

Elisabeth C Matthews

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Validation of 13 Hot and Potentially Terrestrial TESS Planets. <i>Astronomical Journal</i> , 2022 , 163, 99	4.9	1
36	A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. <i>Astronomical Journal</i> , 2022 , 163, 133	4.9	0
35	The LHS 1678 System: Two Earth-sized Transiting Planets and an Astrometric Companion Orbiting an M Dwarf Near the Convective Boundary at 20 pc. <i>Astronomical Journal</i> , 2022 , 163, 151	4.9	0
34	Complex Modulation of Rapidly Rotating Young M Dwarfs: Adding Pieces to the Puzzle. <i>Astronomical Journal</i> , 2022 , 163, 144	4.9	1
33	Scaling K2. V. Statistical Validation of 60 New Exoplanets From K2 Campaigns 2013-2018. <i>Astronomical Journal</i> , 2022 , 163, 254	4.9	1
32	A Close-in Puffy Neptune with Hidden Friends: The Enigma of TOI 620. <i>Astronomical Journal</i> , 2022 , 163, 269	4.9	1
31	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021 , 161, 194	4.9	5
30	Discovery of an Edge-on Circumstellar Debris Disk around BD+45°598: A Newly Identified Member of the β Pictoris Moving Group. <i>Astrophysical Journal</i> , 2021 , 912, 115	4.7	2
29	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> , 2021 , 161, 56	4.9	11
28	Three New Late-type Stellar Companions to Very Dusty WISE Debris Disks Identified with SPHERE Imaging. <i>Astronomical Journal</i> , 2021 , 161, 78	4.9	0
27	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> , 2021 , 162, 54	4.9	4
26	TKS X: Confirmation of TOI-1444b and a Comparative Analysis of the Ultra-short-period Planets with Hot Neptunes. <i>Astronomical Journal</i> , 2021 , 162, 62	4.9	3
25	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> , 2021 , 507, 2782-2803	4.3	3
24	TOI-1231 b: A Temperate, Neptune-sized Planet Transiting the Nearby M3 Dwarf NLTT 24399. <i>Astronomical Journal</i> , 2021 , 162, 87	4.9	4
23	TOI-954 b and K2-329 b: Short-period Saturn-mass Planets that Test whether Irradiation Leads to Inflation. <i>Astronomical Journal</i> , 2021 , 161, 82	4.9	3
22	TOI-503: The First Known Brown-dwarf Am-star Binary from the TESS Mission. <i>Astronomical Journal</i> , 2020 , 159, 151	4.9	19
21	TOI-1235 b: A Keystone Super-Earth for Testing Radius Valley Emergence Models around Early M Dwarfs. <i>Astronomical Journal</i> , 2020 , 160, 22	4.9	19

20	TESS Spots a Hot Jupiter with an Inner Transiting Neptune. <i>Astrophysical Journal Letters</i> , 2020 , 892, L7	7.9	18
19	A remnant planetary core in the hot-Neptune desert. <i>Nature</i> , 2020 , 583, 39-42	50.4	37
18	A Pair of TESS Planets Spanning the Radius Valley around the Nearby Mid-M Dwarf LTT 3780. <i>Astronomical Journal</i> , 2020 , 160, 3	4.9	35
17	First Resolved Scattered-light Images of Four Debris Disks in Scorpius-Centaurus with the Gemini Planet Imager. <i>Astronomical Journal</i> , 2020 , 159, 31	4.9	5
16	TIC 278956474: Two Close Binaries in One Young Quadruple System Identified by TESS. <i>Astronomical Journal</i> , 2020 , 160, 76	4.9	8
15	HD 191939: Three Sub-Neptunes Transiting a Sun-like Star Only 54 pc Away. <i>Astronomical Journal</i> , 2020 , 160, 113	4.9	5
14	TOI-824 b: A New Planet on the Lower Edge of the Hot Neptune Desert. <i>Astronomical Journal</i> , 2020 , 160, 153	4.9	12
13	GJ 1252 b: A 1.2 R _J Planet Transiting an M3 Dwarf at 20.4 pc. <i>Astrophysical Journal Letters</i> , 2020 , 890, L7	7.9	18
12	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> , 2019 , 157, 191	4.9	37
11	TESS Delivers Its First Earth-sized Planet and a Warm Sub-Neptune. <i>Astrophysical Journal Letters</i> , 2019 , 875, L7	7.9	50
10	A super-Earth and two sub-Neptunes transiting the nearby and quiet M dwarf TOI-270. <i>Nature Astronomy</i> , 2019 , 3, 1099-1108	12.1	52
9	The L 98-59 System: Three Transiting, Terrestrial-size Planets Orbiting a Nearby M Dwarf. <i>Astronomical Journal</i> , 2019 , 158, 32	4.9	56
8	A Super-Earth and Sub-Neptune Transiting the Late-type M Dwarf LP 791-18. <i>Astrophysical Journal Letters</i> , 2019 , 883, L16	7.9	24
7	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> , 2019 , 490, 1094-1110	4.3	7
6	Near-resonance in a System of Sub-Neptunes from TESS. <i>Astronomical Journal</i> , 2019 , 158, 177	4.9	27
5	HD 2685 b: a hot Jupiter orbiting an early F-type star detected by TESS. <i>Astronomy and Astrophysics</i> , 2019 , 625, A16	5.1	24
4	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> , 2018 , 480, 2757-2783	7.3	6
3	The First Scattered-light Image of the Debris Disk around the ScoCen Target HD 129590. <i>Astrophysical Journal Letters</i> , 2017 , 843, L12	7.9	16

2	The unseen planets of double belt debris disc systems. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2016 , 462, L116-L120	4.3	47
1	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> , 2015 , 805, L10	7.9	36