Jorge Carretero Palacios

List of Publications by Citations

302 papers	10,865 citations	52 h-index	90 g-index
327 ext. papers	14,439 ext. citations	5 avg, IF	4.87 L-index

#	Paper	IF	Citations
302	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. *Physical Review D*, **2018**, 98,	4.9	522
301	The Dark Energy Survey: more than dark energy ☐an overview. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 1270-1299	4.3	457
300	A gravitational-wave standard siren measurement of the Hubble constant. *Nature*, **2017**, 551, 85-88	50.4	413
299	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. *Astrophysical Journal*, **2015**, 813, 109	4.7	329
298	The Dark Energy Survey: Data Release 1. *Astrophysical Journal, Supplement Series*, **2018**, 239, 18	8	313
297	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. *Physical Review D*, **2018**, 98,	4.9	300
296	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. *Astrophysical Journal Letters*, **2017**, 848, L16	7.9	295
295	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITHFERMI-LAT. *Astrophysical Journal*, **2017**, 834, 110	4.7	249
294	LOCALIZATION AND BROADBAND FOLLOW-UP OF THE GRAVITATIONAL-WAVE TRANSIENT GW150914. *Astrophysical Journal Letters*, **2016**, 826, L13	7.9	183
293	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. *Astrophysical Journal, Supplement Series*, **2018**, 235, 33	8	150
292	Stellar Streams Discovered in the Dark Energy Survey. *Astrophysical Journal*, **2018**, 862, 114	4.7	141
291	Dark Energy Survey Year 1 Results: A Precise H0 Estimate from DES Y1, BAO, and D/H Data. *Monthly Notices of the Royal Astronomical Society*, **2018**, 480, 3879-3888	4.3	136
290	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 592-610	4.3	118
289	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 1431-1450	4.3	118
288	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. *Astrophysical Journal Letters*, **2019**, 872, L30	7.9	113
287	Cosmology from cosmic shear with Dark Energy Survey Science Verification data. *Physical Review D*, **2016**, 94,	4.9	113
286	The DES Science Verification weak lensing shear catalogues. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 2245-2281	4.3	107

285	Dark Energy Survey Year 1 results: weak lensing shape catalogues. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 1149-1182	4.3	103
284	The MICE Grand Challenge lightcone simulation II. Halo and galaxy catalogues. *Monthly Notices of the Royal Astronomical Society*, **2015**, 453, 1513-1530	4.3	96
283	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. *Astrophysical Journal*, **2017**, 838, 8	4.7	93
282	First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. *Monthly Notices of the Royal Astronomical Society*, **2019**, 486, 2184-2196	4.3	93
281	Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1352-1378	4.3	93
280	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo Binary Black-hole Merger GW170814. *Astrophysical Journal Letters*, **2019**, 876, L7	7.9	91
279	Dark Energy Survey year 1 results: Constraints on extended cosmological models from galaxy clustering and weak lensing. *Physical Review D*, **2019**, 99,	4.9	89
278	Redshift distributions of galaxies in the Dark Energy Survey Science Verification shear catalogue and implications for weak lensing. *Physical Review D*, **2016**, 94,	4.9	89
277	Cosmology constraints from shear peak statistics in Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 463, 3653-3673	4.3	88
276	An algorithm to build mock galaxy catalogues using MICE simulations. *Monthly Notices of the Royal Astronomical Society*, **2015**, 447, 646-670	4.3	84
275	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408354. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 6072-6102	4.3	83
274	A nr-process Enhanced Star in the Dwarf Galaxy Tucana III. *Astrophysical Journal*, **2017**, 838, 44	4.7	81
273	CMB lensing tomography with the DES Science Verification galaxies. *Monthly Notices of the Royal Astronomical Society*, **2016**, 456, 3213-3244	4.3	79
272	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. *Physical Review D*, **2020**, 102,	4.9	77
271	Rapidly evolving transients in the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 894-917	4.3	77
270	Weak-lensing mass calibration of redMaPPer galaxy clusters in Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2017**, 469, 4899-4920	4.3	74
269	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. *Physical Review D*, **2018**, 98,	4.9	74
268	Euclid preparation. *Astronomy and Astrophysics*, **2020**, 642, A191	5.1	73

267 Cosmic shear measurements with Dark Energy Survey Science Verification data. *Physical Review D*, **2016**, 94, — 4.9 — 70

266 Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III. *Astrophysical Journal*, **2017**, 838, 11 — 4.7 — 66

265 Eight new luminous z ⩾ 6 quasars discovered via SED model fitting of VISTA, WISE and Dark Energy Survey Year 1 observations. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 4702-4718 — 4.3 — 66

264 Galaxy clustering, photometric redshifts and diagnosis of systematics in the DES Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 4301-4324 — 4.3 — 65

263 DES14X3taz: A TYPE I SUPERLUMINOUS SUPERNOVA SHOWING A LUMINOUS, RAPIDLY COOLING INITIAL PRE-PEAK BUMP. *Astrophysical Journal Letters*, **2016**, 818, L8 — 7.9 — 63

262 Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 4866-4883 — 4.3 — 63

261 Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 746-759 — 4.3 — 60

260 Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. *Astrophysical Journal*, **2018**, 854, 160 — 4.7 — 59

259 Survey geometry and the internal consistency of recent cosmic shear measurements. *Monthly Notices of the Royal Astronomical Society*, **2018**, 479, 4998-5004 — 4.3 — 58

258 Weak lensing by galaxy troughs in DES Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 455, 3367-3380 — 4.3 — 56

257 No galaxy left behind: accurate measurements with the faintest objects in the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2016**, 457, 786-808 — 4.3 — 56

256 The SPTpol Extended Cluster Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 25 — 8 — 56

255 VDES J2325−5229 a z= 2.7 gravitationally lensed quasar discovered using morphology-independent supervised machine learning. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 4325-4334 — 4.3 — 54

254 Dark Energy Survey Year 1 results: cross-correlation redshifts – methods and systematics characterization. *Monthly Notices of the Royal Astronomical Society*, **2018**, 477, 1664-1682 — 4.3 — 53

253 A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. *Astrophysical Journal Letters*, **2016**, 823, L33 — 7.9 — 53

252 Density split statistics: Cosmological constraints from counts and lensing in cells in DES Y1 and SDSS data. *Physical Review D*, **2018**, 98, — 4.9 — 53

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250 First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. *Astrophysical Journal*, **2019**, 874, 150 — 4.7 — 52

249	Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. *Astrophysical Journal*, **2020**, 893, 47	4.7	52
248	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4779-4800	4.3	51
247	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. *Physical Review Letters*, **2019**, 122, 171301	7.4	50
246	Forward Global Photometric Calibration of the Dark Energy Survey. *Astronomical Journal*, **2018**, 155, 41	4.9	50
245	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at 0.2. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 3072-3099	4.3	50
244	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. *Physical Review Letters*, **2021**, 126, 091101	7.4	49
243	nIFTy cosmology: comparison of galaxy formation models. *Monthly Notices of the Royal Astronomical Society*, **2015**, 451, 4029-4059	4.3	47
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241	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. *Astrophysical Journal*, **2018**, 864, 83	4.7	46
240	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift ~ 0.25. *Astrophysical Journal*, **2019**, 874, 165	4.7	45
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235	Milky Way Satellite Census. II. Galaxy-Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. *Astrophysical Journal*, **2020**, 893, 48	4.7	43
234	The First Tidally Disrupted Ultra-faint Dwarf Galaxy?: A Spectroscopic Analysis of the Tucana III Stream. *Astrophysical Journal*, **2018**, 866, 22	4.7	43
233	COSMOGRAIL: the COSmological MOnitoring of GRAvItational Lenses. *Astronomy and Astrophysics*, **2018**, 609, A71	5.1	43
232	How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. *Astrophysical Journal Letters*, **2018**, 852, L3	7.9	42

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230	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. *Physical Review D*, **2022**, 105,	4.9	40
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228	Density split statistics: Joint model of counts and lensing in cells. *Physical Review D*, **2018**, 98,	4.9	39
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223	THE PHOENIX STREAM: A COLD STREAM IN THE SOUTHERN HEMISPHERE. *Astrophysical Journal*, **2016**, 820, 58	4.7	38
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221	First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. *Monthly Notices of the Royal Astronomical Society*, **2019**, 485, 1171-1187	4.3	37
220	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. *Astrophysical Journal Letters*, **2017**, 849, L34	7.9	37
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217	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. *Astronomical Journal*, **2016**, 152, 154	4.9	36
216	An Extended Catalog of Galaxy–Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. *Astrophysical Journal, Supplement Series*, **2019**, 243, 17	8	34
215	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. *Astrophysical Journal*, **2019**, 874, 106	4.7	34
214	Finding high-redshift strong lenses in DES using convolutional neural networks. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 5330-5349	4.3	34

213	Discovery and Dynamical Analysis of an Extreme Trans-Neptunian Object with a High Orbital Inclination. *Astronomical Journal*, **2018**, 156, 81	4.9	34
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211	Dark Energy Survey Year 1 results: the impact of galaxy neighbours on weak lensing cosmology with im3shape. *Monthly Notices of the Royal Astronomical Society*, **2018**, 475, 4524-4543	4.3	33
210	The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations. *Astrophysical Journal, Supplement Series*, **2017**, 232, 15	8	33
209	Phenotypic redshifts with self-organizing maps: A novel method to characterize redshift distributions of source galaxies for weak lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 820-841	4.3	32
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207	A Search for Kilonovae in the Dark Energy Survey. *Astrophysical Journal*, **2017**, 837, 57	4.7	31
206	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2900-2918	4.3	31
205	Imprint of DES superstructures on the cosmic microwave background. *Monthly Notices of the Royal Astronomical Society*, **2017**, 465, 4166-4179	4.3	31
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203	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. *Astrophysical Journal*, **2018**, 862, 123	4.7	31
202	Discovery of the Lensed Quasar System DES J0408-5354. *Astrophysical Journal Letters*, **2017**, 838, L15	7.9	30
201	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. *Astrophysical Journal*, **2019**, 882, 177	4.7	30
200	Dark Energy Survey Year 1 results: constraints on intrinsic alignments and their colour dependence from galaxy clustering and weak lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 5453-5482	4.3	30
199	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2016 follow-up campaign . Overview and classification of candidates selected by two techniques. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 1041-1054	4.3	30
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190	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. *Monthly Notices of the Royal Astronomical Society*, **2018**, 479, 2871-2888	4.3	27
189	A new RASS galaxy cluster catalogue with low contamination extending to z ~ 1 in the DES overlap region. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 739-769	4.3	26
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182	A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. *Astrophysical Journal Letters*, **2020**, 900, L33	7.9	24
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175	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. *Astrophysical Journal*, **2019**, 872, 170	4.7	21
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170	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. *Astrophysical Journal*, **2018**, 854, 37	4.7	20
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167	Dark Energy Survey Year-1 results: galaxy mock catalogues for BAO. *Monthly Notices of the Royal Astronomical Society*, **2018**, 479, 94-110	4.3	19
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162	Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. *Monthly Notices of the Royal Astronomical Society*, **2020**, 493, 4591-4606	4.3	18
161	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. *Astronomical Journal*, **2016**, 151, 39	4.9	18
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156	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. *Astrophysical Journal, Supplement Series*, **2020**, 246, 16	8	17
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154	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA. *Astrophysical Journal*, **2016**, 827, 51	4.7	17
153	H0LiCOW X. Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI 2033☐4723. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 613-633	4.3	16
152	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. *Astrophysical Journal Letters*, **2019**, 875, L13	7.9	16
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