

Neale P Gibson

List of Publications by Year in descending order

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65
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6,031
citations

101543

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docs citations

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times ranked

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#	ARTICLE	IF	CITATIONS
1	Relative abundance constraints from high-resolution optical transmission spectroscopy of WASP-121b, and a fast model-filtering technique for accelerating retrievals. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 4618-4638.	4.4	26
2	Constraints on <i>TESS</i> albedos for five hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 513, 3444-3457.	4.4	3
3	Dayside Fe i Emission, Day-Night Brightness Contrast and Phase Offset of the Exoplanet WASP-33b. <i>Astronomical Journal</i> , 2022, 163, 248.	4.7	20
4	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
5	Is TiO emission present in the ultra-hot Jupiter WASP-33b? A reassessment using the improved ExoMol TOTO line list. <i>Astronomy and Astrophysics</i> , 2021, 645, A90.	5.1	24
6	First Detection of Hydroxyl Radical Emission from an Exoplanet Atmosphere: High-dispersion Characterization of WASP-33b Using Subaru/IRD. <i>Astrophysical Journal Letters</i> , 2021, 910, L9.	8.3	36
7	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
8	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
9	A New Window into Planet Formation and Migration: Refractory-to-Volatile Elemental Ratios in Ultra-hot Jupiters. <i>Astrophysical Journal</i> , 2021, 914, 12.	4.5	43
10	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
11	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
12	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
13	Searching for thermal inversion agents in the transmission spectrum of KELT-20b/MASCARA-2b: detection of neutral iron and ionised calcium H&K lines. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 496, 504-522.	4.4	53
14	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
15	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
16	Detection of Fe i 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
17	Detection of Fe i Emission in the Dayside Spectrum of WASP-33b*. <i>Astrophysical Journal Letters</i> , 2020, 898, L31.	8.3	43
18	Doppler tomography as a tool for detecting exoplanet atmospheres. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 1991-2006.	4.4	14

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19	Storms or systematics? The changing secondary eclipse depth of WASP-12b. Monthly Notices of the Royal Astronomical Society, 2019, 486, 2397-2406.	4.4	16
20	Revisiting the potassium feature of WASP-31b at high resolution. Monthly Notices of the Royal Astronomical Society, 2019, 482, 606-615.	4.4	24
21	A Ground-based Near-ultraviolet Secondary Eclipse Observation of KELT-9b. Astrophysical Journal Letters, 2018, 869, L25.	8.3	11
22	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i>. Publications of the Astronomical Society of the Pacific, 2018, 130, 114402.	3.1	100
23	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4720-4737.	4.4	18
24	An absolute sodium abundance for a cloud-free "hot Saturn" exoplanet. Nature, 2018, 557, 526-529.	27.8	114
25	Detection of titanium oxide in the atmosphere of a hot Jupiter. Nature, 2017, 549, 238-241.	27.8	129
26	The Very Low Albedo of WASP-12b from Spectral Eclipse Observations with Hubble. Astrophysical Journal Letters, 2017, 847, L2.	8.3	63
27	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
28	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
29	DETECTION OF H ₂ O AND EVIDENCE FOR TiO/VO IN AN ULTRA-HOT EXOPLANET ATMOSPHERE. Astrophysical Journal Letters, 2016, 822, L4.	8.3	181
30	Transiting Exoplanet Studies and Community Targets for <i>JWST</i>'s Early Release Science Program. Publications of the Astronomical Society of the Pacific, 2016, 128, 094401.	3.1	98
31	A continuum from clear to cloudy hot-Jupiter exoplanets without primordial water depletion. Nature, 2016, 529, 59-62.	27.8	714
32	Regaining the FORS: making optical ground-based transmission spectroscopy of exoplanets with VLT+FORS2 possible again. Proceedings of SPIE, 2016, , .	0.8	2
33	A uniform analysis of HDâ209458b Spitzer/IRAC light curves with Gaussian process models. Monthly Notices of the Royal Astronomical Society, 2015, 451, 680-694.	4.4	95
34	HST hot-Jupiter transmission spectral survey: detection of potassium in WASP-31b along with a cloud deck and Rayleigh scattering. Monthly Notices of the Royal Astronomical Society, 2015, 446, 2428-2443.	4.4	172
35	Exoplanet transmission spectroscopy using KMOS. Monthly Notices of the Royal Astronomical Society, 2015, 453, 3876-3886.	4.4	23
36	Reliable inference of light curve parameters in the presence of systematics. Proceedings of the International Astronomical Union, 2015, 11, 202-204.	0.0	0

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37	HST hot-Jupiter transmission spectral survey: haze in the atmosphere of WASP-6b. Monthly Notices of the Royal Astronomical Society, 2015, 447, 463-478.	4.4	129
38	CLOUDS ON THE HOT JUPITER HD189733b: CONSTRAINTS FROM THE REFLECTION SPECTRUM. Astrophysical Journal, 2014, 786, 154.	4.5	74
39	Hubble Space Telescope hot Jupiter transmission spectral survey: a detection of Na and strong optical absorption in HAT-P-1b. Monthly Notices of the Royal Astronomical Society, 2014, 437, 46-66.	4.4	151
40	Reliable inference of exoplanet light-curve parameters using deterministic and stochastic systematics models. Monthly Notices of the Royal Astronomical Society, 2014, 445, 3401-3414.	4.4	63
41	THE DEEP BLUE COLOR OF HD 189733b: ALBEDO MEASUREMENTS WITH <i>HUBBLE SPACE TELESCOPE</i> /SPACE TELESCOPE IMAGING SPECTROGRAPH AT VISIBLE WAVELENGTHS. Astrophysical Journal Letters, 2013, 772, L16.	8.3	138
42	An HST optical-to-near-IR transmission spectrum of the hot Jupiter WASP-19b: detection of atmospheric water and likely absence of TiO. Monthly Notices of the Royal Astronomical Society, 2013, 434, 3252-3274.	4.4	167
43	HST hot Jupiter transmission spectral survey: detection of water in HAT-P-1b from WFC3 near-IR spatial scan observations. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3481-3493.	4.4	103
44	A Gemini ground-based transmission spectrum of WASP-29b: a featureless spectrum from 515 to 720Ånm. Monthly Notices of the Royal Astronomical Society, 2013, 428, 3680-3692.	4.4	119
45	The optical transmission spectrum of the hot Jupiter HAT-P-32b: clouds explain the absence of broad spectral features?. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2974-2988.	4.4	109
46	The prevalence of dust on the exoplanet HD 189733b from Hubble and Spitzer observations. Monthly Notices of the Royal Astronomical Society, 2013, 432, 2917-2944.	4.4	334
47	HST hot-Jupiter transmission spectral survey: evidence for aerosols and lack of TiO in the atmosphere of WASP-12b. Monthly Notices of the Royal Astronomical Society, 2013, 436, 2956-2973.	4.4	168
48	Transit timing variations in WASP-10b induced by stellar activity. Monthly Notices of the Royal Astronomical Society, 2013, 430, 3032-3047.	4.4	98
49	<i>z</i> -BAND GROUND-BASED DETECTION OF THE SECONDARY ECLIPSE OF WASP-19b. Astrophysical Journal, Supplement Series, 2012, 201, 36.	7.7	49
50	High-precision transit observations of the exoplanet WASP-13b with the RISE instrument. Monthly Notices of the Royal Astronomical Society, 2012, 419, 1248-1253.	4.4	43
51	A Gaussian process framework for modelling instrumental systematics: application to transmission spectroscopy. Monthly Notices of the Royal Astronomical Society, 2012, 419, 2683-2694.	4.4	251
52	Probing the haze in the atmosphere of HD 189733b with Hubble Space Telescope/WFC3 transmission spectroscopy. Monthly Notices of the Royal Astronomical Society, 2012, 422, 753-760.	4.4	124
53	A new look at NICMOS transmission spectroscopy of HD 189733, GJ-436 and XO-1: no conclusive evidence for molecular features. Monthly Notices of the Royal Astronomical Society, 2011, 411, 2199-2213.	4.4	142
54	Hubble Space Telescope transmission spectroscopy of the exoplanet HD 189733b: high-altitude atmospheric haze in the optical and near-ultraviolet with STIS. Monthly Notices of the Royal Astronomical Society, 2011, 416, 1443-1455.	4.4	335

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55	A lower mass for the exoplanet WASP-21b. Monthly Notices of the Royal Astronomical Society, 2011, 416, 2593-2599.	4.4	42
56	A new look at NICMOS transmission spectroscopy: No conclusive evidence for molecular features. Proceedings of the International Astronomical Union, 2010, 6, 478-479.	0.0	1
57	A transit timing analysis of seven RISE light curves of the exoplanet system HAT-P-3. Monthly Notices of the Royal Astronomical Society, 2010, 401, 1917-1923.	4.4	47
58	Tight constraints on the existence of additional planets around HD 189733. Monthly Notices of the Royal Astronomical Society, 2010, 403, 2111-2119.	4.4	36
59	A TRANSIT TIMING ANALYSIS OF NINE RISE LIGHT CURVES OF THE EXOPLANET SYSTEM TrES-3. Astrophysical Journal, 2009, 700, 1078-1085.	4.5	92
60	WASP-12b: THE HOTTEST TRANSITING EXTRASOLAR PLANET YET DISCOVERED. Astrophysical Journal, 2009, 693, 1920-1928.	4.5	314
61	WASP-10b: a 3M _J , gas-giant planet transiting a late-type K star. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1585-1590.	4.4	93
62	WASP-14b: 7.3M _J transiting planet in an eccentric orbit. Monthly Notices of the Royal Astronomical Society, 2009, 392, 1532-1538.	4.4	105
63	WASP-3b: a strongly irradiated transiting gas-giant planet. Monthly Notices of the Royal Astronomical Society, 2008, 385, 1576-1584.	4.4	205
64	Searching for transit timing variations in transiting exoplanet systems. Proceedings of the International Astronomical Union, 2008, 4, 446-449.	0.0	9
65	Time resolved spectroscopy of dust and gas from extrasolar planetesimals orbiting WDÂ1145+017 â~... Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	5