46	Information Content Analysis for Selection of Optimal JWST Observing Modes for Transiting Exoplanet Atmospheres. <i>Astronomical Journal</i> , 2017, 153, 151.	1.9	74
47	Challenges to Constraining Exoplanet Masses via Transmission Spectroscopy. <i>Astrophysical Journal Letters</i> , 2017, 836, L5.	3.0	47
48	KELT-16b: A Highly Irradiated, Ultra-short Period Hot Jupiter Nearing Tidal Disruption. <i>Astronomical Journal</i> , 2017, 153, 97.	1.9	58
49	<i>SPITZER</i>PHASE CURVE CONSTRAINTS FOR WASP-43b AT 3.6 AND 4.5μm. <i>Astronomical Journal</i> , 2017, 153, 68.	1.9	157
50	Metal Enrichment Leads to Low Atmospheric C/O Ratios in Transiting Giant Exoplanets. <i>Astrophysical Journal Letters</i> , 2017, 838, L9.	3.0	95
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55	Spectral Resolution-linked Bias in Transit Spectroscopy of Extrasolar Planets. <i>Astrophysical Journal Letters</i> , 2017, 841, L3.	3.0	40
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58	A Statistical Comparative Planetology Approach to the Hunt for Habitable Exoplanets and Life Beyond the Solar System. <i>Astrophysical Journal Letters</i> , 2017, 841, L24.	3.0	80
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60	A Search for Water in a Super-Earth Atmosphere: High-resolution Optical Spectroscopy of 55Cncr i. <i>Astronomical Journal</i> , 2017, 153, 268.	1.9	74
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62	A Framework to Combine Low- and High-resolution Spectroscopy for the Atmospheres of Transiting Exoplanets. <i>Astrophysical Journal Letters</i> , 2017, 839, L2.	3.0	108
63	Illusion and reality in the atmospheres of exoplanets. <i>Journal of Geophysical Research E: Planets</i> , 2017, 122, 53-75.	1.5	79
64	Orbital alignment and star-spot properties in the WASP-52 planetary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 465, 843-857.	1.6	64
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67	Dust in brown dwarfs and extrasolar planets. <i>Astronomy and Astrophysics</i> , 2017, 603, A123.	2.1	21
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69	Statistical Analysis of Hubble/WFC3 Transit Spectroscopy of Extrasolar Planets. <i>Astrophysical Journal Letters</i> , 2017, 847, L22.	3.0	88
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83	Progress and Prospect of Exoplanetary Atmosphere and Habitable Exoplanet Researches. Chinese Astronomy and Astrophysics, 2017, 41, 530-548.	0.1	1
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106	HD189733b: The Transiting Hot Jupiter that Revealed a Hazy and Cloudy Atmosphere. , 2017, , 1-14.		0
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118	The GTC exoplanet transit spectroscopy survey. Astronomy and Astrophysics, 2017, 600, L11.	2.1	42
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120	Signs of strong Na and K absorption in the transmission spectrum of WASP-103b. Astronomy and Astrophysics, 2017, 606, A18.	2.1	41
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131	Atmospheric reconnaissance of the habitable-zone Earth-sized planets orbiting TRAPPIST-1. <i>Nature Astronomy</i> , 2018, 2, 214-219.	4.2	179
132	The Transit Light Source Effect: False Spectral Features and Incorrect Densities for M-dwarf Transiting Planets. <i>Astrophysical Journal</i> , 2018, 853, 122.	1.6	224
133	A Comparison of Simulated JWST Observations Derived from Equilibrium and Non-equilibrium Chemistry Models of Giant Exoplanets. <i>Astrophysical Journal</i> , 2018, 853, 138.	1.6	13
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137	High-precision multiwavelength eclipse photometry of the ultra-hot gas giant exoplanet WASP-103b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 2334-2351.	1.6	46
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150	Exoplanet Atmosphere Measurements from Direct Imaging. , 2018, , 2107-2135.		3
151	Radiative Transfer for Exoplanet Atmospheres. , 2018, , 2137-2152.		1
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153	HD189733b: The Transiting Hot Jupiter That Revealed a Hazy and Cloudy Atmosphere. , 2018, , 2571-2584.		0
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189	Timing. , 0 , 103-118.		0
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