Matthew R Burleigh

List of Publications by Year
in descending order

33 papers	2,016 citations	516710 16 h-index	434195 31 g-index
34 all docs	34 docs citations	34 times ranked	2677 citing authors

#	Article	IF	Citations
1	A pair of sub-Neptunes transiting the bright K-dwarf TOI-1064 characterized with CHEOPS. Monthly Notices of the Royal Astronomical Society, 2022, 511, 1043-1071.	4.4	30
2	TIC-320687387 B: a long-period eclipsing M-dwarf close to the hydrogen burning limit. Monthly Notices of the Royal Astronomical Society, 2022, 513, 1785-1793.	4.4	4
3	Periodic stellar variability from almost a million NGTS light curves. Monthly Notices of the Royal Astronomical Society, 2022, 513, 420-438.	4.4	6
4	Transit timings variations in the three-planet system: TOI-270. Monthly Notices of the Royal Astronomical Society, 2022, 510, 5464-5485.	4.4	6
5	NGTS-13b: a hot 4.8 Jupiter-mass planet transiting a subgiant star. Astronomy and Astrophysics, 2021, 647, A180.	5.1	3
6	A transit timing variation observed for the long-period extremely low-density exoplanet HIPâ€‰41378â€‰f. Monthly Notices of the Royal Astronomical Society: Letters, 2021, 504, L45-L50.	3.3	15
7	Stellar flares detected with the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society, 2021, 504, 3246-3264.	4.4	21
8	NGTS-19b: a high-mass transiting brown dwarf in a 17-d eccentric orbit. Monthly Notices of the Royal Astronomical Society, 2021, 505, 2741-2752.	4.4	12
9	TOI-431/HIP 26013: a super-Earth and a sub-Neptune transiting a bright, early K dwarf, with a third RV planet. Monthly Notices of the Royal Astronomical Society, 2021, 507, 2782-2803.	4.4	19
10	Recurring Planetary Debris Transits and Circumstellar Gas around White Dwarf ZTF J0328â€“1219. Astrophysical Journal, 2021, 917, 41.	4.5	24
11	NGTS clusters survey â€“ III. A low-mass eclipsing binary in the Blanco 1 open cluster spanning the fully convective boundary. Monthly Notices of the Royal Astronomical Society, 2021, 507, 5991-6011.	4.4	8
12	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
13	NGTS clusters survey â€“ I. Rotation in the young benchmark open cluster Blanco 1. Monthly Notices of the Royal Astronomical Society, 2020, 492, 1008-1024.	4.4	35
14	NGTS-12b: A sub-Saturn mass transiting exoplanet in a 7.53â€‰day orbit. Monthly Notices of the Royal Astronomical Society, 2020, 499, 3139-3148.	4.4	6
15	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
16	NGTS clusters survey â€“ II. White-light flares from the youngest stars in Orion. Monthly Notices of the Royal Astronomical Society, 2020, 497, 809-817.	4.4	14
17	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
18	An ultrahot Neptune in the Neptune desert. Nature Astronomy, 2020, 4, 1148-1157.	10.1	43

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19	Simultaneous TESS and NGTS transit observations of WASP-166â€‰b. Monthly Notices of the Royal Astronomical Society, 2020, 494, 5872-5881.	4.4	30
20	NGTS J214358.5â˜'380102 â€“ 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
21	Shallow transit followâ€up from N<scp>extâ€Generation Transit Survey</scp>: Simultaneous observations of <scp>HD 106315</scp> with 11 identical telescopes. Astronomische Nachrichten, 2020, 341, 273-282.	1.2	17
22	A remnant planetary core in the hot-Neptune desert. Nature, 2020, 583, 39-42.	27.8	73
23	NGTS-10b: the shortest period hot Jupiter yet discovered. Monthly Notices of the Royal Astronomical Society, 2020, 493, 126-140.	4.4	18
24	Statistical Signatures of Nanoflare Activity. II. A Nanoflare Explanation for Periodic Brightenings in Flare Stars Observed by NGTS. Astrophysical Journal, 2020, 904, 109.	4.5	4
25	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
26	Detection of a giant white-light flare on an L2.5 dwarf with the Next Generation Transit Survey. Monthly Notices of the Royal Astronomical Society: Letters, 2019, 485, L136-L140.	3.3	15
27	A planetesimal orbiting within the debris disc around a white dwarf star. Science, 2019, 364, 66-69.	12.6	131
28	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
29	The Next Generation Transit Survey (NGTS). Monthly Notices of the Royal Astronomical Society, 2018, 475, 4476-4493.	4.4	189
30	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
31	Seven temperate terrestrial planets around the nearby ultracool dwarf star TRAPPIST-1. Nature, 2017, 542, 456-460.	27.8	1,144
32	NGTS and WASP photometric recovery of a single-transit candidate from TESS. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	9
33	Scintillation-limited photometry with the 20-cm NGTS telescopes at Paranal Observatory. Monthly Notices of the Royal Astronomical Society, 0, , .	4.4	1