

Nã©stor Espinoza

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2161420/publications.pdf>

Version: 2024-02-01

112
papers

4,200
citations

126907

33
h-index

155660

55
g-index

113
all docs

113
docs citations

113
times ranked

2504
citing authors

#	ARTICLE	IF	CITATIONS
1	A multi-planetary system orbiting the early-M dwarf TOI-1238. <i>Astronomy and Astrophysics</i> , 2022, 658, A138.	5.1	7
2	TESS Giants Transiting Giants. I.: A Noninflated Hot Jupiter Orbiting a Massive Subgiant. <i>Astronomical Journal</i> , 2022, 163, 53.	4.7	12
3	Discovery and mass measurement of the hot, transiting, Earth-sized planet, GJ 3929 b. <i>Astronomy and Astrophysics</i> , 2022, 659, A17.	5.1	9
4	A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. <i>Astronomical Journal</i> , 2022, 163, 133.	4.7	10
5	Empirical Limb-darkening Coefficients and Transit Parameters of Known Exoplanets from TESS. <i>Astronomical Journal</i> , 2022, 163, 228.	4.7	28
6	Indications for very high metallicity and absence of methane in the eccentric exo-Saturn WASP-117b. <i>Astronomy and Astrophysics</i> , 2021, 646, A168.	5.1	15
7	Precise Transit and Radial-velocity Characterization of a Resonant Pair: The Warm Jupiter TOI-216c and Eccentric Warm Neptune TOI-216b. <i>Astronomical Journal</i> , 2021, 161, 161.	4.7	21
8	TESS Delivers Five New Hot Giant Planets Orbiting Bright Stars from the Full-frame Images. <i>Astronomical Journal</i> , 2021, 161, 194.	4.7	22
9	A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. <i>Science</i> , 2021, 371, 1038-1041.	12.6	41
10	A Transiting Warm Giant Planet around the Young Active Star TOI-201. <i>Astronomical Journal</i> , 2021, 161, 235.	4.7	20
11	ACCESS: An Optical Transmission Spectrum of the High-gravity Hot Jupiter HAT-P-23b. <i>Astronomical Journal</i> , 2021, 161, 278.	4.7	9
12	Mass and density of the transiting hot and rocky super-Earth LHS 1478 b (TOI-1640 b). <i>Astronomy and Astrophysics</i> , 2021, 649, A144.	5.1	19
13	ACCESS and LRG-BEASTS: A Precise New Optical Transmission Spectrum of the Ultrahot Jupiter WASP-103b. <i>Astronomical Journal</i> , 2021, 162, 34.	4.7	35
14	EDEN: Flare Activity of the Nearby Exoplanet-hosting M Dwarf Wolf 359 Based on K2 and EDEN Light Curves. <i>Astronomical Journal</i> , 2021, 162, 11.	4.7	7
15	An ultra-short-period transiting super-Earth orbiting the M3 dwarf TOI-1685. <i>Astronomy and Astrophysics</i> , 2021, 650, A78.	5.1	27
16	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.	4.4	19
17	Constraining Mornings and Evenings on Distant Worlds: A new Semianalytical Approach and Prospects with Transmission Spectroscopy. <i>Astronomical Journal</i> , 2021, 162, 165.	4.7	18
18	TOI-1201 b: A mini-Neptune transiting a bright and moderately young M dwarf. <i>Astronomy and Astrophysics</i> , 2021, 656, A124.	5.1	22

#	ARTICLE	IF	CITATIONS
19	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.	4.7	8
20	TOI-257b (HD 19916b): a warm sub-saturn orbiting an evolved F-type star. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 502, 3704-3722.	4.4	33
21	Orbital and physical parameters of eclipsing binaries from the ASAS catalogue â€“ XII. A sample of systems with <i>K2</i> photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 508, 5687-5708.	4.4	6
22	A Pair of Warm Giant Planets near the 2:1 Mean Motion Resonance around the K-dwarf Star TOI-2202*. <i>Astronomical Journal</i> , 2021, 162, 283.	4.7	13
23	ACCESS: A Visual to Near-infrared Spectrum of the Hot Jupiter WASP-43b with Evidence of H ₂ O, but No Evidence of Na or K. <i>Astronomical Journal</i> , 2020, 159, 13.	4.7	22
24	TOI-222: a single-transit TESS candidate revealed to be a 34-d eclipsing binary with CORALIE, EulerCam, and NGTS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 492, 1761-1769.	4.4	30
25	HD 213885b: a transiting 1-d-period super-Earth with an Earth-like composition around a bright (<i>V</i> = 7.9) star unveiled by <i>TESS</i> . <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 491, 2982-2999.	4.4	38
26	Three short-period Jupiters from TESS. <i>Astronomy and Astrophysics</i> , 2020, 639, A76.	5.1	17
27	Two Intermediate-mass Transiting Brown Dwarfs from the TESS Mission. <i>Astronomical Journal</i> , 2020, 160, 53.	4.7	39
28	Precise mass and radius of a transiting super-Earth planet orbiting the M dwarf TOI-1235: a planet in the radius gap?. <i>Astronomy and Astrophysics</i> , 2020, 639, A132.	5.1	33
29	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 636, A119.	5.1	24
30	Discovery of a hot, transiting, Earth-sized planet and a second temperate, non-transiting planet around the M4 dwarf GJ 3473 (TOI-488). <i>Astronomy and Astrophysics</i> , 2020, 642, A236.	5.1	27
31	An ultrahot Neptune in the Neptune desert. <i>Nature Astronomy</i> , 2020, 4, 1148-1157.	10.1	43
32	K2-280b â€“ 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
33	EDEN: Sensitivity Analysis and Transiting Planet Detection Limits for Nearby Late Red Dwarfs. <i>Astronomical Journal</i> , 2020, 159, 169.	4.7	18
34	TOI-677b: A Warm Jupiter (P = 11.2 days) on an Eccentric Orbit Transiting a Late F-type Star. <i>Astronomical Journal</i> , 2020, 159, 145.	4.7	32
35	HATS-71b: A Giant Planet Transiting an M3 Dwarf Star in TESS Sector 1. <i>Astronomical Journal</i> , 2020, 159, 267.	4.7	24
36	The highly inflated giant planet WASP-174b. <i>Astronomy and Astrophysics</i> , 2020, 633, A30.	5.1	2

#	ARTICLE	IF	CITATIONS
37	HATS-47b, HATS-48Ab, HATS-49b, and HATS-72b: Four Warm Giant Planets Transiting K Dwarfs*. <i>Astronomical Journal</i> , 2020, 159, 173.	4.7	8
38	A hot terrestrial planet orbiting the bright M dwarf L 168-9 unveiled by TESS. <i>Astronomy and Astrophysics</i> , 2020, 636, A58.	5.1	35
39	LBT transmission spectroscopy of HAT-P-12b. <i>Astronomy and Astrophysics</i> , 2020, 642, A98.	5.1	18
40	catwoman: A transit modelling Python package for asymmetric light curves. <i>Journal of Open Source Software</i> , 2020, 7, 2382.	4.6	3
41	K2-19b and c are in a 3:2 Commensurability but out of Resonance: A Challenge to Planet Assembly by Convergent Migration. <i>Astronomical Journal</i> , 2020, 159, 2.	4.7	12
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	ACCESS: Confirmation of No Potassium in the Atmosphere of WASP-31b. <i>Astronomical Journal</i> , 2020, 160, 230.	4.7	14
44	Cluster Difference Imaging Photometric Survey. II. TOI 837: A Young Validated Planet in IC 2602. <i>Astronomical Journal</i> , 2020, 160, 239.	4.7	38
45	TOI-481 b and TOI-892 b: Two Long-period Hot Jupiters from the Transiting Exoplanet Survey Satellite. <i>Astronomical Journal</i> , 2020, 160, 235.	4.7	23
46	A Highly Eccentric Warm Jupiter Orbiting TIC 237913194. <i>Astronomical Journal</i> , 2020, 160, 275.	4.7	19
47	NGTS-11 b (TOI-1847 b): A Transiting Warm Saturn Recovered from a TESS Single-transit Event. <i>Astrophysical Journal Letters</i> , 2020, 898, L11.	8.3	30
48	HATS-37Ab and HATS-38b: Two Transiting Hot Neptunes in the Desert*. <i>Astronomical Journal</i> , 2020, 160, 222.	4.7	6
49	Planetary system around the nearby M dwarf GJ 357 including a transiting, hot, Earth-sized planet optimal for atmospheric characterization. <i>Astronomy and Astrophysics</i> , 2019, 628, A39.	5.1	97
50	HD 1397b: A Transiting Warm Giant Planet Orbiting A V=7.8 mag Subgiant Star Discovered by TESS. <i>Astronomical Journal</i> , 2019, 158, 45.	4.7	39
51	LRG-BEASTS: Transmission Spectroscopy and Retrieval Analysis of the Highly Inflated Saturn-mass Planet WASP-39b. <i>Astronomical Journal</i> , 2019, 158, 144.	4.7	39
52	Estimation of singly transiting K2 planet periods with Gaia parallaxes. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 489, 3149-3161.	4.4	7
53	juliet: a versatile modelling tool for transiting and non-transiting exoplanetary systems. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 490, 2262-2283.	4.4	167
54	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.	4.4	16

#	ARTICLE	IF	CITATIONS
55	Two New HATNet Hot Jupiters around A Stars and the First Glimpse at the Occurrence Rate of Hot Jupiters from TESS. <i>Astronomical Journal</i> , 2019, 158, 141.	4.7	83
56	HATS-54b–HATS-58Ab: Five New Transiting Hot Jupiters Including One with a Possible Temperate Companion*. <i>Astronomical Journal</i> , 2019, 158, 63.	4.7	15
57	HATS-60b–HATS-69b: 10 Transiting Planets from HATSouth*. <i>Astronomical Journal</i> , 2019, 157, 55.	4.7	27
58	A Hot Saturn Orbiting an Oscillating Late Subgiant Discovered by TESS. <i>Astronomical Journal</i> , 2019, 157, 245.	4.7	72
59	ACCESS: a featureless optical transmission spectrum for WASP-19b from Magellan/IMACS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 482, 2065-2087.	4.4	99
60	HATS-70b: A 13 MJ Brown Dwarf Transiting an A Star*. <i>Astronomical Journal</i> , 2019, 157, 31.	4.7	35
61	K2-287 b: An Eccentric Warm Saturn Transiting a G-dwarf. <i>Astronomical Journal</i> , 2019, 157, 100.	4.7	14
62	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.	4.7	46
63	ACCESS: Ground-based Optical Transmission Spectroscopy of the Hot Jupiter WASP-4b. <i>Astronomical Journal</i> , 2019, 157, 68.	4.7	18
64	Orbital and physical parameters of eclipsing binaries from the All-Sky Automated Survey catalogue. <i>Astronomy and Astrophysics</i> , 2019, 622, A114.	5.1	9
65	TESS light curves of low-mass detached eclipsing binaries. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 300-304.	0.0	1
66	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	33
67	The Habitability of GJ 357D: Possible Climate and Observability. <i>Astrophysical Journal Letters</i> , 2019, 883, L40.	8.3	4
68	K2-161b: a low-density super-Neptune on an eccentric orbit. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 483, 1970-1979.	4.4	11
69	On the Transit Probability of the Habitable-zone Exoplanet GJ 357d. <i>Research Notes of the AAS</i> , 2019, 3, 122.	0.7	1
70	HATS-43b, HATS-44b, HATS-45b, and HATS-46b: Four Short-period Transiting Giant Planets in the Neptune–Jupiter Mass Range*. <i>Astronomical Journal</i> , 2018, 155, 112.	4.7	35
71	HATS-50b through HATS-53b: Four Transiting Hot Jupiters Orbiting G-type Stars Discovered by the HATSouth Survey*. <i>Astronomical Journal</i> , 2018, 155, 79.	4.7	30
72	HATS-59b,c: A Transiting Hot Jupiter and a Cold Massive Giant Planet around a Sun-like Star*. <i>Astronomical Journal</i> , 2018, 156, 216.	4.7	5

#	ARTICLE	IF	CITATIONS
73	The Transiting Exoplanet Community Early Release Science Program for <i>JWST</i>. Publications of the Astronomical Society of the Pacific, 2018, 130, 114402.	3.1	100
74	HATS-36b and 24 Other Transiting/Eclipsing Systems from the HATSouth-K2 Campaign 7 Program. Astronomical Journal, 2018, 155, 119.	4.7	27
75	Precision stellar radial velocity measurements with FIDEOS at the ESO 1-m telescope of La Silla. Monthly Notices of the Royal Astronomical Society, 2018, 477, 5041-5051.	4.4	13
76	HATS-39b, HATS-40b, HATS-41b, and HATS-42b: three inflated hot Jupiters and a super-Jupiter transiting F stars. Monthly Notices of the Royal Astronomical Society, 2018, 477, 3406-3423.	4.4	30
77	K2-140b â€“ an eccentric 6.57â€%d transiting hot Jupiter in Virgo. Monthly Notices of the Royal Astronomical Society, 2018, 475, 1809-1818.	4.4	37
78	K2-232 b: a transiting warm Saturn on an eccentric $P=11.2$ â€%d orbit around a $V=9.9$ star. Monthly Notices of the Royal Astronomical Society, 2018, 477, 2572-2581.	4.4	17
79	K2-237 b and K2-238 b: discovery and characterization of two new transiting hot Jupiters from K2. Monthly Notices of the Royal Astronomical Society, 2018, 478, 5356-5365.	4.4	10
80	A hot Saturn on an eccentric orbit around the giant star K2-132. Astronomy and Astrophysics, 2018, 613, A76.	5.1	12
81	An Alternative Derivation of the Analytic Expression of Transmission Spectra. Research Notes of the AAS, 2018, 2, 149.	0.7	6
82	Efficient Joint Sampling of Impact Parameters and Transit Depths in Transiting Exoplanet Light Curves. Research Notes of the AAS, 2018, 2, 209.	0.7	46
83	Absolute Properties of the Detached Eclipsing Binary EPIC 202674012 (HD 149946). Research Notes of the AAS, 2018, 2, 226.	0.7	2
84	Metal Enrichment Leads to Low Atmospheric C/O Ratios in Transiting Giant Exoplanets. Astrophysical Journal Letters, 2017, 838, L9.	8.3	95
85	CERES: A Set of Automated Routines for Echelle Spectra. Publications of the Astronomical Society of the Pacific, 2017, 129, 034002.	3.1	144
86	ACCESS I. AN OPTICAL TRANSMISSION SPECTRUM OF GJ 1214b REVEALS A HETEROGENEOUS STELLAR PHOTOSPHERE. Astrophysical Journal, 2017, 834, 151.	4.5	128
87	K2-114b and K2-115b: Two Transiting Warm Jupiters. Astronomical Journal, 2017, 154, 188.	4.7	36
88	K2-113: a dense hot-Jupiter transiting a solar analogue. Monthly Notices of the Royal Astronomical Society, 2017, 471, 4374-4380.	4.4	29
89	ACCESS I. AN OPTICAL TRANSMISSION SPECTRUM OF GJ 1214b REVEALS A HETEROGENEOUS STELLAR PHOTOSPHERE. Astrophysical Journal, 2017, 834, 151.	4.5	1
90	HATS-31B THROUGH HATS-35B: FIVE TRANSITING HOT JUPITERS DISCOVERED BY THE HATSOUTH SURVEY*. Astronomical Journal, 2016, 152, 161.	4.7	33

#	ARTICLE	IF	CITATIONS
91	HATS-25B THROUGH HATS-30B: A HALFâ€‘DOZEN NEW INFLATED TRANSITING HOT JUPITERS FROM THE HATSOUTH SURVEY*. <i>Astronomical Journal</i> , 2016, 152, 108.	4.7	49
92	HATS-11B AND HATS-12B: TWO TRANSITING HOT JUPITERS ORBITING SUBSOLAR METALLICITY STARS SELECTED FOR THE K2 CAMPAIGN 7*. <i>Astronomical Journal</i> , 2016, 152, 88.	4.7	32
93	DISCOVERY AND VALIDATION OF A HIGH-DENSITY SUB-NEPTUNE FROM THE K2 MISSION. <i>Astrophysical Journal</i> , 2016, 830, 43.	4.5	49
94	An Independent Discovery of Two Hot Jupiters from the K2 Mission. <i>Publications of the Astronomical Society of the Pacific</i> , 2016, 128, 124402.	3.1	33
95	HATS-18B: AN EXTREME SHORT-PERIOD MASSIVE TRANSITING PLANET SPINNING UP ITS STAR. <i>Astronomical Journal</i> , 2016, 152, 127.	4.7	54
96	HATS-17b: A TRANSITING COMPACT WARM JUPITER IN A 16.3 DAY CIRCULAR ORBIT*. <i>Astronomical Journal</i> , 2016, 151, 89.	4.7	57
97	Limb darkening and exoplanets â€‘ II. Choosing the best law for optimal retrieval of transit parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 457, 3573-3581.	4.4	95
98	HATS-7b: A HOT SUPER NEPTUNE TRANSITING A QUIET K DWARF STAR. <i>Astrophysical Journal</i> , 2015, 813, 111.	4.5	48
99	Limb darkening and exoplanets: testing stellar model atmospheres and identifying biases in transit parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 450, 1879-1899.	4.4	185
100	EARLY OPTICAL SPECTRA OF NOVA V1369 CEN SHOW THE PRESENCE OF LITHIUM. <i>Astrophysical Journal Letters</i> , 2015, 808, L14.	8.3	71
101	Orbital and physical parameters of eclipsing binaries from the ASAS catalogue â€‘ VII. V1200 Centauri: a bright triple in the Hyades moving group. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 448, 1937-1944.	4.4	7
102	HATS-8b: A LOW-DENSITY TRANSITING SUPER-NEPTUNE. <i>Astronomical Journal</i> , 2015, 150, 49.	4.7	47
103	HATS-6b: A WARM SATURN TRANSITING AN EARLY M DWARF STAR, AND A SET OF EMPIRICAL RELATIONS FOR CHARACTERIZING K AND M DWARF PLANET HOSTS. <i>Astronomical Journal</i> , 2015, 149, 166.	4.7	106
104	HATS9-b AND HATS10-b: TWO COMPACT HOT JUPITERS IN FIELD 7 OF THE K2 MISSION. <i>Astronomical Journal</i> , 2015, 150, 33.	4.7	52
105	Orbital and physical parameters of eclipsing binaries from the All-Sky Automated Survey catalogue. <i>Astronomy and Astrophysics</i> , 2014, 567, A64.	5.1	11
106	HATS-4b: A DENSE HOT JUPITER TRANSITING A SUPER METAL-RICH G STAR. <i>Astronomical Journal</i> , 2014, 148, 29.	4.7	84
107	Water vapour absorption in the clear atmosphere of a Neptune-sized exoplanet. <i>Nature</i> , 2014, 513, 526-529.	27.8	238
108	The massâ€‘radius relationship for very low mass stars: four new discoveries from the HATSouth Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 437, 2831-2844.	4.4	48

#	ARTICLE	IF	CITATIONS
109	HATS-1b: THE FIRST TRANSITING PLANET DISCOVERED BY THE HATSouth SURVEY. <i>Astronomical Journal</i> , 2013, 145, 5.	4.7	75
110	A GROUND-BASED OPTICAL TRANSMISSION SPECTRUM OF WASP-6b. <i>Astrophysical Journal</i> , 2013, 778, 184.	4.5	100
111	HATS-3b: AN INFLATED HOT JUPITER TRANSITING AN F-TYPE STAR. <i>Astronomical Journal</i> , 2013, 146, 113.	4.7	75
112	HATS-2b: A transiting extrasolar planet orbiting a <i>K</i> -type star showing starspot activity. <i>Astronomy and Astrophysics</i> , 2013, 558, A55.	5.1	40