

# Elisabeth C Matthews

## List of Publications by Citations

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37  
papers

598  
citations

16  
h-index

23  
g-index

40  
ext. papers

865  
ext. citations

6.6  
avg, IF

2.81  
L-index

#	Paper	IF	Citations
37	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , <b>2019</b> , 158, 32	4.9	56
36	A super-Earth and two sub-Neptunes transiting the nearby and quiet M dwarf TOI-270. <i>Nature Astronomy</i> , <b>2019</b> , 3, 1099-1108	12.1	52
35	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L7	7.9	50
34	The unseen planets of double belt debris disc systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , <b>2016</b> , 462, L116-L120	4.3	47
33	An Eccentric Massive Jupiter Orbiting a Subgiant on a 9.5-day Period Discovered in the Transiting Exoplanet Survey Satellite Full Frame Images. <i>Astronomical Journal</i> , <b>2019</b> , 157, 191	4.9	37
32	A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , <b>2020</b> , 583, 39-42	50.4	37
31	EARLY RESULTS FROM VLT SPHERE: LONG-SLIT SPECTROSCOPY OF 2MASS 01220439 B, A YOUNG COMPANION NEAR THE DEUTERIUM BURNING LIMIT. <i>Astrophysical Journal Letters</i> , <b>2015</b> , 805, L10	7.9	36
30	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , <b>2020</b> , 160, 3	4.9	35
29	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , <b>2019</b> , 158, 177	4.9	27
28	A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 883, L16	7.9	24
27	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 625, A16	5.1	24
26	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission. <i>Astronomical Journal</i> , <b>2020</b> , 159, 151	4.9	19
25	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , <b>2020</b> , 160, 22	4.9	19
24	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 892, L7	7.9	18
23	GJ 1252 b: A 1.2 R <sub>J</sub> Planet Transiting an M3 Dwarf at 20.4 pc. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 890, L7	7.9	18
22	The First Scattered-light Image of the Debris Disk around the ScoCen Target HD 129590. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 843, L12	7.9	16
21	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. <i>Astronomical Journal</i> , <b>2020</b> , 160, 153	4.9	12

20	The TESS-Keck Survey. II. An Ultra-short-period Rocky Planet and Its Siblings Transiting the Galactic Thick-disk Star TOI-561. <i>Astronomical Journal</i> , <b>2021</b> , 161, 56	4.9	11
19	TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS. <i>Astronomical Journal</i> , <b>2020</b> , 160, 76	4.9	8
18	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. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 1094-1110	4.3	7
17	Constraining the presence of giant planets in two-belt debris disc systems with VLT/SPHERE direct imaging and dynamical arguments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 2757-2783	4.3	6
16	First Resolved Scattered-light Images of Four Debris Disks in Scorpius-Centaurus with the Gemini Planet Imager. <i>Astronomical Journal</i> , <b>2020</b> , 159, 31	4.9	5
15	HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. <i>Astronomical Journal</i> , <b>2020</b> , 160, 113	4.9	5
14	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , <b>2021</b> , 161, 194	4.9	5
13	TOI-2076 and TOI-1807: Two Young, Comoving Planetary Systems within 50 pc Identified by TESS that are Ideal Candidates for Further Follow Up. <i>Astronomical Journal</i> , <b>2021</b> , 162, 54	4.9	4
12	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , <b>2021</b> , 162, 87	4.9	4
11	TKS X: Confirmation of TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes. <i>Astronomical Journal</i> , <b>2021</b> , 162, 62	4.9	3
10	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> , <b>2021</b> , 507, 2782-2803	4.3	3
9	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , <b>2021</b> , 161, 82	4.9	3
8	Discovery of an Edge-on Circumstellar Debris Disk around BD+45°598: A Newly Identified Member of the Pictoris Moving Group. <i>Astrophysical Journal</i> , <b>2021</b> , 912, 115	4.7	2
7	Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , <b>2022</b> , 163, 99	4.9	1
6	Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle. <i>Astronomical Journal</i> , <b>2022</b> , 163, 144	4.9	1
5	Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2-8. <i>Astronomical Journal</i> , <b>2022</b> , 163, 254	4.9	1
4	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. <i>Astronomical Journal</i> , <b>2022</b> , 163, 269	4.9	1
3	Three New Late-type Stellar Companions to Very Dusty WISE Debris Disks Identified with SPHERE Imaging. <i>Astronomical Journal</i> , <b>2021</b> , 161, 78	4.9	0

- 2 A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. *Astronomical Journal*, **2022**, 163, 133 4.9 ○
- 1 The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. *Astronomical Journal*, **2022**, 163, 151 4.9 ○