

Alejandro Suárez Mascareño

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

2,383
citations

201674

27
h-index

223800

46
g-index

63
all docs

63
docs citations

63
times ranked

2136
citing authors

#	ARTICLE	IF	CITATIONS
1	ESPRESSO at VLT. <i>Astronomy and Astrophysics</i> , 2021, 645, A96.	5.1	221
2	Nightside condensation of iron in an ultrahot giant exoplanet. <i>Nature</i> , 2020, 580, 597-601.	27.8	178
3	Magnetic cycles and rotation periods of late-type stars from photometric time series. <i>Astronomy and Astrophysics</i> , 2016, 595, A12.	5.1	130
4	Rotation periods of late-type dwarf stars from time series high-resolution spectroscopy of chromospheric indicators. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 2745-2756.	4.4	121
5	A candidate super-Earth planet orbiting near the snow line of Barnard's star. <i>Nature</i> , 2018, 563, 365-368.	27.8	109
6	Six transiting planets and a chain of Laplace resonances in TOI-178. <i>Astronomy and Astrophysics</i> , 2021, 649, A26.	5.1	94
7	Revisiting Proxima with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 639, A77.	5.1	81
8	Atmospheric Rossiter-McLaughlin effect and transmission spectroscopy of WASP-121b with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 645, A24.	5.1	75
9	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
10	Characterization of the radial velocity signal induced by rotation in late-type dwarfs. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 468, 4772-4781.	4.4	65
11	ESPRESSO high-resolution transmission spectroscopy of WASP-76 b. <i>Astronomy and Astrophysics</i> , 2021, 646, A158.	5.1	62
12	Stellar parameters of early-M dwarfs from ratios of spectral features at optical wavelengths. <i>Astronomy and Astrophysics</i> , 2015, 577, A132.	5.1	60
13	HADES RV program with HARPS-N at the TNG GJ 3998: An early M-dwarf hosting a system of super-Earths. <i>Astronomy and Astrophysics</i> , 2016, 593, A117.	5.1	51
14	HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 612, A89.	5.1	51
15	Warm terrestrial planet with half the mass of Venus transiting a nearby star. <i>Astronomy and Astrophysics</i> , 2021, 653, A41.	5.1	46
16	A precise architecture characterization of the <i>Kepler-90</i> Mensae planetary system. <i>Astronomy and Astrophysics</i> , 2020, 642, A31.	5.1	43
17	A candidate short-period sub-Earth orbiting Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2022, 658, A115.	5.1	43
18	The GAPS Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 601, A53.	5.1	41

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19	The atmosphere of HD 209458b seen with ESPRESSO. <i>Astronomy and Astrophysics</i> , 2021, 647, A26.	5.1	41
20	Rapid contraction of giant planets orbiting the 20-million-year-old star V1298 Tau. <i>Nature Astronomy</i> , 2022, 6, 232-240.	10.1	40
21	Catalog for the ESPRESSO blind radial velocity exoplanet survey. <i>Astronomy and Astrophysics</i> , 2019, 629, A80.	5.1	38
22	A Jovian planet in an eccentric 11.5 day orbit around HD 1397 discovered by TESS. <i>Astronomy and Astrophysics</i> , 2019, 623, A100.	5.1	36
23	WASP-127b: a misaligned planet with a partly cloudy atmosphere and tenuous sodium signature seen by ESPRESSO. <i>Astronomy and Astrophysics</i> , 2020, 644, A155.	5.1	36
24	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A26.	5.1	34
25	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A27.	5.1	32
26	Hot, rocky and warm, puffy super-Earths orbiting TOI-402 (HD 15337). <i>Astronomy and Astrophysics</i> , 2019, 627, A43.	5.1	30
27	Fundamental physics with ESPRESSO: Precise limit on variations in the fine-structure constant towards the bright quasar HE 0515+414. <i>Astronomy and Astrophysics</i> , 2022, 658, A123.	5.1	30
28	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 598, A28.	5.1	28
29	The HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2018, 617, A104.	5.1	28
30	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 605, A92.	5.1	27
31	The CORALIE survey for southern extrasolar planets. <i>Astronomy and Astrophysics</i> , 2019, 625, A71.	5.1	27
32	A crucial test for astronomical spectrograph calibration with frequency combs. <i>Nature Astronomy</i> , 2020, 4, 603-608.	10.1	26
33	The Rossiter-McLaughlin effect revolutions: an ultra-short period planet and a warm mini-Neptune on perpendicular orbits. <i>Astronomy and Astrophysics</i> , 2021, 654, A152.	5.1	23
34	An eclipsing double-line spectroscopic binary at the stellar/substellar boundary in the Upper Scorpius OB association. <i>Astronomy and Astrophysics</i> , 2015, 584, A128.	5.1	23
35	A sub-Neptune and a non-transiting Neptune-mass companion unveiled by ESPRESSO around the bright late-F dwarf HD 5278 (TOI-130). <i>Astronomy and Astrophysics</i> , 2021, 648, A75.	5.1	22
36	K2-111: an old system with two planets in near-resonance. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 499, 5004-5021.	4.4	22

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37	HADES RV program with HARPS-N at the TNG. <i>Astronomy and Astrophysics</i> , 2019, 622, A193.	5.1	21
38	A super-Earth orbiting the nearby M dwarf GJ 536. <i>Astronomy and Astrophysics</i> , 2017, 597, A108.	5.1	20
39	Flare activity and photospheric analysis of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2017, 606, A49.	5.1	18
40	Gliese 49: activity evolution and detection of a super-Earth. <i>Astronomy and Astrophysics</i> , 2019, 624, A123.	5.1	18
41	Fundamental physics with ESPRESSO: Towards an accurate wavelength calibration for a precision test of the fine-structure constant. <i>Astronomy and Astrophysics</i> , 2021, 646, A144.	5.1	18
42	The solar gravitational redshift from HARPS-LFC Moon spectra. <i>Astronomy and Astrophysics</i> , 2020, 643, A146.	5.1	18
43	Relative stability of two laser frequency combs for routine operation on HARPS and FOCES. <i>Proceedings of SPIE</i> , 2016, , .	0.8	18
44	Characterization of the K2-38 planetary system. <i>Astronomy and Astrophysics</i> , 2020, 641, A92.	5.1	17
45	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2017, 608, A63.	5.1	14
46	Is the activity level of HD 80606 influenced by its eccentric planet?. <i>Astronomy and Astrophysics</i> , 2016, 592, A143.	5.1	13
47	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 624, A27.	5.1	13
48	Broadband transmission spectroscopy of HD 209458b with ESPRESSO: evidence for Na, TiO, or both. <i>Astronomy and Astrophysics</i> , 2020, 644, A51.	5.1	13
49	New Constraints on the Future Evaporation of the Young Exoplanets in the V1298 Tau System. <i>Astrophysical Journal</i> , 2022, 925, 172.	4.5	13
50	Stellar activity analysis of Barnard's Star: Very slow rotation and evidence for long-term activity cycle. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	12
51	The HADES RV programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2019, 625, A126.	5.1	12
52	Measuring and characterizing the line profile of HARPS with a laser frequency comb. <i>Astronomy and Astrophysics</i> , 2021, 645, A23.	5.1	9
53	Temporal changes of the flare activity of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2019, 626, A111.	5.1	8
54	The RoPES project with HARPS and HARPS-N. <i>Astronomy and Astrophysics</i> , 2018, 612, A41.	5.1	7

#	ARTICLE	IF	CITATIONS
55	A super-Earth on a close-in orbit around the M1V star GJ 740. <i>Astronomy and Astrophysics</i> , 2021, 648, A20.	5.1	7
56	HADES RV Programme with HARPS-N at TNG. <i>Astronomy and Astrophysics</i> , 2021, 649, A157.	5.1	6
57	HD 22496 b: The first ESPRESSO stand-alone planet discovery. <i>Astronomy and Astrophysics</i> , 2021, 654, A60.	5.1	6
58	Two planetary systems with transiting Earth-sized and super-Earth planets orbiting late-type dwarf stars. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 480, L1-L5.	3.3	5
59	A transiting super-Earth close to the inner edge of the habitable zone of an M0 dwarf star. <i>Monthly Notices of the Royal Astronomical Society</i> , 0, , .	4.4	3
60	CaRM: Exploring the chromatic Rossiter-McLaughlin effect. <i>Astronomy and Astrophysics</i> , 2022, 660, A52.	5.1	3
61	Retrieving the transmission spectrum of HD 209458b using CHOCOLATE: a new chromatic Doppler tomography technique. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2
62	Analysis of the chromosphere and corona of low-activity early-M dwarfs. <i>Proceedings of the International Astronomical Union</i> , 2019, 15, 355-362.	0.0	0