

# Oscar Barragan

## 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.

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 | Escaping Helium from TOI 560.01, a Young Mini-Neptune. <i>Astronomical Journal</i> , <b>2022</b> , 163, 67   | 4.9  | 2         |
| 59 | One year of AU Mic with HARPS II. Measuring the masses of the two transiting planets. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 512, 3060-3078  | 4.3  | 0         |
| 58 | The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , <b>2022</b> , 163, 171   | 4.9  | 0         |
| 57 | Dynamical Architecture of the HD 107148 Planetary System. <i>Astronomical Journal</i> , <b>2022</b> , 163, 198   | 4.9  |           |
| 56 | Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 510, 5464-5485  | 4.3  | 0         |
| 55 | K2-99 revisited: a non-inflated warm Jupiter, and a temperate giant planet on a 522-d orbit around a subgiant. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 510, 5035-5049               | 4.3  | 0         |
| 54 | 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. <i>Astronomical Journal</i> , <b>2022</b> , 163, 223 | 4.9  | 0         |
| 53 | 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         |
| 52 | 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        |
| 51 | 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         |
| 50 | 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         |
| 49 | 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         |
| 48 | Hot planets around cool stars II: 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         |
| 47 | 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         |
| 46 | About the modelling of the SED for the inner boundary of protoplanetary discs at the lower stellar mass regime. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 5361-5372              | 4.3  |           |
| 45 | 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        |
| 44 | 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         |

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|----|---|-----|----|
| 43 | K2-280 b is 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  |
| 42 | It Takes Two Planets in Resonance to Tango around K2-146. <i>Astronomical Journal</i> , <b>2020</b> , 159, 120  | 4.9 | 8  |
| 41 | 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 |
| 40 | The Multiplanet System TOI-421. <i>Astronomical Journal</i> , <b>2020</b> , 160, 114  | 4.9 | 10 |
| 39 | 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  |
| 38 | 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  |
| 37 | 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 |
| 36 | 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 |
| 35 | HD 219666 b: a hot-Neptune from TESS Sector 1. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 623, A165  | 5.1 | 23 |
| 34 | 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  |
| 33 | 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 |
| 32 | 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  |
| 31 | A Ghost in the Toast: TESS Background Light Produces a False "transit" Across "Ceti. <i>Research Notes of the AAS</i> , <b>2019</b> , 3, 145  | 0.8 | 3  |
| 30 | Greening of the brown-dwarf desert. <i>Astronomy and Astrophysics</i> , <b>2019</b> , 628, A64  | 5.1 | 14 |
| 29 | 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 |
| 28 | 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 |
| 27 | pyaneti: 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 |
| 26 | Three Small Planets Transiting a Hyades Star. <i>Astronomical Journal</i> , <b>2018</b> , 155, 115  | 4.9 | 33 |

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|----|---|-----|----|
| 25 | Exoplanets around Low-mass Stars Unveiled by K2. <i>Astronomical Journal</i> , <b>2018</b> , 155, 127   | 4.9 | 67 |
| 24 | 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 |
| 23 | 44 Validated Planets from K2 Campaign 10. <i>Astronomical Journal</i> , <b>2018</b> , 156, 78   | 4.9 | 39 |
| 22 | 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 |
| 21 | New HARPS and FEROS Observations of GJ 1046. <i>Research Notes of the AAS</i> , <b>2018</b> , 2, 180  | 0.8 | 2  |
| 20 | K2-141 b. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 612, A95  | 5.1 | 31 |
| 19 | TESS first planet. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 619, L10   | 5.1 | 63 |
| 18 | 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 |
| 17 | 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 |
| 16 | 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 |
| 15 | 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 |
| 14 | 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 |
| 13 | 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  |
| 12 | 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 |
| 11 | 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 |
| 10 | K2-111 b – 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 |
| 9  | Three Super-Earths Transiting the Nearby Star GJ 9827. <i>Astronomical Journal</i> , <b>2017</b> , 154, 266   | 4.9 | 48 |
| 8  | The Transiting Multi-planet System HD 3167: A 5.7 M <sub>J</sub> Super-Earth and an 8.3 M <sub>J</sub> Mini-Neptune. <i>Astronomical Journal</i> , <b>2017</b> , 154, 123                 | 4.9 | 57 |

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|---|--|-----|----|
| 7 | 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 |
| 6 | 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 |
| 5 | 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 |
| 4 | TWO HOT JUPITERS FROM K2 CAMPAIGN 4. <i>Astronomical Journal</i> , <b>2016</b> , 151, 171  | 4.9 | 36 |
| 3 | K2-98b: A 32M <sub>J</sub> NEPTUNE-SIZE PLANET IN A 10 DAY ORBIT TRANSITING AN F8 STAR. <i>Astronomical Journal</i> , <b>2016</b> , 152, 193   | 4.9 | 37 |
| 2 | pyaneti III. A multidimensional Gaussian process approach to analysing spectroscopic time-series. <i>Monthly Notices of the Royal Astronomical Society</i> ,                                   | 4.3 | 3  |
| 1 | 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 |