

Tom Louden

List of Publications by Year in descending order

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36
papers

1,849
citations

236925

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361022

35
g-index

37
all docs

37
docs citations

37
times ranked

1856
citing authors

#	ARTICLE	IF	CITATIONS
1	The Next Generation Transit Survey (NGTS). Monthly Notices of the Royal Astronomical Society, 2018, 475, 4476-4493.	4.4	189
2	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
3	SPATIALLY RESOLVED EASTWARD WINDS AND ROTATION OF HD 189733b. Astrophysical Journal Letters, 2015, 814, L24.	8.3	154
4	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
5	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
6	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
7	NGTS-1b: a hot Jupiter transiting an M-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 475, 4467-4475.	4.4	91
8	An Earth-sized exoplanet with a Mercury-like composition. Nature Astronomy, 2018, 2, 393-400.	10.1	75
9	Transit Signatures of Inhomogeneous Clouds on Hot Jupiters: Insights from Microphysical Cloud Modeling. Astrophysical Journal, 2019, 887, 170.	4.5	64
10	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
11	Rayleigh scattering in the transmission spectrum of HAT-P-18b. Monthly Notices of the Royal Astronomical Society, 2017, 468, 3907-3916.	4.4	47
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	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
14	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
15	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	10.1	43
16	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. Astronomical Journal, 2019, 158, 144.	4.7	39
17	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
18	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

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19	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
20	LRG-BEASTS III: ground-based transmission spectrum of the gas giant orbiting the cool dwarf WASP-80. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 474, 876-885.	4.4	34
21	SPIDERMAN: an open-source code to model phase curves and secondary eclipses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 477, 2613-2627.	4.4	33
22	Detection of a giant flare displaying quasi-periodic pulsations from a pre-main-sequence M star by the Next Generation Transit Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 5553-5566.	4.4	33
23	Reconstructing the high-energy irradiation of the evaporating hot Jupiter HD 209458b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 2396-2402.	4.4	31
24	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1761-1769.	4.4	30
25	High-energy environment of super-Earth 55 Cancri e. <i>Astronomy and Astrophysics</i> , 2018, 615, A117.	5.1	28
26	Automatic vetting of planet candidates from ground-based surveys: machine learning with NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4225-4237.	4.4	23
27	The XUV environments of exoplanets from Jupiter-size to super-Earth. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	21
28	MOVES III. Simultaneous X-ray and ultraviolet observations unveiling the variable environment of the hot Jupiter HD 189733b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 559-579.	4.4	20
29	Unmasking the hidden NGTS-3Ab: a hot Jupiter in an unresolved binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 478, 4720-4737.	4.4	18
30	NGTS-10b: the shortest period hot Jupiter yet discovered. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 126-140.	4.4	18
31	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
32	NGTS-6b: an ultrashort period hot-Jupiter orbiting an old K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 4125-4134.	4.4	14
33	LRG-BEASTS: ground-based detection of sodium and a steep optical slope in the atmosphere of the highly inflated hot-saturn WASP-21b. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 5182-5202.	4.4	14
34	LRG-BEASTS: Sodium absorption and Rayleigh scattering in the atmosphere of WASP-94A b using NTT/EFOSC2. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 4857-4871.	4.4	14
35	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
36	NGTS J214358.5âˆ’380102 â€” NGTS discovery of the most eccentric known eclipsing M-dwarf binary system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 3950-3961.	4.4	6