

# Louise D Nielsen

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

2,144  
citations

236925

25  
h-index

265206

42  
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71  
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71  
docs citations

71  
times ranked

1864  
citing authors

#	ARTICLE	IF	CITATIONS
1	The HD 137496 system: A dense, hot super-Mercury and a cold Jupiter. <i>Astronomy and Astrophysics</i> , 2022, 657, A68.	5.1	11
2	A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with <i>CHEOPS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 511, 1043-1071.	4.4	30
3	One year of AU Mic with HARPS II. Stellar activity and star-planet interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5067-5084.	4.4	28
4	One year of AU Mic with HARPS II. Measuring the masses of the two transiting planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3060-3078.	4.4	29
5	The young HD 73583 (TOI-560) planetary system: two 10-M $\text{J}$ mini-Neptunes transiting a 500-Myr-old, bright, and active K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1606-1627.	4.4	25
6	NGTS-14Ab: a Neptune-sized transiting planet in the desert. <i>Astronomy and Astrophysics</i> , 2021, 646, A183.	5.1	11
7	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194.	4.7	22
8	NGTS 15b, 16b, 17b, and 18b: four hot Jupiters from the Next-Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 6018-6032.	4.4	5
9	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. <i>Astronomy and Astrophysics</i> , 2021, 647, A180.	5.1	3
10	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , 2021, 161, 235.	4.7	20
11	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 2741-2752.	4.4	12
12	TOI-220b: a warm sub-Neptune discovered by <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3361-3379.	4.4	6
13	Warm Jupiters in TESS Full-frame Images: A Catalog and Observed Eccentricity Distribution for Year 1. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 6.	7.7	18
14	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 507, 2782-2803.	4.4	19
15	Populating the brown dwarf and stellar boundary: Five stars with transiting companions near the hydrogen-burning mass limit. <i>Astronomy and Astrophysics</i> , 2021, 652, A127.	5.1	18
16	TESS and HARPS reveal two sub-Neptunes around TOI 1062. <i>Astronomy and Astrophysics</i> , 2021, 653, A105.	5.1	3
17	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021, 161, 82.	4.7	8
18	A hot mini-Neptune in the radius valley orbiting solar analogue HD 110113. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 4842-4857.	4.4	10

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19	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1761-1769.	4.4	30
20	HD 213885b: a transiting 1-d-period super-Earth with an Earth-like composition around a bright ( $V - I = 7.9$ ) star unveiled by TESS. Monthly Notices of the Royal Astronomical Society, 2020, 491, 2982-2999.	4.4	38
21	Three short-period Jupiters from TESS. Astronomy and Astrophysics, 2020, 639, A76.	5.1	17
22	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53-day orbit. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3139-3148.	4.4	6
23	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. Astronomical Journal, 2020, 160, 53.	4.7	39
24	An eclipsing M-dwarf close to the hydrogen burning limit from NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 498, 3115-3124.	4.4	10
25	Mass-loss rate and local thermodynamic state of the KELT-9 b thermosphere from the hydrogen Balmer series. Astronomy and Astrophysics, 2020, 638, A87.	5.1	64
26	A long-period ( $P = 61.8$ d) M5V dwarf eclipsing a Sun-like star from TESS and NGTS. Monthly Notices of the Royal Astronomical Society, 2020, 495, 2713-2719.	4.4	14
27	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	10.1	43
28	NGTS J214358.5+380102 – NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. Monthly Notices of the Royal Astronomical Society, 2020, 494, 3950-3961.	4.4	6
29	A remnant planetary core in the hot-Neptune desert. Nature, 2020, 583, 39-42.	27.8	73
30	NGTS-10b: the shortest period hot Jupiter yet discovered. Monthly Notices of the Royal Astronomical Society, 2020, 493, 126-140.	4.4	18
31	Mass determinations of the three mini-Neptunes transiting TOI-125. Monthly Notices of the Royal Astronomical Society, 2020, 492, 5399-5412.	4.4	28
32	Masses for the seven planets in K2-32 and K2-233. Astronomy and Astrophysics, 2020, 640, A48.	5.1	18
33	Transits of Known Planets Orbiting a Naked-eye Star. Astronomical Journal, 2020, 160, 129.	4.7	22
34	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. Astronomical Journal, 2020, 160, 153.	4.7	27
35	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. Astronomical Journal, 2020, 160, 235.	4.7	23
36	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. Astrophysical Journal Letters, 2020, 898, L11.	8.3	30

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37	Resolving period aliases for TESS monotransits recovered during the extended mission. Monthly Notices of the Royal Astronomical Society, 2020, 500, 5088-5097.	4.4	9
38	SuperWASP dispositions and false positive catalogue. Monthly Notices of the Royal Astronomical Society, 2019, 488, 4905-4915.	4.4	6
39	A spectral survey of an ultra-hot Jupiter. Astronomy and Astrophysics, 2019, 627, A165.	5.1	145
40	Classifying exoplanet candidates with convolutional neural networks: application to the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 488, 5232-5250.	4.4	20
41	NGTS-7Ab: an ultrashort-period brown dwarf transiting a tidally locked and active M dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5146-5164.	4.4	35
42	WASP-169, WASP-171, WASP-175, and WASP-182: three hot Jupiters and one bloated sub-Saturn mass planet discovered by WASP-South. Monthly Notices of the Royal Astronomical Society, 2019, 489, 2478-2487.	4.4	9
43	Homogeneously derived transit timings for 17 exoplanets and reassessed TTV trends for WASP-12 and WASP-4. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1294-1312.	4.4	30
44	WASP-180Ab: Doppler tomography of a hot Jupiter orbiting the primary star in a visual binary. Monthly Notices of the Royal Astronomical Society, 2019, 490, 2467-2474.	4.4	11
45	TOI-150b and TOI-163b: two transiting hot Jupiters, one eccentric and one inflated, revealed by TESS near and at the edge of the JWST CVZ. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1094-1110.	4.4	16
46	Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS. Astronomical Journal, 2019, 158, 141.	4.7	83
47	WASP-South hot Jupiters: WASP-178b, WASP-184b, WASP-185b, and WASP-192b. Monthly Notices of the Royal Astronomical Society, 2019, 490, 1479-1487.	4.4	14
48	WASP-166b: a bloated super-Neptune transiting a V star. Monthly Notices of the Royal Astronomical Society, 2019, 488, 3067-3075.	4.4	23
49	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. Monthly Notices of the Royal Astronomical Society, 2019, 489, 4125-4134.	4.4	14
50	TESS Discovery of an Ultra-short-period Planet around the Nearby M Dwarf LHS 3844. Astrophysical Journal Letters, 2019, 871, L24.	8.3	108
51	NGTS-4b: A sub-Neptune transiting in the desert. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5094-5103.	4.4	47
52	Three hot-Jupiters on the upper edge of the mass-radius distribution: WASP-177, WASP-181, and WASP-183. Monthly Notices of the Royal Astronomical Society, 2019, 485, 5790-5799.	4.4	14
53	HD 219666 b: a hot-Neptune from TESS Sector 1. Astronomy and Astrophysics, 2019, 623, A165.	5.1	29
54	A Jovian planet in an eccentric 11.5 day orbit around HD 1397 discovered by TESS. Astronomy and Astrophysics, 2019, 623, A100.	5.1	36

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55	WASP-190b: Tomographic Discovery of a Transiting Hot Jupiter. <i>Astronomical Journal</i> , 2019, 157, 141.	4.7	6
56	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019, 158, 177.	4.7	34
57	The CORALIE survey for southern extrasolar planets. <i>Astronomy and Astrophysics</i> , 2019, 625, A71.	5.1	27
58	NGTS-5b: a highly inflated planet offering insights into the sub-Jovian desert. <i>Astronomy and Astrophysics</i> , 2019, 625, A142.	5.1	12
59	Exoplanet characterisation in the longest known resonant chain: the K2-138 system seen by HARPS. <i>Astronomy and Astrophysics</i> , 2019, 631, A90.	5.1	27
60	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , 2019, 625, A16.	5.1	33
61	New transiting hot Jupiters discovered by WASP-South, Euler/CORALIE, and TRAPPIST-South. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1379-1391.	4.4	43
62	Discovery of Three New Transiting Hot Jupiters: WASP-161 b, WASP-163 b, and WASP-170 b. <i>Astronomical Journal</i> , 2019, 157, 43.	4.7	32
63	The Next Generation Transit Survey (NGTS). <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 4476-4493.	4.4	189
64	K2-265 b: a transiting rocky super-Earth. <i>Astronomy and Astrophysics</i> , 2018, 620, A77.	5.1	17
65	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 4960-4970.	4.4	16
66	A low-mass eclipsing binary within the fully convective zone from the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 481, 1897-1907.	4.4	10
67	Discovery of WASP-174b: Doppler tomography of a near-grazing transit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 480, 5307-5313.	4.4	14
68	PandExo: A Community Tool for Transiting Exoplanet Science with JWST & HST. <i>Publications of the Astronomical Society of the Pacific</i> , 2017, 129, 064501.	3.1	230
69	The JWST/NIRSpec exoplanet exposure time calculator. <i>Proceedings of SPIE</i> , 2016, , .	0.8	8
70	NGTS-8b and NGTS-9b: two non-inflated hot-Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	4
71	NGTS and WASP photometric recovery of a single-transit candidate from TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	9