

# Tom Louden

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3628316/publications.pdf>

Version: 2024-02-01

36  
papers

1,849  
citations

236925

25  
h-index

361022

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all docs

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37  
times ranked

1856  
citing authors

#	ARTICLE	IF	CITATIONS
1	LRG-BEASTS: Sodium absorption and Rayleigh scattering in the atmosphere of WASP-94A using NTT/EFOSC2. Monthly Notices of the Royal Astronomical Society, 2022, 510, 4857-4871.	4.4	14
2	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. Astronomical Journal, 2021, 162, 34.	4.7	35
3	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
4	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	10.1	43
5	LRG-BEASTS: ground-based detection of sodium and a steep optical slope in the atmosphere of the highly inflated hot-saturn WASP-21b. Monthly Notices of the Royal Astronomical Society, 2020, 497, 5182-5202.	4.4	14
6	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
7	NGTS-10b: the shortest period hot Jupiter yet discovered. Monthly Notices of the Royal Astronomical Society, 2020, 493, 126-140.	4.4	18
8	MOVES III. Simultaneous X-ray and ultraviolet observations unveiling the variable environment of the hot Jupiter HD 189733b. Monthly Notices of the Royal Astronomical Society, 2020, 493, 559-579.	4.4	20
9	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
10	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. Astronomical Journal, 2019, 158, 144.	4.7	39
11	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
12	NGTS-4b: A sub-Neptune transiting in the desert. Monthly Notices of the Royal Astronomical Society, 2019, 486, 5094-5103.	4.4	47
13	Transit Signatures of Inhomogeneous Clouds on Hot Jupiters: Insights from Microphysical Cloud Modeling. Astrophysical Journal, 2019, 887, 170.	4.5	64
14	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2019, 482, 5553-5566.	4.4	33
15	NGTS-1b: a hot Jupiter transiting an M-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4467-4475.	4.4	91
16	The Next Generation Transit Survey (NGTS). Monthly Notices of the Royal Astronomical Society, 2018, 475, 4476-4493.	4.4	189
17	An Ultra-short Period Rocky Super-Earth with a Secondary Eclipse and a Neptune-like Companion around K2-141. Astronomical Journal, 2018, 155, 107.	4.7	103
18	An Earth-sized exoplanet with a Mercury-like composition. Nature Astronomy, 2018, 2, 393-400.	10.1	75

#	ARTICLE	IF	CITATIONS
19	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
20	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4225-4237.	4.4	23
21	NGTS-2b: an inflated hot-Jupiter transiting a bright F-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 481, 4960-4970.	4.4	16
22	A low-mass eclipsing binary within the fully convective zone from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2018, 481, 1897-1907.	4.4	10
23	High-energy environment of super-Earth 55 Cancri e. Astronomy and Astrophysics, 2018, 615, A117.	5.1	28
24	SPIDERMAN: an open-source code to model phase curves and secondary eclipses. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2613-2627.	4.4	33
25	LRG-BEASTS III: ground-based transmission spectrum of the gas giant orbiting the cool dwarf WASP-80. Monthly Notices of the Royal Astronomical Society, 2018, 474, 876-885.	4.4	34
26	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
27	Global Climate and Atmospheric Composition of the Ultra-hot Jupiter WASP-103b from HST and Spitzer Phase Curve Observations. Astronomical Journal, 2018, 156, 17.	4.7	156
28	Centroid vetting of transiting planet candidates from the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2017, 472, 295-307.	4.4	46
29	Strong XUV irradiation of the Earth-sized exoplanets orbiting the ultracool dwarf TRAPPIST-1. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 465, L74-L78.	3.3	125
30	Rayleigh scattering in the transmission spectrum of HAT-P-18b. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3907-3916.	4.4	47
31	MOVES â€” I. The evolving magnetic field of the planet-hosting star HD189733. Monthly Notices of the Royal Astronomical Society, 2017, 471, 1246-1257.	4.4	54
32	Reconstructing the high-energy irradiation of the evaporating hot Jupiter HD 209458b. Monthly Notices of the Royal Astronomical Society, 2017, 464, 2396-2402.	4.4	31
33	A precise optical transmission spectrum of the inflated exoplanet WASP-52b. Monthly Notices of the Royal Astronomical Society, 2017, 470, 742-754.	4.4	39
34	Transmission spectroscopy of the inflated exoplanet WASP-52b, and evidence for a bright region on the stellar surface. Monthly Notices of the Royal Astronomical Society, 2016, 463, 2922-2931.	4.4	44
35	SPATIALLY RESOLVED EASTWARD WINDS AND ROTATION OF HD 189733b. Astrophysical Journal Letters, 2015, 814, L24.	8.3	154
36	The XUV environments of exoplanets from Jupiter-size to super-Earth. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	21