

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	UltraVISTA: a new ultra-deep near-infrared survey in COSMOS. <i>Astronomy and Astrophysics</i> , 2012, 544, A156.	2.1	596
2	Improved constraints on the expansion rate of the Universe up to $z \approx 1.1$ from the spectroscopic evolution of cosmic chronometers. <i>Journal of Cosmology and Astroparticle Physics</i> , 2012, 2012, 006-006.	1.9	581
3	The VIMOS VLT Deep Survey final data release: a spectroscopic sample of 35,016 galaxies and AGN out to $z \sim 6.7$ selected with $17.5 \leq AB_{24.75} \leq 24.75$. <i>Astronomy and Astrophysics</i> , 2013, 559, A14.	2.1	289
4	The VIMOS Ultra-Deep Survey: $\sim 10^6$ galaxies with spectroscopic redshifts to study galaxy assembly at early epochs $2 \leq z \leq 6$. <i>Astronomy and Astrophysics</i> , 2015, 576, A79.	2.1	251
5	THE RADIAL AND AZIMUTHAL PROFILES OF Mg II ABSORPTION AROUND $0.5 \leq z \leq 0.9$ zCOSMOS GALAXIES OF DIFFERENT COLORS, MASSES, AND ENVIRONMENTS. <i>Astrophysical Journal</i> , 2011, 743, 10.	1.6	245
6	The evolving star formation rate: M_{star} relation and sSFR since $z \approx 5$ from the VUDS spectroscopic survey. <i>Astronomy and Astrophysics</i> , 2015, 581, A54.	2.1	142
7	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 539, A92.	2.1	133
8	J-PLUS: The Javalambre Photometric Local Universe Survey. <i>Astronomy and Astrophysics</i> , 2019, 622, A176.	2.1	124
9	The dominant role of mergers in the size evolution of massive early-type galaxies since $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2012, 548, A7.	2.1	116
10	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 539, A93.	2.1	110
11	The VIMOS Ultra-Deep Survey (VUDS): fast increase in the fraction of strong Lyman- α emitters from $z = 2$ to $z = 6$. <i>Astronomy and Astrophysics</i> , 2015, 573, A24.	2.1	98
12	THE zCOSMOS 20k GROUP CATALOG. <i>Astrophysical Journal</i> , 2012, 753, 121.	1.6	88
13	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
14	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
15	The ALHAMBRA Survey: Bayesian photometric redshifts with 23 bands for $3^\circ \times 2^\circ$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 2891-2922.	1.6	73
16	Discovery of a rich proto-cluster at $z = 2.9$ and associated diffuse cold gas in the VIMOS Ultra-Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2014, 570, A16.	2.1	70
17	Spot the difference. <i>Astronomy and Astrophysics</i> , 2013, 558, A61.	2.1	69
18	The galaxy major merger fraction to $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2009, 501, 505-518.	2.1	68

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19	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 539, A91.	2.1	66
20	The VIMOS VLT Deep Survey. <i>Astronomy and Astrophysics</i> , 2011, 530, A20.	2.1	62
21	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2013, 553, A78.	2.1	58
22	VIMOS Ultra-Deep Survey (VUDS): Witnessing the assembly of a massive cluster at $z \sim 3.3$. <i>Astronomy and Astrophysics</i> , 2014, 572, A41.	2.1	54
23	The miniJPAS survey: A preview of the Universe in 56 colors. <i>Astronomy and Astrophysics</i> , 2021, 653, A31.	2.1	54
24	THE COLORS OF CENTRAL AND SATELLITE GALAXIES IN zCOSMOS OUT TO $z \approx 0.8$ AND IMPLICATIONS FOR QUENCHING. <i>Astrophysical Journal</i> , 2013, 769, 24.	1.6	48
25	PROTO-GROUPS AT $1.8 < z < 3$ IN THE zCOSMOS-DEEP SAMPLE. <i>Astrophysical Journal</i> , 2013, 765, 109.	1.6	48
26	Evidence for major mergers of galaxies at $2 \lesssim z \lesssim 4$ in the VVDS and VUDS surveys. <i>Astronomy and Astrophysics</i> , 2014, 565, A10.	2.1	47
27	MASSIV: Mass Assembly Survey with SINFONI in VVDS. <i>Astronomy and Astrophysics</i> , 2012, 546, A118.	2.1	46
28	Discovering extremely compact and metal-poor, star-forming dwarf galaxies out to $z \sim 0.9$ in the VIMOS Ultra-Deep Survey. <i>Astronomy and Astrophysics</i> , 2014, 568, L8.	2.1	44
29	The VIMOS Ultra Deep Survey: Ly α emission and stellar populations of star-forming galaxies at $2 \lesssim z \lesssim 2.5$. <i>Astronomy and Astrophysics</i> , 2016, 588, A26.	2.1	39
30	J-PLUS: Identification of low-metallicity stars with artificial neural networks using SPHINX. <i>Astronomy and Astrophysics</i> , 2019, 622, A182.	2.1	38
31	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
32	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
33	A journey from the outskirts to the cores of groups. <i>Astronomy and Astrophysics</i> , 2012, 539, A55.	2.1	35
34	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
35	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
36	J-PLUS: Analysis of the intracluster light in the Coma cluster. <i>Astronomy and Astrophysics</i> , 2019, 622, A183.	2.1	31

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37	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
38	Evolution of clustering length, large-scale bias, and host halo mass at $z < 5$ in the VIMOS Ultra Deep Survey (VUDS). <i>Astronomy and Astrophysics</i> , 2015, 583, A128.	2.1	30
39	Stellar populations of galaxies in the ALHAMBRA survey up to $z \sim 1$. <i>Astronomy and Astrophysics</i> , 2015, 582, A14.	2.1	30
40	On the buildup of massive early-type galaxies at $z < 1$. <i>Astronomy and Astrophysics</i> , 2010, 519, A55.	2.1	28
41	Evolutionary paths among different red galaxy types at $0.3 < z < 1.5$ and the late buildup of massive E-SOs through major mergers. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 428, 999-1019.	1.6	28
42	J-PLUS: Morphological star/galaxy classification by PDF analysis. <i>Astronomy and Astrophysics</i> , 2019, 622, A177.	2.1	28
43	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
44	The ALHAMBRA survey: reliable morphological catalogue of 22 051 early- and late-type galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2013, 435, 3444-3461.	1.6	26
45	Stellar mass to halo mass relation from galaxy clustering in VUDS: a high star formation efficiency at $z < 3$. <i>Astronomy and Astrophysics</i> , 2015, 576, L7.	2.1	26
46	The miniJPAS survey: star-galaxy classification using machine learning. <i>Astronomy and Astrophysics</i> , 2021, 645, A87.	2.1	26
47	Effect of the star formation histories on the $SFR-M$ relation at $z < 2$. <i>Astronomy and Astrophysics</i> , 2016, 593, A9.	2.1	24
48	The ALHAMBRA survey: evolution of galaxy clustering since $z \sim 1$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014, 441, 1783-1801.	1.6	23
49	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
50	The miniJPAS survey. <i>Astronomy and Astrophysics</i> , 2021, 649, A79.	2.1	22
51	Extracting $H\alpha$ flux from photometric data in the J-PLUS survey. <i>Astronomy and Astrophysics</i> , 2015, 580, A47.	2.1	21
52	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
53	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
54	The impact from survey depth and resolution on the morphological classification of galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015, 453, 1644-1668.	1.6	19

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55	Galaxy clusters and groups in the ALHAMBRA survey. Monthly Notices of the Royal Astronomical Society, 2015, 452, 549-565.	1.6	18
56	J-PLUS: Synthetic galaxy catalogues with emission lines for photometric surveys. Astronomy and Astrophysics, 2019, 631, A82.	2.1	18
57	J-PLUS: A wide-field multi-band study of the M 15 globular cluster. Astronomy and Astrophysics, 2019, 622, A179.	2.1	18
58	The ALHAMBRA survey: B -band luminosity function of quiescent and star-forming galaxies at $0.2 < z < 1$ by PDF analysis. Astronomy and Astrophysics, 2017, 599, A62.	2.1	17
59	J-PLUS: Measuring $H\alpha$ emission line fluxes in the nearby universe. Astronomy and Astrophysics, 2019, 622, A180.	2.1	17
60	J-PLUS: Two-dimensional analysis of the stellar population in NGC 5473 and NGC 5485. Astronomy and Astrophysics, 2019, 622, A181.	2.1	17
61	Stellar populations of galaxies in the ALHAMBRA survey up to $z \approx 1$. Astronomy and Astrophysics, 2019, 631, A156.	2.1	17
62	J-PLUS: Systematic impact of metallicity on photometric calibration with the stellar locus. Astronomy and Astrophysics, 2021, 654, A61.	2.1	17
63	J-PLUS: Spectral evolution of white dwarfs by PDF analysis. Astronomy and Astrophysics, 2022, 658, A79.	2.1	17
64	The most recent burst of star formation in the massive elliptical galaxy NGC 1052. Monthly Notices of the Royal Astronomical Society: Letters, 2011, 411, L21-L25.	1.2	15
65	X-Ray Groups of Galaxies at $0.5 < z < 1$ in zCOSMOS: Increased AGN Activities in High Redshift Groups. Publication of the Astronomical Society of Japan, 2012, 64, .	1.0	15
66	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
67	An accurate cluster selection function for the J-PAS narrow-band wide-field survey. Monthly Notices of the Royal Astronomical Society, 2016, 456, 4291-4304.	1.6	15
68	J-PAS: Measuring emission lines with artificial neural networks. Astronomy and Astrophysics, 2021, 647, A158.	2.1	15
69	The miniJPAS survey: Photometric redshift catalogue. Astronomy and Astrophysics, 2021, 654, A101.	2.1	15
70	The COSMOS density field: a reconstruction using both weak lensing and galaxy distributions. Monthly Notices of the Royal Astronomical Society, 2012, 424, 553-563.	1.6	14
71	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, A11. ¹⁴	2.1	14
72	J-PAS: forecasts on dark energy and modified gravity theories. Monthly Notices of the Royal Astronomical Society, 2020, 493, 3616-3631.	1.6	14

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73	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
74	Stellar populations of galaxies in the ALHAMBRA survey up to $z \approx 1$. <i>Astronomy and Astrophysics</i> , 2019, 631, A158.	2.1	13
75	A GROUP-GALAXY CROSS-CORRELATION FUNCTION ANALYSIS IN zCOSMOS. <i>Astrophysical Journal</i> , 2012, 755, 48.	1.6	12
76	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
77	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
78	J-PAS: forecasts for dark matter-dark energy elastic couplings. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 022.	1.9	12
79	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
80	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
81	J-PAS: forecasts on interacting vacuum energy models. <i>Journal of Cosmology and Astroparticle Physics</i> , 2021, 2021, 033.	1.9	11
82	The zCOSMOS redshift survey: evolution of the light in bulges and discs since $z \sim 0.8$. <i>Astronomy and Astrophysics</i> , 2014, 564, L12.	2.1	10
83	High redshift galaxies in the ALHAMBRA survey. <i>Astronomy and Astrophysics</i> , 2015, 576, A25.	2.1	10
84	The ALHAMBRA survey: Estimation of the clustering signal encoded in the cosmic variance. <i>Astronomy and Astrophysics</i> , 2015, 582, A16.	2.1	10
85	J-PLUS: Searching for very metal-poor star candidates using the SPEEM pipeline. <i>Astronomy and Astrophysics</i> , 2022, 657, A35.	2.1	10
86	High redshift galaxies in the ALHAMBRA survey. <i>Astronomy and Astrophysics</i> , 2018, 614, A129.	2.1	9
87	Stellar populations of galaxies in the ALHAMBRA survey up to $z \approx 1$. <i>Astronomy and Astrophysics</i> , 2019, 631, A157.	2.1	9
88	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
89	J-PLUS: Support vector machine applied to STAR-GALAXY-QSO classification. <i>Astronomy and Astrophysics</i> , 2022, 659, A144.	2.1	9
90	THE ALHAMBRA SURVEY: EVOLUTION OF GALAXY SPECTRAL SEGREGATION. <i>Astrophysical Journal</i> , 2016, 818, 174.	1.6	8

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91	The merger history of massive spheroids since $z \approx 1$ is size-independent. Monthly Notices of the Royal Astronomical Society, 2013, 433, 60-68.	1.6	6
92	MASSIV: Mass Assembly Survey with SINFONI in VVDS. Astronomy and Astrophysics, 2014, 569, A64.	2.1	6
93	J-PLUS: Discovery and characterisation of ultracool dwarfs using Virtual Observatory tools. Astronomy and Astrophysics, 2019, 627, A29.	2.1	6
94	J-PLUS: A first glimpse at the spectrophotometry of asteroids. Astronomy and Astrophysics, 2021, 655, A47.	2.1	6
95	A <i>K</i> -band-selected catalogue of objects in the ALHAMBRA survey. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4331-4348.	1.6	5
96	J-PLUS: Impact of bars on quenching timescales in nearby green valley disc galaxies. Astronomy and Astrophysics, 2019, 630, A88.	2.1	5
97	J-PLUS: Tools to identify compact planetary nebulae in the Javalambre and southern photometric local Universe surveys. Astronomy and Astrophysics, 2020, 633, A123.	2.1	5
98	The morphologies and masses of extremely red galaxies in the Groth Strip. Monthly Notices of the Royal Astronomical Society, 2011, 414, 2246-2264.	1.6	4
99	The Observatorio Astrofsico de Javalambre: goals and current status. , 2012, , .		3
100	Evolutionary paths among different red galaxy types at $0.3 < z < 1.5$ and the build-up of massive E-S0's. Proceedings of the International Astronomical Union, 2012, 8, 176-176.	0.0	1
101	The VIMOS VLT Deep Survey. Astronomy and Astrophysics, 2013, 558, A135.	2.1	1
102	The Evolution of Passive Galaxies since $z=1$: Major Mergers vs Secular Processes. Proceedings of the International Astronomical Union, 2009, 5, 209-212.	0.0	0
103	The intriguing life of star-forming galaxies in the redshift range $1 \lesssim z \lesssim 2$ using MASSIV. Proceedings of the International Astronomical Union, 2012, 8, 86-90.	0.0	0
104	J-PAS : Low-resolution (<i>R</i> ≈ 50) spectroscopy covering 8000 deg^2 . Proceedings of the International Astronomical Union, 2014, 10, 29-30.	0.0	0
105	Mirage simulations of the massiv sample. Proceedings of the International Astronomical Union, 2014, 10, 298-298.	0.0	0