

# VÃ-ctor J SÃ;nchez BÃ©jar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4830812/publications.pdf>

Version: 2024-02-01

126  
papers

5,346  
citations

57758

44  
h-index

102487

66  
g-index

127  
all docs

127  
docs citations

127  
times ranked

2660  
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	Metallicities in M dwarfs: Investigating different determination techniques. <i>Astronomy and Astrophysics</i> , 2022, 658, A194.	5.1	18
3	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
4	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
5	Radio emission in a nearby, ultra-cool dwarf binary: A multifrequency study. <i>Astronomy and Astrophysics</i> , 2022, 660, A65.	5.1	3
6	A Transiting, Temperate Mini-Neptune Orbiting the M Dwarf TOI-1759 Unveiled by TESS. <i>Astronomical Journal</i> , 2022, 163, 133.	4.7	10
7	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2022, 663, A48.	5.1	12
8	A nearby transiting rocky exoplanet that is suitable for atmospheric investigation. <i>Science</i> , 2021, 371, 1038-1041.	12.6	41
9	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
10	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2021, 654, A118.	5.1	14
11	TOI-1749: an M dwarf with a Trio of Planets including a Near-resonant Pair. <i>Astronomical Journal</i> , 2021, 162, 167.	4.7	6
12	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2021, 653, A49.	5.1	11
13	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
14	Diving Beneath the Sea of Stellar Activity: Chromatic Radial Velocities of the Young AU Mic Planetary System. <i>Astronomical Journal</i> , 2021, 162, 295.	4.7	39
15	GTC/CanariCam Deep Mid-infrared Imaging Survey of Northern Stars within 5 pc. <i>Astrophysical Journal</i> , 2021, 923, 119.	4.5	2
16	MuSCAT2 multicolour validation of TESS candidates: an ultra-short-period substellar object around an M dwarf. <i>Astronomy and Astrophysics</i> , 2020, 633, A28.	5.1	28
17	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 637, A93.	5.1	12
18	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 636, A119.	5.1	24

#	ARTICLE	IF	CITATIONS
19	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
20	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 640, A50.	5.1	28
21	USco1621 B and USco1556 B: Two wide companions at the deuterium-burning mass limit in Upper Scorpius. <i>Astronomy and Astrophysics</i> , 2020, 633, A152.	5.1	8
22	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 638, A16.	5.1	16
23	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2020, 636, A36.	5.1	51
24	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 625, A68.	5.1	123
25	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 627, A161.	5.1	58
26	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
27	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 627, A49.	5.1	95
28	Magnetic fields in M dwarfs from the CARMENES survey. <i>Astronomy and Astrophysics</i> , 2019, 626, A86.	5.1	63
29	He I $\lambda$ 10830 Å in the transmission spectrum of HD209458 b. <i>Astronomy and Astrophysics</i> , 2019, 629, A110.	5.1	81
30	A giant exoplanet orbiting a very-low-mass star challenges planet formation models. <i>Science</i> , 2019, 365, 1441-1445.	12.6	78
31	A low-mass triple system with a wide L/T transition brown dwarf component: NLTT 51469AB/SDSS 2131+0119. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1149-1159.	4.4	7
32	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 623, A44.	5.1	70
33	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 623, A24.	5.1	18
34	Gliese 49: activity evolution and detection of a super-Earth. <i>Astronomy and Astrophysics</i> , 2019, 624, A123.	5.1	18
35	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 622, A153.	5.1	18
36	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 623, A136.	5.1	9

#	ARTICLE	IF	CITATIONS
37	Multiple water band detections in the CARMENES near-infrared transmission spectrum of HD 189733 b. <i>Astronomy and Astrophysics</i> , 2019, 621, A74.	5.1	57
38	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 627, A116.	5.1	11
39	Multicolour photometry for exoplanet candidate validation. <i>Astronomy and Astrophysics</i> , 2019, 630, A89.	5.1	41
40	Water vapor detection in the transmission spectra of HD 209458 b with the CARMENES NIR channel. <i>Astronomy and Astrophysics</i> , 2019, 630, A53.	5.1	45
41	CARMENES input catalogue of M dwarfs. <i>Astronomy and Astrophysics</i> , 2019, 621, A126.	5.1	73
42	Temporal changes of the flare activity of Proxima Centauri. <i>Astronomy and Astrophysics</i> , 2019, 626, A111.	5.1	8
43	Confirming the least massive members of the Pleiades star cluster. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018, 475, 139-153.	4.4	6
44	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, A117.	5.1	103
45	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 619, A32.	5.1	29
46	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 618, A115.	5.1	37
47	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 620, A171.	5.1	26
48	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 615, A14.	5.1	48
49	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 615, A6.	5.1	73
50	A candidate super-Earth planet orbiting near the snow line of Barnard's star. <i>Nature</i> , 2018, 563, 365-368.	27.8	109
51	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 614, A122.	5.1	51
52	Detection of He I $\lambda$ 10830 absorption on HD 189733 b with CARMENES high-resolution transmission spectroscopy. <i>Astronomy and Astrophysics</i> , 2018, 620, A97.	5.1	120
53	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 609, L5.	5.1	46
54	The CARMENES search for exoplanets around M dwarfs. <i>Astronomy and Astrophysics</i> , 2018, 612, A49.	5.1	173

#	ARTICLE	IF	CITATIONS
55	The optical + infrared L dwarf spectral sequence of young planetary-mass objects in the Upper Scorpius association. Monthly Notices of the Royal Astronomical Society, 2018, 473, 2020-2059.	4.4	38
56	Spectrum radial velocity analyser (SERVAL). Astronomy and Astrophysics, 2018, 609, A12.	5.1	266
57	CARMENES: high-resolution spectra and precise radial velocities in the red and infrared. , 2018, , .		37
58	CARMENES input catalogue of M dwarfs. Astronomy and Astrophysics, 2017, 597, A47.	5.1	60
59	Optical and Near-infrared Spectra of Œ Orionis Isolated Planetary-mass Objects. Astrophysical Journal, 2017, 842, 65.	4.5	45
60	Using binary statistics in Taurus-Auriga to distinguish between brown dwarf formation processes. Astronomy and Astrophysics, 2017, 605, A11.	5.1	5
61	Flare activity and photospheric analysis of Proxima Centauri. Astronomy and Astrophysics, 2017, 606, A49.	5.1	18
62	Near-infrared photometry of WISE J085510.74â€œ071442.5. Astronomy and Astrophysics, 2016, 592, A80.	5.1	13
63	A new free-floating planet in the Upper Scorpius association. Astronomy and Astrophysics, 2016, 586, A157.	5.1	20
64	Status of the GTC adaptive optics: integration in laboratory. Proceedings of SPIE, 2016, , .	0.8	2
65	CARMENES: an overview six months after first light. Proceedings of SPIE, 2016, , .	0.8	59
66	Hunting for brown dwarf binaries and testing atmospheric models with X-Shooter. Monthly Notices of the Royal Astronomical Society, 2016, 455, 1341-1363.	4.4	13
67	A Young Planetary Mass Companion to the Nearby M Dwarf VHS J125601.92-125723.9. Proceedings of the International Astronomical Union, 2015, 10, 232-236.	0.0	0
68	VLT X-Shooter spectroscopy of the nearest brown dwarf binary. Astronomy and Astrophysics, 2015, 581, A73.	5.1	19
69	Characterization of the known T-type dwarfs towards the Œ Orionis cluster. Astronomy and Astrophysics, 2015, 574, A118.	5.1	14
70	Mid-IR characterization of substellar companions with CanariCam. EPJ Web of Conferences, 2015, 101, 06005.	0.3	0
71	Constraints on the substellar companions in wide orbits around the Barnard's Star from CanariCam mid-infrared imaging. Monthly Notices of the Royal Astronomical Society, 2015, 452, 1677-1683.	4.4	6
72	An eclipsing double-line spectroscopic binary at the stellar/substellar boundary in the Upper Scorpius OB association. Astronomy and Astrophysics, 2015, 584, A128.	5.1	23

#	ARTICLE	IF	CITATIONS
73	Spectroscopic follow-up of L- and T-type proper-motion member candidates in the Pleiades. <i>Astronomy and Astrophysics</i> , 2014, 572, A67.	5.1	20
74	Binary frequency of planet-host stars at wide separations. <i>Astronomy and Astrophysics</i> , 2014, 569, A120.	5.1	19
75	2MASS J154043.42+510135.7: a new addition to the 5 pc population. <i>Astronomy and Astrophysics</i> , 2014, 567, A6.	5.1	9
76	Spectroscopy of Hyades L dwarf candidates.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 445, 3908-3918.	4.4	24
77	CARMENES instrument overview. <i>Proceedings of SPIE</i> , 2014, , .	0.8	132
78	A deep WISE search for very late type objects and the discovery of two halo/thick-disc T dwarfs: WISE 0013+0634 and WISE 0833+0052. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 437, 1009-1026.	4.4	27
79	Trigonometric parallaxes of young field L dwarfs. <i>Astronomy and Astrophysics</i> , 2014, 568, A6.	5.1	49
80	GTC OSIRIS <i>z</i> -band imaging of Y dwarfs. <i>Astronomy and Astrophysics</i> , 2013, 550, L2.	5.1	14
81	First T dwarfs in the VISTA Hemisphere Survey. <i>Astronomy and Astrophysics</i> , 2012, 548, A53.	5.1	24
82	NEW ISOLATED PLANETARY-MASS OBJECTS AND THE STELLAR AND SUBSTELLAR MASS FUNCTION OF THE $\beta$ ORIONIS CLUSTER. <i>Astrophysical Journal</i> , 2012, 754, 30.	4.5	116
83	A new L dwarf member of the moderately metal poor triple system HD 221356. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 427, 2457-2463.	4.4	5
84	THE SUBSTELLAR POPULATION OF $\beta$ ORIONIS: A DEEP WIDE SURVEY. <i>Astrophysical Journal</i> , 2011, 743, 64.	4.5	36
85	Search and characterization of T-type planetary mass candidates in the $\beta$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2011, 532, A42.	5.1	25
86	NEAR-INFRARED LINEAR POLARIZATION OF ULTRACOOL DWARFS. <i>Astrophysical Journal</i> , 2011, 740, 4.	4.5	27
87	High-contrast optical imaging of companions: the case of the brown dwarf binary HD 130948+BC. <i>Astronomy and Astrophysics</i> , 2011, 526, A144.	5.1	19
88	Lucky Imaging Adaptive Optics of the brown dwarf binary GJ569B+.... <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 413, 1524-1536.	4.4	18
89	CARMENES: Calar Alto high-resolution search for M dwarfs with exo-earths with a near-infrared Echelle spectrograph. <i>Proceedings of SPIE</i> , 2010, , .	0.8	47
90	INFRARED AND KINEMATIC PROPERTIES OF THE SUBSTELLAR OBJECT G 196-3 B. <i>Astrophysical Journal</i> , 2010, 715, 1408-1418.	4.5	22

#	ARTICLE	IF	CITATIONS
91	Near-infrared low-resolution spectroscopy of Pleiades L-type brown dwarfs. <i>Astronomy and Astrophysics</i> , 2010, 519, A93.	5.1	50
92	The Least Massive (Sub)Stellar Component of the Milky Way. <i>Thirty Years of Astronomical Discovery With UKIRT</i> , 2010, , 155-162.	0.3	0
93	Candidate free-floating super-Jupiters in the young <i>Orionis</i> open cluster. <i>Astronomy and Astrophysics</i> , 2009, 506, 1169-1182.	5.1	58
94	Discovery of a wide planetary-mass companion of a brown dwarf in the Upper Scorpius association. , 2009, , .		0
95	Search for wide, ultracool companions of nearby T dwarfs. , 2009, , .		0
96	Polarisation of very-low-mass stars and brown dwarfs. <i>Astronomy and Astrophysics</i> , 2009, 502, 929-936.	5.1	23
97	Discovery of a Wide Companion near the Deuterium-burning Mass Limit in the Upper Scorpius Association. <i>Astrophysical Journal</i> , 2008, 673, L185-L189.	4.5	106
98	CLOUDS search for variability in brown dwarf atmospheres. <i>Astronomy and Astrophysics</i> , 2008, 487, 277-292.	5.1	23
99	New constraints on the membership of the T dwarf S Ori 70 in the <i>Orionis</i> cluster. <i>Astronomy and Astrophysics</i> , 2008, 477, 895-900.	5.1	30
100	Chemical abundances of late-type pre-main sequence stars in the <i>Orionis</i> cluster. <i>Astronomy and Astrophysics</i> , 2008, 490, 1135-1142.	5.1	34
101	Space Velocities of $\epsilon$ - and $\tau$ -Type Dwarfs. <i>Astrophysical Journal</i> , 2007, 666, 1205-1218.	4.5	62
102	Discs of planetary-mass objects in $\sigma$ Orionis. <i>Astronomy and Astrophysics</i> , 2007, 472, L9-L12.	5.1	30
103	The substellar mass function in <i>Orionis</i> . <i>Astronomy and Astrophysics</i> , 2007, 470, 903-918.	5.1	108
104	Multiplicity of very low-mass objects in the Upper Scorpius OB association: a possible wide binary population. <i>Astronomy and Astrophysics</i> , 2006, 451, 177-186.	5.1	47
105	S Ori J053825.4-024241: a classical T Tauri-like object at the substellar boundary. <i>Astronomy and Astrophysics</i> , 2006, 445, 143-153.	5.1	26
106	Pleiades low-mass brown dwarfs: the cluster L dwarf sequence. <i>Astronomy and Astrophysics</i> , 2006, 458, 805-816.	5.1	49
107	A search for substellar members in the Praesepe and $\sigma$ Orionis clusters. <i>Astronomy and Astrophysics</i> , 2006, 460, 799-810.	5.1	40
108	Proper motion Pleiades candidate L-type brown dwarfs. <i>Astronomische Nachrichten</i> , 2005, 326, 1057-1058.	1.2	1

#	ARTICLE	IF	CITATIONS
109	A search for planetary-mass objects and brown dwarfs in the Upper Scorpius association. <i>Astronomy and Astrophysics</i> , 2005, 443, 1021-1024.	5.1	3
110	Optical Linear Polarization of Late M and L Type Dwarfs. <i>Astrophysical Journal</i> , 2005, 621, 445-460.	4.5	51
111	Optical and infrared photometry of new very low-mass stars and brown dwarfs in the $\sigma$ Orionis cluster. <i>Astronomische Nachrichten</i> , 2004, 325, 705-713.	1.2	16
112	Photometric variability of young brown dwarfs in the $\sigma$ Orionis open cluster. <i>Astronomy and Astrophysics</i> , 2004, 424, 857-872.	5.1	55
113	The $\sigma$ Orionis substellar population. <i>Astronomy and Astrophysics</i> , 2003, 404, 171-185.	5.1	55
114	Photometric variability of a young, low-mass brown dwarf. <i>Astronomy and Astrophysics</i> , 2003, 408, 663-673.	5.1	31
115	Activity at the Deuterium-burning Mass Limit in Orion. <i>Astrophysical Journal</i> , 2002, 569, L99-L102.	4.5	36
116	Lithium and $\text{H}\alpha$ in stars and brown dwarfs of $\sigma$ Orionis. <i>Astronomy and Astrophysics</i> , 2002, 384, 937-953.	5.1	155
117	Discovery of a very cool object with extraordinarily strong $\text{H}\alpha$ emission. <i>Astronomy and Astrophysics</i> , 2002, 393, L85-L88.	5.1	41
118	A Methane, Isolated, Planetary-Mass Object in Orion. <i>Astrophysical Journal</i> , 2002, 578, 536-542.	4.5	108
119	Keck NIRC Observations of Planetary-Mass Candidate Members in the $\sigma$ Orionis Open Cluster. <i>Astrophysical Journal</i> , 2001, 558, L117-L121.	4.5	83
120	The Substellar Mass Function in $\sigma$ Orionis. <i>Astrophysical Journal</i> , 2001, 556, 830-836.	4.5	157
121	Optical spectroscopy of isolated planetary mass objects in the $\sigma$ Orionis cluster. <i>Astronomy and Astrophysics</i> , 2001, 377, L9-L13.	5.1	64
122	A Search for Very Low Mass Stars and Brown Dwarfs in the Young $\sigma$ Orionis Cluster. <i>Astrophysical Journal</i> , 1999, 521, 671-681.	4.5	174
123	An L-Type Substellar Object in Orion: Reaching the Mass Boundary between Brown Dwarfs and Giant Planets. <i>Astrophysical Journal</i> , 1999, 524, L115-L118.	4.5	44
124	A New Pleiades Member at the Lithium Substellar Boundary. <i>Astrophysical Journal</i> , 1998, 499, L61-L64.	4.5	63
125	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
126	A young spectroscopic binary in a quintuple system part of the Local Association. <i>Astronomy and Astrophysics</i> , 0, , .	5.1	2