Timothy D Morton

List of Publications by Year
in descending order

51 papers	10,991 citations	81900 39 h-index	175258 52 g-index
52 all docs	52 docs citations	52 times ranked	5452 citing authors

#	Article	IF	Citations
1	Transiting Exoplanet Survey Satellite. Journal of Astronomical Telescopes, Instruments, and Systems, 2014, 1, 014003.	1.8	2,300
2	The California-Kepler Survey. III. A Gap in the Radius Distribution of Small Planets*. Astronomical Journal, 2017, 154, 109.	4.7	889
3	PLANET OCCURRENCE WITHIN 0.25 AU OF SOLAR-TYPE STARS FROM KEPLER. Astrophysical Journal, Supplement Series, 2012, 201, 15.	7.7	871
4	Transiting Exoplanet Survey Satellite (TESS). Proceedings of SPIE, 2014, , .	0.8	566
5	MASSES, RADII, AND ORBITS OF SMALL KEPLER PLANETS: THE TRANSITION FROM GASEOUS TO ROCKY PLANETS. Astrophysical Journal, Supplement Series, 2014, 210, 20.	7.7	418
6	THE TRANSITING EXOPLANET SURVEY SATELLITE: SIMULATIONS OF PLANET DETECTIONS AND ASTROPHYSICAL FALSE POSITIVES. Astrophysical Journal, 2015, 809, 77.	4.5	415
7	FALSE POSITIVE PROBABILITIES FOR ALL KEPLER OBJECTS OF INTEREST: 1284 NEWLY VALIDATED PLANETS AND 428 LIKELY FALSE POSITIVES. Astrophysical Journal, 2016, 822, 86.	4.5	366
8	Planetary Candidates Observed by Kepler . VIII. A Fully Automated Catalog with Measured Completeness and Reliability Based on Data Release 25. Astrophysical Journal, Supplement Series, 2018, 235, 38.	7.7	316
9	TERRESTRIAL PLANET OCCURRENCE RATES FOR THEKEPLERGK DWARF SAMPLE. Astrophysical Journal, 2015, 809, 8.	4.5	302
10	The California-Kepler Survey. I. High-resolution Spectroscopy of 1305 Stars Hosting Kepler Transiting Planets[*]. Astronomical Journal, 2017, 154, 107.	4.7	249
11	The California-Kepler Survey. IV. Metal-rich Stars Host a Greater Diversity of Planets. Astronomical Journal, 2018, 155, 89.	4.7	249
12	FRIENDS OF HOT JUPITERS. I. A RADIAL VELOCITY SEARCH FOR MASSIVE, LONG-PERIOD COMPANIONS TO CLOSE-IN GAS GIANT PLANETS. Astrophysical Journal, 2014, 785, 126.	4.5	245
13	EXOPLANET POPULATION INFERENCE AND THE ABUNDANCE OF EARTH ANALOGS FROM NOISY, INCOMPLETE CATALOGS. Astrophysical Journal, 2014, 795, 64.	4.5	241
14	The California-Kepler Survey. V. Peas in a Pod: Planets in a Kepler Multi-planet System Are Similar in Size and Regularly Spaced[*]. Astronomical Journal, 2018, 155, 48.	4.7	239
15	ON THE LOW FALSE POSITIVE PROBABILITIES OFKEPLERPLANET CANDIDATES. Astrophysical Journal, 2011, 738, 170.	4.5	223
16	PLANETARY CANDIDATES OBSERVED BY KEPLER IV: PLANET SAMPLE FROM Q1-Q8 (22 MONTHS). Astrophysical Journal, Supplement Series, 2014, 210, 19.	7.7	222
17	AN EFFICIENT AUTOMATED VALIDATION PROCEDURE FOR EXOPLANET TRANSIT CANDIDATES. Astrophysical Journal, 2012, 761, 6.	4.5	220
18	CHARACTERIZING THE COOL KOIs. III. KOI 961: A SMALL STAR WITH LARGE PROPER MOTION AND THREE SMALL PLANETS. Astrophysical Journal, 2012, 747, 144.	4.5	209

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19	STELLAR AND PLANETARY PROPERTIES OFK2CAMPAIGN 1 CANDIDATES AND VALIDATION OF 17 PLANETS, INCLUDING A PLANET RECEIVING EARTH-LIKE INSOLATION. Astrophysical Journal, 2015, 809, 25.	4.5	150
20	The California-Kepler Survey. II. Precise Physical Properties of 2025 Kepler Planets and Their Host Stars[*]. Astronomical Journal, 2017, 154, 108.	4.7	149
21	275 Candidates and 149 Validated Planets Orbiting Bright Stars in K2 Campaigns 0â€“10. Astronomical Journal, 2018, 155, 136.	4.7	141
22	Inferring probabilistic stellar rotation periods using Gaussian processes. Monthly Notices of the Royal Astronomical Society, 2018, 474, 2094-2108.	4.4	140
23	FRIENDS OF HOT JUPITERS. II. NO CORRESPONDENCE BETWEEN HOT-JUPITER SPIN-ORBIT MISALIGNMENT AND THE INCIDENCE OF DIRECTLY IMAGED STELLAR COMPANIONS. Astrophysical Journal, 2015, 800, 138.	4.5	137
24	CHARACTERIZING THE COOL KOIs. IV. KEPLER-32 AS A PROTOTYPE FOR THE FORMATION OF COMPACT PLANETARY SYSTEMS THROUGHOUT THE GALAXY. Astrophysical Journal, 2013, 764, 105.	4.5	132
25	THE RADIUS DISTRIBUTION OF PLANETS AROUND COOL STARS. Astrophysical Journal, 2014, 791, 10.	4.5	132
26	A SYSTEMATIC SEARCH FOR TRANSITING PLANETS IN THEK2DATA. Astrophysical Journal, 2015, 806, 215.	4.5	123
27	FRIENDS OF HOT JUPITERS. IV. STELLAR COMPANIONS BEYOND 50 au MIGHT FACILITATE GIANT PLANET FORMATION, BUT MOST ARE UNLIKELY TO CAUSE KOZAIâ€“LIDOV MIGRATION. Astrophysical Journal, 2016, 827, 8.	4.5	123
28	OBLIQUITIES OFKEPLERSTARS: COMPARISON OF SINGLE- AND MULTIPLE-TRANSIT SYSTEMS. Astrophysical Journal, 2014, 796, 47.	4.5	114
29	THE POPULATION OF LONG-PERIOD TRANSITING EXOPLANETS. Astronomical Journal, 2016, 152, 206.	4.7	96
30	The Occurrence of Rocky Habitable-zone Planets around Solar-like Stars from Kepler Data. Astronomical Journal, 2021, 161, 36.	4.7	96
31	Toward Precise Stellar Ages: Combining Isochrone Fitting with Empirical Gyrochronology. Astronomical Journal, 2019, 158, 173.	4.7	88
32	A HOT JUPITER ORBITING THE 1.7 M _{â˜‰} SUBGIANT HD 102956. Astrophysical Journal Letters, 2010, 721, L153-L157.	8.3	84
33	TESS Spots a Compact System of Super-Earths around the Naked-eye Star HR 858. Astrophysical Journal Letters, 2019, 881, L19.	8.3	80
34	ROBO-AO KEPLER PLANETARY CANDIDATE SURVEY. II. ADAPTIVE OPTICS IMAGING OF 969 KEPLER EXOPLANET CANDIDATE HOST STARS. Astronomical Journal, 2016, 152, 18.	4.7	78
35	ROBO-AO KEPLER PLANETARY CANDIDATE SURVEY. III. ADAPTIVE OPTICS IMAGING OF 1629 KEPLER EXOPLANET CANDIDATE HOST STARS. Astronomical Journal, 2017, 153, 66.	4.7	75
36	THE PHOTOECCENTRIC EFFECT AND PROTO-HOT JUPITERS. II. KOI-1474.01, A CANDIDATE ECCENTRIC PLANET PERTURBED BY AN UNSEEN COMPANION. Astrophysical Journal, 2012, 761, 163.	4.5	62

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37	Constraints on the Obliquities of Kepler Planet-hosting Stars. Astronomical Journal, 2017, 154, 270.	4.7	61
38	FRIENDS OF HOT JUPITERS. III. AN INFRARED SPECTROSCOPIC SEARCH FOR LOW-MASS STELLAR COMPANIONS. Astrophysical Journal, 2015, 814, 148.	4.5	53
39	TWO SMALL TEMPERATE PLANETS TRANSITING NEARBY M DWARFS IN K2 CAMPAIGNS 0 AND 1* â€ â€¡. Astrophysical Journal, 2016, 818, 87.	4.5	47
40	Three Statistically Validated K2 Transiting Warm Jupiter Exoplanets Confirmed as Low-mass Stars. Astrophysical Journal Letters, 2017, 847, L18.	8.3	46
41	RETIRED A STARS: THE EFFECT OF STELLAR EVOLUTION ON THE MASS ESTIMATES OF SUBGIANTS. Astrophysical Journal, 2013, 763, 53.	4.5	40
42	Robo-AO Kepler Survey. IV. The Effect of Nearby Stars on 3857 Planetary Candidate Systems. Astronomical Journal, 2018, 155, 161.	4.7	39
43	Near-resonance in a System of Sub-Neptunes from TESS. Astronomical Journal, 2019, 158, 177.	4.7	34
44	TOI-677b: A Warm Jupiter (P = 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. Astronomical Journal, 2020, 159, 145.	4.7	32
45	KELT-25 b and KELT-26 b: A Hot Jupiter and a Substellar Companion Transiting Young A Stars Observed by TESS*. Astronomical Journal, 2020, 160, 111.	4.7	26
46	Discovery of a Disrupting Open Cluster Far into the Milky Way Halo: A Recent Star Formation Event in the Leading Arm of the Magellanic Stream?. Astrophysical Journal, 2019, 887, 19.	4.5	20
47	stardate: Combining dating methods for better stellar ages. Journal of Open Source Software, 2019, 4, 1469.	4.6	12
48	First Radial Velocity Results From the MINiature Exoplanet Radial Velocity Array (MINERVA). Publications of the Astronomical Society of the Pacific, 2019, 131, 115001.	3.1	10
49	The GALAH Survey: using galactic archaeology to refine our knowledge of TESS target stars. Monthly Notices of the Royal Astronomical Society, 2021, 504, 4968-4989.	4.4	9
50	Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2â€“18. Astronomical Journal, 2022, 163, 244.	4.7	8
51	Qatar Exoplanet Survey: Qatar-7bâ€”A Very Hot Jupiter Orbiting a Metal-rich F-Star. Astronomical Journal, 2019, 157, 74.	4.7	2