

Oscar Barragan

List of Publications by Year in descending order

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Version: 2024-02-01

63
papers

1,818
citations

218677

26
h-index

345221

36
g-index

63
all docs

63
docs citations

63
times ranked

1520
citing authors

#	ARTICLE	IF	CITATIONS
1	TESS's first planet. <i>Astronomy and Astrophysics</i> , 2018, 619, L10.	5.1	86
2	Exoplanets around Low-mass Stars Unveiled by K2. <i>Astronomical Journal</i> , 2018, 155, 127.	4.7	85
3	The Discovery and Mass Measurement of a New Ultra-short-period Planet: K2-131b. <i>Astronomical Journal</i> , 2017, 154, 226.	4.7	74
4	The Transiting Multi-planet System HD 3167: A 5.7 M _J Super-Earth and an 8.3 M _J Mini-Neptune. <i>Astronomical Journal</i> , 2017, 154, 123.	4.7	71
5	Three Super-Earths Transiting the Nearby Star GJ 9827. <i>Astronomical Journal</i> , 2017, 154, 266.	4.7	63
6	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> , 2018, 474, 5523-5533.	4.4	56
7	<sc>pyaneti</sc>: a fast and powerful software suite for multiplanet radial velocity and transit fitting. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1017-1030.	4.4	55
8	K2-106, a system containing a metal-rich planet and a planet of lower density. <i>Astronomy and Astrophysics</i> , 2017, 608, A93.	5.1	51
9	44 Validated Planets from K2 Campaign 10. <i>Astronomical Journal</i> , 2018, 156, 78.	4.7	50
10	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> , 2017, 464, 2708-2716.	4.4	47
11	K2-141 b. <i>Astronomy and Astrophysics</i> , 2018, 612, A95.	5.1	47
12	CHEOPS observations of the HD 108236 planetary system: a fifth planet, improved ephemerides, and planetary radii. <i>Astronomy and Astrophysics</i> , 2021, 646, A157.	5.1	47
13	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> , 2019, 490, 698-708.	4.4	46
14	K2-98b: A 32 M _J NEPTUNE-SIZE PLANET IN A 10 DAY ORBIT TRANSITING AN F8 STAR. <i>Astronomical Journal</i> , 2016, 152, 193.	4.7	43
15	TWO HOT JUPITERS FROM K2 CAMPAIGN 4. <i>Astronomical Journal</i> , 2016, 151, 171.	4.7	42
16	Three Small Planets Transiting a Hyades Star. <i>Astronomical Journal</i> , 2018, 155, 115.	4.7	41
17	Planet Hunters TESS I: TOI-13, a subgiant hosting a transiting Saturn-sized planet on an 84-day orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 494, 750-763.	4.4	41
18	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> , 0, , .	4.4	41

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19	A multidimensional Gaussian process approach to analysing spectroscopic time-series. Monthly Notices of the Royal Astronomical Society, 2021, 509, 866-883.	4.4	39
20	K2-155: A Bright Metal-poor M Dwarf with Three Transiting Super-Earths. Astronomical Journal, 2018, 155, 124.	4.7	38
21	K2-60b and K2-107b. A Sub-Jovian and a Jovian Planet from the K2 Mission. Astronomical Journal, 2017, 153, 130.	4.7	36
22	K2-111 b: a short period super-Earth transiting a metal poor, evolved old star. Astronomy and Astrophysics, 2017, 604, A16.	5.1	36
23	EPIC 219388192: An Inhabitant of the Brown Dwarf Desert in the Ruprecht 147 Open Cluster. Astronomical Journal, 2017, 153, 131.	4.7	35
24	K2-139 b: a low-mass warm Jupiter on a 29-d orbit transiting an active K0 star. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1765-1776.	4.4	35
25	A planetary system with two transiting mini-Neptunes near the radius valley transition around the bright M dwarf TOI-776. Astronomy and Astrophysics, 2021, 645, A41.	5.1	33
26	Escaping Helium from TOI 560.01, a Young Mini-Neptune. Astronomical Journal, 2022, 163, 67.	4.7	32
27	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. Science, 2021, 374, 1271-1275.	12.6	30
28	Super-Earth of 8.5 M_J in a 2.2-day orbit around the K5V star K2-216. Astronomy and Astrophysics, 2018, 618, A33.	5.1	29
29	The Transiting Multi-planet System HD15337: Two Nearly Equal-mass Planets Straddling the Radius Gap. Astrophysical Journal Letters, 2019, 876, L24.	8.3	29
30	HD 219666 b: a hot-Neptune from TESS Sector 1. Astronomy and Astrophysics, 2019, 623, A165.	5.1	29
31	One year of AU Mic with HARPS I. Measuring the masses of the two transiting planets. Monthly Notices of the Royal Astronomical Society, 2022, 512, 3060-3078.	4.4	29
32	One year of AU Mic with HARPS II. Stellar activity and star-planet interaction. Monthly Notices of the Royal Astronomical Society, 2022, 512, 5067-5084.	4.4	28
33	Planet Hunters TESS II: findings from the first two years of TESS. Monthly Notices of the Royal Astronomical Society, 2021, 501, 4669-4690.	4.4	27
34	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. Astronomical Journal, 2022, 163, 171.	4.7	27
35	HD 89345: a bright oscillating star hosting a transiting warm Saturn-sized planet observed by K2. Monthly Notices of the Royal Astronomical Society, 2018, 478, 4866-4880.	4.4	25
36	K2-264: a transiting multiplanet system in the Praesepe open cluster. Monthly Notices of the Royal Astronomical Society, 2019, 484, 8-18.	4.4	25

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37	The young HD 73583 (TOI-560) planetary system: two 10-M _J mini-Neptunes transiting a 500-Myr-old, bright, and active K dwarf. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 514, 1606-1627.	4.4	25
38	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> , 2018, 481, 596-612.	4.4	24
39	Mass determination of the 1:3:5 near-resonant planets transiting GJ 9827 (K2-135). <i>Astronomy and Astrophysics</i> , 2018, 618, A116.	5.1	21
40	Greening of the brown-dwarf desert. <i>Astronomy and Astrophysics</i> , 2019, 628, A64.	5.1	19
41	K2-290: a warm Jupiter and a mini-Neptune in a triple-star system. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 3522-3536.	4.4	17
42	The Multiplanet System TOI-421: A Warm Neptune and a Super Puffy Mini-Neptune Transiting a G9 V Star in a Visual Binary*. <i>Astronomical Journal</i> , 2020, 160, 114.	4.7	17
43	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> , 2019, 482, 1807-1823.	4.4	16
44	The TOI-763 system: sub-Neptunes orbiting a Sun-like star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 498, 4503-4517.	4.4	14
45	It Takes Two Planets in Resonance to Tango around K2-146. <i>Astronomical Journal</i> , 2020, 159, 120.	4.7	14
46	Detection and Doppler monitoring of K2-285 (EPIC 246471491), a system of four transiting planets smaller than Neptune. <i>Astronomy and Astrophysics</i> , 2019, 623, A41.	5.1	13
47	Detection and characterization of an ultra-dense sub-Neptunian planet orbiting the Sun-like star K2-292. <i>Astronomy and Astrophysics</i> , 2019, 623, A114.	5.1	11
48	Hot planets around cool stars – two short-period mini-Neptunes transiting the late K-dwarf TOI-1260. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 4684-4701.	4.4	9
49	Three planets transiting the evolved star EPIC 249893012: a hot 8.8-M _J super-Earth and two warm 14.7 and 10.2-M _J sub-Neptunes. <i>Astronomy and Astrophysics</i> , 2020, 636, A89.	5.1	9
50	A low-eccentricity migration pathway for a 13-h-period Earth analogue in a four-planet system. <i>Nature Astronomy</i> , 2022, 6, 736-750.	10.1	9
51	Mass determination of K2-19b and K2-19c from radial velocities and transit timing variations. <i>Astronomy and Astrophysics</i> , 2017, 601, A128.	5.1	8
52	A Radial Velocity Study of the Planetary System of Ć Mensae: Improved Planet Parameters for Ć Mensae c and a Third Planet on a 125 Day Orbit. <i>Astronomical Journal</i> , 2022, 163, 223.	4.7	7
53	TOI-220b: a warm sub-Neptune discovered by TESS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3361-3379.	4.4	6
54	Transit timings variations in the three-planet system: TOI-270. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 510, 5464-5485.	4.4	6

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55	Detecting general relativistic orbital precession in transiting hot Jupiters. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1567-1574.	4.4	5
56	Planet Hunters TESS III: two transiting planets around the bright G dwarf HD 152843. Monthly Notices of the Royal Astronomical Society, 2021, 505, 1827-1840.	4.4	5
57	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.	4.4	5
58	TESS Re-observes the Young Multi-planet System TOI-451: Refined Ephemeris and Activity Evolution. Research Notes of the AAS, 2021, 5, 51.	0.7	3
59	A Ghost in the Toast: TESS Background Light Produces a False "Transit" Across γ Ceti. Research Notes of the AAS, 2019, 3, 145.	0.7	3
60	K2-280b "a" a low density warm sub-Saturn around a mildly evolved star. Monthly Notices of the Royal Astronomical Society, 2020, 497, 4423-4435.	4.4	2
61	New HARPS and FEROS Observations of GJ 1046. Research Notes of the AAS, 2018, 2, 180.	0.7	2
62	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.	4.4	0
63	Dynamical Architecture of the HD 107148 Planetary System. Astronomical Journal, 2022, 163, 198.	4.7	0