

# Oscar Barragan

## List of Publications by Citations

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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.

60  
papers

1,110  
citations

23  
h-index

31  
g-index

63  
ext. papers

1,494  
ext. citations

5.1  
avg, IF

3.43  
L-index

#	Paper	IF	Citations
60	Exoplanets around Low-mass Stars Unveiled by K2. <i>Astronomical Journal</i> , <b>2018</b> , 155, 127	4.9	67
59	TESS's first planet. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, L10	5.1	63
58	The Transiting Multi-planet System HD 3167: A 5.7M $\oplus$ Super-Earth and an 8.3M $\oplus$ Mini-Neptune. <i>Astronomical Journal</i> , <b>2017</b> , 154, 123	4.9	57
57	The Discovery and Mass Measurement of a New Ultra-short-period Planet: K2-131b. <i>Astronomical Journal</i> , <b>2017</b> , 154, 226	4.9	57
56	Three Super-Earths Transiting the Nearby Star GJ 9827. <i>Astronomical Journal</i> , <b>2017</b> , 154, 266	4.9	48
55	K2-137 b: an Earth-sized planet in a 4.3-h orbit around an M-dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 474, 5523-5533	4.3	43
54	K2-106, a system containing a metal-rich planet and a planet of lower density. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 608, A93	5.1	40
53	44 Validated Planets from K2 Campaign 10. <i>Astronomical Journal</i> , <b>2018</b> , 156, 78	4.9	39
52	K2-98b: A 32M $\oplus$ NEPTUNE-SIZE PLANET IN A 10 DAY ORBIT TRANSITING AN F8 STAR. <i>Astronomical Journal</i> , <b>2016</b> , 152, 193	4.9	37
51	K2-99: a subgiant hosting a transiting warm Jupiter in an eccentric orbit and a long-period companion. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 464, 2708-2716	4.3	36
50	TWO HOT JUPITERS FROM K2 CAMPAIGN 4. <i>Astronomical Journal</i> , <b>2016</b> , 151, 171	4.9	36
49	Three Small Planets Transiting a Hyades Star. <i>Astronomical Journal</i> , <b>2018</b> , 155, 115	4.9	33
48	planeti: a fast and powerful software suite for multiplanet radial velocity and transit fitting. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 1017-1030	4.3	33
47	EPIC 219388192b: An Inhabitant of the Brown Dwarf Desert in the Ruprecht 147 Open Cluster. <i>Astronomical Journal</i> , <b>2017</b> , 153, 131	4.9	31
46	K2-141 b. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A95	5.1	31
45	K2-155: A Bright Metal-poor M Dwarf with Three Transiting Super-Earths. <i>Astronomical Journal</i> , <b>2018</b> , 155, 124	4.9	29
44	K2-60b and K2-107b. A Sub-Jovian and a Jovian Planet from the K2 Mission. <i>Astronomical Journal</i> , <b>2017</b> , 153, 130	4.9	28

43	K2-111 b is a short period super-Earth transiting a metal poor, evolved old star. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 604, A16	5.1	28
42	Planet Hunters TESS I: TOI 813, a subgiant hosting a transiting Saturn-sized planet on an 84-day orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 750-763	4.3	27
41	K2-139 b: a low-mass warm Jupiter on a 29-d orbit transiting an active K0 V star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 1765-1776	4.3	26
40	Radial velocity confirmation of K2-100b: a young, highly irradiated, and low-density transiting hot Neptune. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 698-708	4.3	25
39	HD 219666 b: a hot-Neptune from TESS Sector 1. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A165	5.1	23
38	K2-264: a transiting multiplanet system in the Praesepe open cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 8-18	4.3	23
37	The Transiting Multi-planet System HD15337: Two Nearly Equal-mass Planets Straddling the Radius Gap. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 876, L24	7.9	21
36	Super-Earth of 8 M <sub>J</sub> in a 2.2-day orbit around the K5V star K2-216. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A33	5.1	20
35	HD 89345: a bright oscillating star hosting a transiting warm Saturn-sized planet observed by K2. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 4866-4880	4.3	19
34	Mass determination of the 1:3:5 near-resonant planets transiting GJ 9827 (K2-135). <i>Astronomy and Astrophysics</i> , <b>2018</b> , 618, A116	5.1	17
33	K2-260 b: a hot Jupiter transiting an F star, and K2-261 b: a warm Saturn around a bright G star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 596-612	4.3	16
32	Greening of the brown-dwarf desert. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 628, A64	5.1	14
31	CHEOPS observations of the HD 108236 planetary system: a fifth planet, improved ephemerides, and planetary radii. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 646, A157	5.1	14
30	Masses and compositions of three small planets orbiting the nearby M dwarf L231-32 (TOI-270) and the M dwarf radius valley. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	14
29	Planet Hunters TESS II: findings from the first two years of TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 4669-4690	4.3	11
28	Detection and Doppler monitoring of K2-285 (EPIC 246471491), a system of four transiting planets smaller than Neptune. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A41	5.1	10
27	The Multiplanet System TOI-421. <i>Astronomical Journal</i> , <b>2020</b> , 160, 114	4.9	10
26	K2-140b and K2-180b [Characterization of a hot Jupiter and a mini-Neptune from the K2 mission. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 1807-1823	4.3	10

25	K2-290: a warm Jupiter and a mini-Neptune in a triple-star system. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 3522-3536	4.3	9
24	Mass determination of K2-19b and K2-19c from radial velocities and transit timing variations. <i>Astronomy and Astrophysics</i> , <b>2017</b> , 601, A128	5.1	8
23	Detection and characterization of an ultra-dense sub-Neptunian planet orbiting the Sun-like star K2-292. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A114	5.1	8
22	It Takes Two Planets in Resonance to Tango around K2-146. <i>Astronomical Journal</i> , <b>2020</b> , 159, 120	4.9	8
21	A planetary system with two transiting mini-Neptunes near the radius valley transition around the bright M dwarf TOI-776. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 645, A41	5.1	7
20	The TOI-763 system: sub-Neptunes orbiting a Sun-like star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 4503-4517	4.3	5
19	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. <i>Science</i> , <b>2021</b> , 374, 1271-1275	33.3	4
18	Three planets transiting the evolved star EPIC 249893012: a hot 8.8-M <sub>J</sub> super-Earth and two warm 14.7 and 10.2-M <sub>J</sub> sub-Neptunes. <i>Astronomy and Astrophysics</i> , <b>2020</b> , 636, A89	5.1	4
17	A Ghost in the Toast: TESS Background Light Produces a False Transit Across 56 Ceti. <i>Research Notes of the AAS</i> , <b>2019</b> , 3, 145	0.8	3
16	planet 11. A multidimensional Gaussian process approach to analysing spectroscopic time-series. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
15	Hot planets around cool stars 11 two short-period mini-Neptunes transiting the late K-dwarf TOI-1260. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4684-4701	4.3	3
14	Escaping Helium from TOI 560.01, a Young Mini-Neptune. <i>Astronomical Journal</i> , <b>2022</b> , 163, 67	4.9	2
13	New HARPS and FEROS Observations of GJ 1046. <i>Research Notes of the AAS</i> , <b>2018</b> , 2, 180	0.8	2
12	TOI-220 b: a warm sub-Neptune discovered by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3361-3379	4.3	2
11	K2-280 b 11 a low density warm sub-Saturn around a mildly evolved star. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 4423-4435	4.3	1
10	TESS Re-observes the Young Multi-planet System TOI-451: Refined Ephemeris and Activity Evolution. <i>Research Notes of the AAS</i> , <b>2021</b> , 5, 51	0.8	1
9	Detecting general relativistic orbital precession in transiting hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 1567-1574	4.3	1
8	Planet Hunters TESS III: two transiting planets around the bright G dwarf HD 152843. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 1827-1840	4.3	1

- 7 One year of AU Mic with HARPS II. Measuring the masses of the two transiting planets. *Monthly Notices of the Royal Astronomical Society*, **2022**, 512, 3060-3078 4.3 ○
- 6 The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. *Astronomical Journal*, **2022**, 163, 171 4.9 ○
- 5 Transit timings variations in the three-planet system: TOI-270. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 5464-5485 4.3 ○
- 4 K2-99 revisited: a non-inflated warm Jupiter, and a temperate giant planet on a 522-d orbit around a subgiant. *Monthly Notices of the Royal Astronomical Society*, **2022**, 510, 5035-5049 4.3 ○
- 3 A Radial Velocity Study of the Planetary System of  $\epsilon$ Mensae: Improved Planet Parameters for  $\epsilon$ Mensae c and a Third Planet on a 125 Day Orbit. *Astronomical Journal*, **2022**, 163, 223 4.9 ○
- 2 About the modelling of the SED for the inner boundary of protoplanetary discs at the lower stellar mass regime. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 5361-5372 4.3
- 1 Dynamical Architecture of the HD 107148 Planetary System. *Astronomical Journal*, **2022**, 163, 198 4.9