

Oscar Barragan

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7450428/publications.pdf>

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	Escaping Helium from TOI 560.01, a Young Mini-Neptune. <i>Astronomical Journal</i> , 2022, 163, 67.	4.7	32
2	One year of AU Mic with HARPS â€“ II. Stellar activity and starâ€™planet interaction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 5067-5084.	4.4	28
3	One year of AU Mic with HARPS â€“ I. Measuring the masses of the two transiting planets. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 512, 3060-3078.	4.4	29
4	The EXPRES Stellar Signals Project II. State of the Field in Disentangling Photospheric Velocities. <i>Astronomical Journal</i> , 2022, 163, 171.	4.7	27
5	The young HD 73583 (TOI-560) planetary system: two 10-MâŠ• 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
6	Dynamical Architecture of the HD 107148 Planetary System. <i>Astronomical Journal</i> , 2022, 163, 198.	4.7	0
7	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
8	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> , 2022, 510, 5035-5049.	4.4	5
9	A Radial Velocity Study of the Planetary System of Î€ Mensae: Improved Planet Parameters for Î€ Mensae c and a Third Planet on a 125 Day Orbit. <i>Astronomical Journal</i> , 2022, 163, 223.	4.7	7
10	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
11	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
12	TESS Re-observes the Young Multi-planet System TOI-451: Refined Ephemeris and Activity Evolution. <i>Research Notes of the AAS</i> , 2021, 5, 51.	0.7	3
13	Detecting general relativistic orbital precession in transiting hot Jupiters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1567-1574.	4.4	5
14	Planet Hunters TESS III: two transiting planets around the bright Gâ€™dwarf HD 152843. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 1827-1840.	4.4	5
15	Hot planets around cool stars â€“ 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
16	TOI-220â€™%<i>b</i>: a warm sub-Neptune discovered by<i>TESS</i>. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 3361-3379.	4.4	6
17	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> , 2021, 506, 5361-5372.	4.4	0
18	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> , 2021, 645, A41.	5.1	33

#	ARTICLE	IF	CITATIONS
19	Planet Hunters TESS II: findings from the first two years of <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 501, 4669-4690.	4.4	27
20	Planet Hunters TESS II. A multidimensional Gaussian process approach to analysing spectroscopic time-series. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 866-883.	4.4	39
21	GJ 367b: A dense, ultrashort-period sub-Earth planet transiting a nearby red dwarf star. <i>Science</i> , 2021, 374, 1271-1275.	12.6	30
22	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
23	K2-280b: a low density warm sub-Saturn around a mildly evolved star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 497, 4423-4435.	4.4	2
24	It Takes Two Planets in Resonance to Tango around K2-146. <i>Astronomical Journal</i> , 2020, 159, 120.	4.7	14
25	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> , 2020, 494, 750-763.	4.4	41
26	Three planets transiting the evolved star EPIC 249893012: a hot 8.8- M_{\oplus} super-Earth and two warm 14.7 and 10.2- M_{\oplus} sub-Neptunes. <i>Astronomy and Astrophysics</i> , 2020, 636, A89.	5.1	9
27	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
28	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
29	The Transiting Multi-planet System HD15337: Two Nearly Equal-mass Planets Straddling the Radius Gap. <i>Astrophysical Journal Letters</i> , 2019, 876, L24.	8.3	29
30	HD 219666 b: a hot-Neptune from TESS Sector 1. <i>Astronomy and Astrophysics</i> , 2019, 623, A165.	5.1	29
31	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
32	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
33	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
34	Greening of the brown-dwarf desert. <i>Astronomy and Astrophysics</i> , 2019, 628, A64.	5.1	19
35	K2-140b and K2-180b: Characterization of a hot Jupiter and a mini-Neptune from the <i>K2</i> mission. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 1807-1823.	4.4	16
36	K2-264: a transiting multiplanet system in the Praesepe open cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 484, 8-18.	4.4	25

#	ARTICLE	IF	CITATIONS
37	<sc>pyaneti</sc>: a fast and powerful software suite for multiplanet radial velocity and transit fitting. Monthly Notices of the Royal Astronomical Society, 2019, 482, 1017-1030.	4.4	55
38	A Ghost in the Toast: TESS Background Light Produces a False "Transit" Across τ Ceti. Research Notes of the AAS, 2019, 3, 145.	0.7	3
39	Three Small Planets Transiting a Hyades Star. Astronomical Journal, 2018, 155, 115.	4.7	41
40	Exoplanets around Low-mass Stars Unveiled by K2. Astronomical Journal, 2018, 155, 127.	4.7	85
41	K2-155: A Bright Metal-poor M Dwarf with Three Transiting Super-Earths. Astronomical Journal, 2018, 155, 124.	4.7	38
42	K2-141 b. Astronomy and Astrophysics, 2018, 612, A95.	5.1	47
43	TESS's first planet. Astronomy and Astrophysics, 2018, 619, L10.	5.1	86
44	Mass determination of the 1:3:5 near-resonant planets transiting GJ 9827 (K2-135). Astronomy and Astrophysics, 2018, 618, A116.	5.1	21
45	Super-Earth of $8 M_{\oplus}$ in a 2.2-day orbit around the K5V star K2-216. Astronomy and Astrophysics, 2018, 618, A33.	5.1	29
46	K2-260 b: a hot Jupiter transiting an F star, and K2-261 b: a warm Saturn around a bright G star. Monthly Notices of the Royal Astronomical Society, 2018, 481, 596-612.	4.4	24
47	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
48	K2-139 b: a low-mass warm Jupiter on a 29-d orbit transiting an active KO star. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1765-1776.	4.4	35
49	44 Validated Planets from K2 Campaign 10. Astronomical Journal, 2018, 156, 78.	4.7	50
50	K2-137 b: an Earth-sized planet in a 4.3-h orbit around an M-dwarf. Monthly Notices of the Royal Astronomical Society, 2018, 474, 5523-5533.	4.4	56
51	New HARPS and FEROS Observations of GJ 1046. Research Notes of the AAS, 2018, 2, 180.	0.7	2
52	Mass determination of K2-19b and K2-19c from radial velocities and transit timing variations. Astronomy and Astrophysics, 2017, 601, A128.	5.1	8
53	EPIC 219388192b "An Inhabitant of the Brown Dwarf Desert in the Ruprecht 147 Open Cluster. Astronomical Journal, 2017, 153, 131.	4.7	35
54	K2-60b and K2-107b. A Sub-Jovian and a Jovian Planet from the K2 Mission. Astronomical Journal, 2017, 153, 130.	4.7	36

#	ARTICLE	IF	CITATIONS
55	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
56	The Discovery and Mass Measurement of a New Ultra-short-period Planet: K2-131b. <i>Astronomical Journal</i> , 2017, 154, 226.	4.7	74
57	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
58	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
59	K2-111 b: a short period super-Earth transiting a metal poor, evolved old star. <i>Astronomy and Astrophysics</i> , 2017, 604, A16.	5.1	36
60	Three Super-Earths Transiting the Nearby Star GJ 9827. <i>Astronomical Journal</i> , 2017, 154, 266.	4.7	63
61	TWO HOT JUPITERS FROM K2 CAMPAIGN 4. <i>Astronomical Journal</i> , 2016, 151, 171.	4.7	42
62	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
63	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