

Carlos LÃ³pez-Sanjuan

List of Publications by Year in descending order

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105
papers

5,000
citations

117453

34
h-index

95083

68
g-index

105
all docs

105
docs citations

105
times ranked

3953
citing authors

#	ARTICLE	IF	CITATIONS
1	J-PLUS: Searching for very metal-poor star candidates using the SPEEM pipeline. <i>Astronomy and Astrophysics</i> , 2022, 657, A35.	2.1	10
2	J-PLUS: Spectral evolution of white dwarfs by PDF analysis. <i>Astronomy and Astrophysics</i> , 2022, 658, A79.	2.1	17
3	J-PLUS: Support vector machine applied to STAR-GALAXY-QSO classification. <i>Astronomy and Astrophysics</i> , 2022, 659, A144.	2.1	9
4	The minijPAS survey: Identification and characterization of the emission line galaxies down to $z < 0.35$ in the AEGIS field. <i>Astronomy and Astrophysics</i> , 2022, 661, A99.	2.1	12
5	The minijPAS survey: star-galaxy classification using machine learning. <i>Astronomy and Astrophysics</i> , 2021, 645, A87.	2.1	26
6	J-PAS: Measuring emission lines with artificial neural networks. <i>Astronomy and Astrophysics</i> , 2021, 647, A158.	2.1	15
7	The minijPAS survey. <i>Astronomy and Astrophysics</i> , 2021, 649, A79.	2.1	22
8	J-PLUS: The star formation main sequence and rate density at $z \approx 0.75$ Mpc. <i>Astronomy and Astrophysics</i> , 2021, 650, A68.	2.1	9
9	J-PAS: forecasts for dark matter-dark energy elastic couplings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022.	1.9	12
10	J-PLUS: A first glimpse at the spectrophotometry of asteroids. <i>Astronomy and Astrophysics</i> , 2021, 655, A47.	2.1	6
11	The minijPAS survey: Photometric redshift catalogue. <i>Astronomy and Astrophysics</i> , 2021, 654, A101.	2.1	15
12	J-PLUS: Systematic impact of metallicity on photometric calibration with the stellar locus. <i>Astronomy and Astrophysics</i> , 2021, 654, A61.	2.1	17
13	J-PAS: forecasts on interacting vacuum energy models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 033.	1.9	11
14	The minijPAS survey: A preview of the Universe in 56 colors. <i>Astronomy and Astrophysics</i> , 2021, 653, A31.	2.1	54
15	Disentangling cataclysmic variables in Gaia's HR diagram. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 492, L40-L44.	1.2	32
16	J-PAS: forecasts on dark energy and modified gravity theories. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 493, 3616-3631.	1.6	14
17	J-PLUS: Tools to identify compact planetary nebulae in the Javalambre and southern photometric local Universe surveys. <i>Astronomy and Astrophysics</i> , 2020, 633, A123.	2.1	5
18	J-PLUS: Unveiling the brightest end of the Ly α luminosity function at $2.0 < z < 3.3$ over 1000 deg^2 . <i>Astronomy and Astrophysics</i> , 2020, 643, A149.	2.1	20

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19	J-PLUS: Impact of bars on quenching timescales in nearby green valley disc galaxies. <i>Astronomy and Astrophysics</i> , 2019, 630, A88.	2.1	5
20	J-PLUS: Synthetic galaxy catalogues with emission lines for photometric surveys. <i>Astronomy and Astrophysics</i> , 2019, 631, A82.	2.1	18
21	The ALHAMBRA survey: tight dependence of the optical mass-to-light ratio on galaxy colour up to $z = 1.5$. <i>Astronomy and Astrophysics</i> , 2019, 622, A51.	2.1	12
22	J-PLUS: A wide-field multi-band study of the M 15 globular cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A179.	2.1	18
23	J-PLUS: Morphological star/galaxy classification by PDF analysis. <i>Astronomy and Astrophysics</i> , 2019, 622, A177.	2.1	28
24	J-PLUS: On the identification of new cluster members in the double galaxy cluster A2589 and A2593 using PDFs. <i>Astronomy and Astrophysics</i> , 2019, 622, A178.	2.1	20
25	J-PLUS: Measuring H α emission line fluxes in the nearby universe. <i>Astronomy and Astrophysics</i> , 2019, 622, A180.	2.1	17
26	J-PLUS: Two-dimensional analysis of the stellar population in NGC 5473 and NGC 5485. <i>Astronomy and Astrophysics</i> , 2019, 622, A181.	2.1	17
27	J-PLUS: The Javalambre Photometric Local Universe Survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A176.	2.1	124
28	J-PLUS: Identification of low-metallicity stars with artificial neural networks using SPHINX. <i>Astronomy and Astrophysics</i> , 2019, 622, A182.	2.1	38
29	J-PLUS: Analysis of the intracluster light in the Coma cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A183.	2.1	31
30	Stellar populations of galaxies in the ALHAMBRA survey up to $z \leq 1$. <i>Astronomy and Astrophysics</i> , 2019, 631, A156.	2.1	17
31	J-PLUS: Discovery and characterisation of ultracool dwarfs using Virtual Observatory tools. <i>Astronomy and Astrophysics</i> , 2019, 627, A29.	2.1	6
32	Stellar populations of galaxies in the ALHAMBRA survey up to $z \leq 1$. <i>Astronomy and Astrophysics</i> , 2019, 631, A158.	2.1	13
33	Stellar populations of galaxies in the ALHAMBRA survey up to $z \leq 1$. <i>Astronomy and Astrophysics</i> , 2019, 631, A157.	2.1	9
34	J-PLUS: photometric calibration of large-area multi-filter surveys with stellar and white dwarf loci. <i>Astronomy and Astrophysics</i> , 2019, 631, A119.	2.1	36
35	High redshift galaxies in the ALHAMBRA survey. <i>Astronomy and Astrophysics</i> , 2018, 614, A129.	2.1	9
36	The ALHAMBRA survey: 2D analysis of the stellar populations in massive early-type galaxies at $z < 0.3$. <i>Astronomy and Astrophysics</i> , 2018, 609, A20.	2.1	13

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37	The ALHAMBRA survey: B -band luminosity function of quiescent and star-forming galaxies at $0.2 < z < 1$ by PDF analysis. <i>Astronomy and Astrophysics</i> , 2017, 599, A62.	2.1	17
38	A K -band-selected catalogue of objects in the ALHAMBRA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 464, 4331-4348.	1.6	5
39	VIMOS Ultra-Deep Survey (VUDS): IGM transmission towards galaxies with $2.5 < z < 5.5$ and the colour selection of high-redshift galaxies. <i>Astronomy and Astrophysics</i> , 2017, 597, A88.	2.1	23
40	ELDAR, a new method to identify AGN in multi-filter surveys: the ALHAMBRA test case. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017, 472, 2085-2106.	1.6	12
41	The VIMOS Ultra Deep Survey first data release: Spectra and spectroscopic redshifts of 698 objects up to $z_{\text{spec}} \sim 6$ in CANDELS. <i>Astronomy and Astrophysics</i> , 2017, 600, A110.	2.1	75
42	THE ALHAMBRA SURVEY: EVOLUTION OF GALAXY SPECTRAL SEGREGATION. <i>Astrophysical Journal</i> , 2016, 818, 174.	1.6	8
43	The Lyman continuum escape fraction of galaxies at $z = 3.3$ in the VUDS-LBC/COSMOS field. <i>Astronomy and Astrophysics</i> , 2016, 585, A48.	2.1	84
44	Effect of the star formation histories on the $\text{SFR} - M^*$ relation at $z \approx 2$. <i>Astronomy and Astrophysics</i> , 2016, 593, A9.	2.1	24
45	The VIMOS Ultra Deep Survey: $\text{Ly}\alpha$ emission and stellar populations of star-forming galaxies at $2 < z < 2.5$. <i>Astronomy and Astrophysics</i> , 2016, 588, A26.	2.1	39
46	An accurate cluster selection function for the J-PAS narrow-band wide-field survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 456, 4291-4304.	1.6	15
47	The ALHAMBRA survey: accurate merger fractions derived by PDF analysis of photometrically close pairs. <i>Astronomy and Astrophysics</i> , 2015, 576, A53.	2.1	35
48	High redshift galaxies in the ALHAMBRA survey. <i>Astronomy and Astrophysics</i> , 2015, 576, A25.	2.1	10
49	Galaxy clusters and groups in the ALHAMBRA survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 452, 549-565.	1.6	18
50	Evolution of clustering length, large-scale bias, and host halo mass at $2 < z < 5$ in the VIMOS Ultra Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2015, 583, A128.	2.1	30
51	The VIMOS Ultra-Deep Survey: $\sim 10^6$ galaxies with spectroscopic redshifts to study galaxy assembly at early epochs $2 < z < 6$. <i>Astronomy and Astrophysics</i> , 2015, 576, A79.	2.1	251
52	Extracting $H\alpha$ flux from photometric data in the J-PLUS survey. <i>Astronomy and Astrophysics</i> , 2015, 580, A47.	2.1	21
53	Stellar mass to halo mass relation from galaxy clustering in VUDS: a high star formation efficiency at $z \approx 3$. <i>Astronomy and Astrophysics</i> , 2015, 576, L7.	2.1	26
54	The evolving star formation rate: $M^* - \dot{M}^*$ relation and $s\text{SFR}$ since $z \approx 5$ from the VUDS spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2015, 581, A54.	2.1	142

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55	The impact from survey depth and resolution on the morphological classification of galaxies. Monthly Notices of the Royal Astronomical Society, 2015, 453, 1644-1668.	1.6	19
56	The VIMOS Ultra-Deep Survey (VUDS): fast increase in the fraction of strong Lyman- α emitters from $z=2$ to $z=6$. Astronomy and Astrophysics, 2015, 573, A24.	2.1	98
57	Stellar populations of galaxies in the ALHAMBRA survey up to $z \sim 1$. Astronomy and Astrophysics, 2015, 582, A14.	2.1	30
58	The ALHAMBRA survey: Estimation of the clustering signal encoded in the cosmic variance. Astronomy and Astrophysics, 2015, 582, A16.	2.1	10
59	The zCOSMOS redshift survey: evolution of the light in bulges and discs since $z \sim 0.8$. Astronomy and Astrophysics, 2014, 564, L12.	2.1	10
60	MASSIV: Mass Assembly Survey with SINFONI in VVDS. Astronomy and Astrophysics, 2014, 569, A64.	2.1	6
61	Evidence for major mergers of galaxies at $2 \times 10^2 < z < 4$ in the VVDS and VUDS surveys. Astronomy and Astrophysics, 2014, 565, A10.	2.1	47
62	The ALHAMBRA survey: An empirical estimation of the cosmic variance for merger fraction studies based on close pairs. Astronomy and Astrophysics, 2014, 564, A127.	2.1	15
63	The ALHAMBRA survey: evolution of galaxy clustering since $z \sim 1$. Monthly Notices of the Royal Astronomical Society, 2014, 441, 1783-1801.	1.6	23
64	J-PAS : Low-resolution ($R \sim 50$) spectroscopy covering 8000 deg^2 . Proceedings of the International Astronomical Union, 2014, 10, 29-30.	0.0	0
65	The ALHAMBRA Survey: Bayesian photometric redshifts with 23 bands for 3 deg^2 . Monthly Notices of the Royal Astronomical Society, 2014, 441, 2891-2922.	1.6	73
66	VIMOS Ultra-Deep Survey (VUDS): Witnessing the assembly of a massive cluster at $z \sim 3.3$. Astronomy and Astrophysics, 2014, 572, A41.	2.1	54
67	Discovering extremely compact and metal-poor, star-forming dwarf galaxies out to $z \sim 0.9$ in the VIMOS Ultra-Deep Survey. Astronomy and Astrophysics, 2014, 568, L8.	2.1	44
68	Discovery of a rich proto-cluster at $z=2.9$ and associated diffuse cold gas in the VIMOS Ultra-Deep Survey (VUDS). Astronomy and Astrophysics, 2014, 570, A16.	2.1	70
69	Mirage simulations of the massive sample. Proceedings of the International Astronomical Union, 2014, 10, 298-298.	0.0	0
70	Evolutionary paths among different red galaxy types at $0.3 < z < 1.5$ and the late buildup of massive E-SOs through major mergers. Monthly Notices of the Royal Astronomical Society, 2013, 428, 999-1019.	1.6	28
71	The merger history of massive spheroids since $z \sim 1$ is size-independent. Monthly Notices of the Royal Astronomical Society, 2013, 433, 60-68.	1.6	6
72	THE COLORS OF CENTRAL AND SATELLITE GALAXIES IN zCOSMOS OUT TO $z \sim 0.8$ AND IMPLICATIONS FOR QUENCHING. Astrophysical Journal, 2013, 769, 24.	1.6	48

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73	The ALHAMBRA survey: reliable morphological catalogue of 22051 early- and late-type galaxies. Monthly Notices of the Royal Astronomical Society, 2013, 435, 3444-3461.	1.6	26
74	Spot the difference. Astronomy and Astrophysics, 2013, 558, A61.	2.1	69
75	PROTO-GROUPS AT 1.8 <i>z</i> 3 IN THE zCOSMOS-DEEP SAMPLE. Astrophysical Journal, 2013, 765, 109.	1.6	48
76	Investigating the relationship between AGN activity and stellar mass in zCOSMOS galaxies at 0 z 1 using emission-line diagnostic diagrams. Astronomy and Astrophysics, 2013, 556, A114.	2.1	14
77	The VIMOS VLT Deep Survey. Astronomy and Astrophysics, 2013, 558, A135.	2.1	1
78	The VIMOS VLT Deep Survey final data release: a spectroscopic sample of 35016 galaxies and AGN out to z ~ 6.7 selected with 17.5 <math>AB</sub>24.75. Astronomy and Astrophysics, 2013, 559, A14.	2.1	289
79	MASSIV: Mass Assembly Survey with SINFONI in VVDS. Astronomy and Astrophysics, 2013, 553, A78.	2.1	58
80	X-Ray Groups of Galaxies at 0.5 1 in zCOSMOS: Increased AGN Activities in High Redshift Groups. Publication of the Astronomical Society of Japan, 2012, 64, .	1.0	15
81	Improved constraints on the expansion rate of the Universe up to $z \sim 1.1$ from the spectroscopic evolution of cosmic chronometers. Journal of Cosmology and Astroparticle Physics, 2012, 2012, 006-006.	1.9	581
82	The Observatorio Astrofsico de Javalambre: goals and current status. , 2012, , .		3
83	The dominant role of mergers in the size evolution of massive early-type galaxies since $z \sim 1$. Astronomy and Astrophysics, 2012, 548, A7.	2.1	116
84	THE zCOSMOS 20k GROUP CATALOG. Astrophysical Journal, 2012, 753, 121.	1.6	88
85	A journey from the outskirts to the cores of groups. Astronomy and Astrophysics, 2012, 539, A55.	2.1	35
86	The intriguing life of star-forming galaxies in the redshift range 1 z 2 using MASSIV. Proceedings of the International Astronomical Union, 2012, 8, 86-90.	0.0	0
87	Evolutionary paths among different red galaxy types at 0.3 z 1.5 and the build-up of massive E-SO's. Proceedings of the International Astronomical Union, 2012, 8, 176-176.	0.0	1
88	A GROUP-GALAXY CROSS-CORRELATION FUNCTION ANALYSIS IN zCOSMOS. Astrophysical Journal, 2012, 755, 48.	1.6	12
89	MASSIV: Mass Assembly Survey with SINFONI in VVDS. Astronomy and Astrophysics, 2012, 539, A92.	2.1	133
90	MASSIV: Mass Assembly Survey with SINFONI in VVDS. Astronomy and Astrophysics, 2012, 539, A93.	2.1	110

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91	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 539, A91.	2.1	66
92	UltraVISTA: a new ultra-deep near-infrared survey in COSMOS. <i>Astronomy and Astrophysics</i> , 2012, 544, A156.	2.1	596
93	The COSMOS density field: a reconstruction using both weak lensing and galaxy distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , 2012, 424, 553-563.	1.6	14
94	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 546, A118.	2.1	46
95	THE RADIAL AND AZIMUTHAL PROFILES OF Mg II ABSORPTION AROUND 0.5 z 0.9 zCOSMOS GALAXIES OF DIFFERENT COLORS, MASSES, AND ENVIRONMENTS. <i>Astrophysical Journal</i> , 2011, 743, 10.	1.6	245
96	The VIMOS VLT Deep Survey. <i>Astronomy and Astrophysics</i> , 2011, 530, A20.	2.1	62
97	The morphologies and masses of extremely red galaxies in the Groth Strip. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 414, 2246-2264.	1.6	4
98	The most recent burst of star formation in the massive elliptical galaxy NGC 1052. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2011, 411, L21-L25.	1.2	15
99	Spectro-photometric close pairs in GOODS-S: major and minor companions of intermediate-mass galaxies. <i>Astronomy and Astrophysics</i> , 2010, 518, A20.	2.1	27
100	On the buildup of massive early-type galaxies at <math>z < 1</math>. <i>Astronomy and Astrophysics</i> , 2010, 519, A55.	2.1	28
101	THE MINOR ROLE OF GAS-RICH MAJOR MERGERS IN THE RISE OF INTERMEDIATE-MASS EARLY TYPES AT $z \approx 1$. <i>Astrophysical Journal</i> , 2010, 710, 1170-1178.	1.6	36
102	ROBUST DETERMINATION OF THE MAJOR MERGER FRACTION AT $z = 0.6$ IN THE GROTH STRIP. <i>Astrophysical Journal</i> , 2009, 694, 643-653.	1.6	30
103	The Evolution of Passive Galaxies since $z=1$: Major Mergers vs Secular Processes. <i>Proceedings of the International Astronomical Union</i> , 2009, 5, 209-212.	0.0	0
104	The galaxy major merger fraction to $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2009, 501, 505-518.	2.1	68
105	A Maximum Likelihood Method for Bidimensional Experimental Distributions and Its Application to the Galaxy Merger Fraction. <i>Publications of the Astronomical Society of the Pacific</i> , 2008, 120, 571-582.	1.0	11