

# Juan Garcia-Bellido

## List of Publications by Citations

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421  
papers

17,921  
citations

67  
h-index

116  
g-index

441  
ext. papers

22,678  
ext. citations

5  
avg, IF

6.96  
L-index

#	Paper	IF	Citations
421	Cosmology and Fundamental Physics with the Euclid Satellite. <i>Living Reviews in Relativity</i> , <b>2013</b> , 16, 6	32.5	582
420	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	522
419	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. II. UV, Optical, and Near-infrared Light Curves and Comparison to Kilonova Models. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L17	7.9	468
418	Density perturbations and black hole formation in hybrid inflation. <i>Physical Review D</i> , <b>1996</b> , 54, 6040-6058	4.9	410
417	Cosmology and fundamental physics with the Euclid satellite. <i>Living Reviews in Relativity</i> , <b>2018</b> , 21, 2	32.5	366
416	Transforming gravity: From derivative couplings to matter to second-order scalar-tensor theories beyond the Horndeski Lagrangian. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	350
415	Dynamics of symmetry breaking and tachyonic preheating. <i>Physical Review Letters</i> , <b>2001</b> , 87, 011601	7.4	325
414	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 239, 18	8	313
413	The clustering of massive Primordial Black Holes as Dark Matter: Measuring their mass distribution with advanced LIGO. <i>Physics of the Dark Universe</i> , <b>2017</b> , 15, 142-147	4.4	302
412	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	300
411	The Electromagnetic Counterpart of the Binary Neutron Star Merger LIGO/Virgo GW170817. I. Discovery of the Optical Counterpart Using the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 848, L16	7.9	295
410	Black holes, gravitational waves and fundamental physics: a roadmap. <i>Classical and Quantum Gravity</i> , <b>2019</b> , 36, 143001	3.3	248
409	Preheating in the standard model with the Higgs inflaton coupled to gravity. <i>Physical Review D</i> , <b>2009</b> , 79,	4.9	233
408	Massive primordial black holes from hybrid inflation as dark matter and the seeds of galaxies. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	228
407	Gauge-invariant inflaton in the minimal supersymmetric standard model. <i>Physical Review Letters</i> , <b>2006</b> , 97, 191304	7.4	214
406	Science case for the Einstein telescope. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2020</b> , 2020, 050-050	6.5	213
405	Metric perturbations in two-field inflation. <i>Physical Review D</i> , <b>1996</b> , 53, 5437-5445	4.9	201

404	Primordial black holes from single field models of inflation. <i>Physics of the Dark Universe</i> , <b>2017</b> , 18, 47-54	4.4	192
403	Confronting Lemaitre–Tolman–Bondi models with observational cosmology. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2008</b> , 2008, 003	6.4	182
402	Inflationary scenarios from branes at angles. <i>Journal of High Energy Physics</i> , <b>2002</b> , 2002, 036-036	5.4	164
401	Science with the space-based interferometer LISA. IV: probing inflation with gravitational waves. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 026-026	6.4	162
400	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , <b>2018</b> , 235, 33	8	150
399	MSSM flat direction inflation: slow roll, stability, fine-tuning and reheating. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2007</b> , 2007, 019-019	6.4	145
398	Stochastic background of gravitational waves from hybrid preheating. <i>Physical Review Letters</i> , <b>2007</b> , 98, 061302	7.4	145
397	Gravitational wave background from reheating after hybrid inflation. <i>Physical Review D</i> , <b>2008</b> , 77,	4.9	143
396	Stellar Streams Discovered in the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 114	4.7	141
395	Dark Energy Survey Year 1 Results: A Precise H0 Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3879-3888	4.3	136
394	Higgs-dilaton cosmology: From the early to the late Universe. <i>Physical Review D</i> , <b>2011</b> , 84,	4.9	135
393	Gravitational wave signatures of inflationary models from Primordial Black Hole dark matter. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2017</b> , 2017, 013-013	6.4	134
392	Fluctuations of the gravitational constant in the inflationary Brans-Dicke cosmology. <i>Physical Review D</i> , <b>1994</b> , 50, 730-750	4.9	130
391	Nonequilibrium electroweak baryogenesis at preheating after inflation. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	126
390	Primordial black hole production in Critical Higgs Inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2018</b> , 776, 345-349	4.2	123
389	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 592-610	4.3	118
388	Cosmological effects of a class of fluid dark energy models. <i>Physical Review D</i> , <b>2003</b> , 68,	4.9	117
387	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 872, L30	7.9	113

- 386 Cosmology from cosmic shear with Dark Energy Survey Science Verification data. *Physical Review D*, **2016**, 94, 4.9 113
- 385 Gravitational waves at interferometer scales and primordial black holes in axion inflation. *Journal of Cosmology and Astroparticle Physics*, **2016**, 2016, 031-031 6.4 108
- 384 PRISM (Polarized Radiation Imaging and Spectroscopy Mission): an extended white paper. *Journal of Cosmology and Astroparticle Physics*, **2014**, 2014, 006-006 6.4 107
- 383 MEASURING BARYON ACOUSTIC OSCILLATIONS ALONG THE LINE OF SIGHT WITH PHOTOMETRIC REDSHIFTS: THE PAU SURVEY. *Astrophysical Journal*, **2009**, 691, 241-260 4.7 107
- 382 Preheating in hybrid inflation. *Physical Review D*, **1998**, 57, 6075-6088 4.9 107
- 381 Constraints from inflation on scalar-tensor gravity theories. *Physical Review D*, **1995**, 52, 6739-6749 4.9 106
- 380 Massive Primordial Black Holes as Dark Matter and their detection with Gravitational Waves. *Journal of Physics: Conference Series*, **2017**, 840, 012032 0.3 104
- 379 Dark Energy Survey Year 1 results: weak lensing shape catalogues. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 1149-1182 4.3 103
- 378 Scalar-tensor theories of gravity with  $\Phi$ -dependent masses. *Classical and Quantum Gravity*, **1992**, 9, 1371-1384 3.3 97
- 377 Looking the void in the eyes: the kinematic Sunyaev-Zeldovich effect in Lemaître-Tolman-Bondi models. *Journal of Cosmology and Astroparticle Physics*, **2008**, 2008, 016 6.4 96
- 376 Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. *Astrophysical Journal*, **2017**, 838, 8 4.7 93
- 375 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
- 374 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
- 373 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
- 372 Stationarity of inflation and predictions of quantum cosmology. *Physical Review D*, **1995**, 51, 429-443 4.9 91
- 371 Magnetic field production during preheating at the electroweak scale. *Physical Review Letters*, **2008**, 100, 241301 7.4 90
- 370 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
- 369 Symmetry breaking and false vacuum decay after hybrid inflation. *Physical Review D*, **2003**, 67, 4.9 85

368	Extended inflation in scalar-tensor theories of gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1990</b> , 243, 45-51	4.2	84
367	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J04085354. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 6072-6102	4.3	83
366	Anr-process Enhanced Star in the Dwarf Galaxy Tucana III. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 44	4.7	81
365	Seven hints for primordial black hole dark matter. <i>Physics of the Dark Universe</i> , <b>2018</b> , 22, 137-146	4.4	80
364	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	77
363	Gravitational waves from Abelian gauge fields and cosmic strings at preheating. <i>Physical Review D</i> , <b>2010</b> , 82,	4.9	77
362	Rapidly evolving transients in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 894-917	4.3	77
361	Testing modified gravity at cosmological distances with LISA standard sirens. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2019</b> , 2019, 024-024	6.4	75
360	Isocurvature bounds on axions revisited. <i>Physical Review D</i> , <b>2007</b> , 75,	4.9	75
359	Chern-Simons production during preheating in hybrid inflation models. <i>Physical Review D</i> , <b>2004</b> , 69,	4.9	75
358	Weak-lensing mass calibration of redMaPPer galaxy clusters in Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 4899-4920	4.3	74
357	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	74
356	Bounds on isocurvature perturbations from cosmic microwave background and large scale structure data. <i>Physical Review Letters</i> , <b>2003</b> , 91, 171301	7.4	71
355	Prospects for fundamental physics with LISA. <i>General Relativity and Gravitation</i> , <b>2020</b> , 52, 1	2.3	71
354	Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III. <i>Astrophysical Journal</i> , <b>2017</b> , 838, 11	4.7	66
353	Eight new luminous z 6 quasars discovered via SED model fitting of VISTA, WISE and Dark Energy Survey Year 1 observations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 4702-4718	4.3	66
352	Bayesian model selection and isocurvature perturbations. <i>Physical Review D</i> , <b>2005</b> , 71,	4.9	66
351	Is the Jeffreys' scale a reliable tool for Bayesian model comparison in cosmology?. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2013</b> , 2013, 036-036	6.4	65

350	Detecting the gravitational wave background from primordial black hole dark matter. <i>Physics of the Dark Universe</i> , <b>2017</b> , 18, 105-114	4.4	63
349	Dark Energy Survey Year 1 results: measurement of the baryon acoustic oscillation scale in the distribution of galaxies to redshift 1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 4866-4883	4.3	63
348	Cosmic voids and void lensing in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 746-759	4.3	60
347	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 160	4.7	59
346	Black Hole Astrophysics in AdS Braneworlds. <i>Journal of High Energy Physics</i> , <b>2003</b> , 2003, 079-079	5.4	59
345	Quantum diffusion beyond slow-roll: implications for primordial black-hole production. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 018-018	6.4	58
344	Survey geometry and the internal consistency of recent cosmic shear measurements. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4998-5004	4.3	58
343	nIFTy cosmology: Galaxy/halo mock catalogue comparison project on clustering statistics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 452, 686-700	4.3	57
342	A parametrization of the growth index of matter perturbations in various Dark Energy models and observational prospects using a Euclid-like survey. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2011</b> , 2011, 010-010	6.4	56
341	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 25	8	56
340	Decay of the standard model Higgs field after inflation. <i>Physical Review D</i> , <b>2015</b> , 92,	4.9	55
339	The radial BAO scale and cosmic shear, a new observable for inhomogeneous cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2009</b> , 2009, 028-028	6.4	54
338	Dark Energy Survey Year 1 results: cross-correlation redshifts [Methods and systematics characterization. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 1664-1682	4.3	53
337	Large-N running of the spectral index of inflation. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	53
336	Gravitational waves from self-ordering scalar fields. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2009</b> , 2009, 005-005	6.4	53
335	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 823, L33	7.9	53
334	Density split statistics: Cosmological constraints from counts and lensing in cells in DES Y1 and SDSS data. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	53
333	Dark Energy Survey year 1 results: Galaxy-galaxy lensing. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	53

332	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 150	4.7	52
331	Milky Way Satellite Census. I. The Observational Selection Function for Milky Way Satellites in DES Y3 and Pan-STARRS DR1. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 47	4.7	52
330	Exploring cosmic origins with CORE: Inflation. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 016-016	6.4	52
329	Bounds on cold dark matter and neutrino isocurvature perturbations from CMB and LSS data. <i>Physical Review D</i> , <b>2004</b> , 70,	4.9	52
328	Methods for cluster cosmology and application to the SDSS in preparation for DES Year 1 release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 4779-4800	4.3	51
327	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , <b>2019</b> , 122, 171301	7.4	50
326	Forward Global Photometric Calibration of the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2018</b> , 155, 41	4.9	50
325	Primordial magnetic fields from preheating at the electroweak scale. <i>Journal of High Energy Physics</i> , <b>2008</b> , 2008, 043-043	5.4	50
324	Baryon content in a sample of 91 galaxy clusters selected by the South Pole Telescope at 0.2 $\Omega$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 3072-3099	4.3	50
323	Particle production from symmetry breaking after inflation and leptogenesis. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2002</b> , 536, 193-202	4.2	49
322	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. <i>Physical Review Letters</i> , <b>2021</b> , 126, 091101	7.4	49
321	Homogeneity and isotropy in the Two Micron All Sky Survey Photometric Redshift catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 449, 670-684	4.3	48
320	nIFTy cosmology: comparison of galaxy formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 451, 4029-4059	4.3	47
319	Stationary solutions in Brans-Dicke stochastic inflationary cosmology. <i>Physical Review D</i> , <b>1995</b> , 52, 6730-6738	4.9	47
318	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 273-288	4.3	46
317	A new perspective on dark energy modeling via genetic algorithms. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2012</b> , 2012, 033-033	6.4	46
316	Squeezing the window on isocurvature modes with the Lyman- $\alpha$ Forest. <i>Physical Review D</i> , <b>2005</b> , 72,	4.9	46
315	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. <i>Astrophysical Journal</i> , <b>2018</b> , 864, 83	4.7	46

314	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift $\sim 0.25$ . <i>Astrophysical Journal</i> , <b>2019</b> , 874, 165	4.7	45
313	Tracing the sound horizon scale with photometric redshift surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2011</b> , 411, 277-288	4.3	45
312	Cosmic conundra explained by thermal history and primordial black holes. <i>Physics of the Dark Universe</i> , <b>2021</b> , 31, 100755	4.4	45
311	The exponential tail of inflationary fluctuations: consequences for primordial black holes. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2020</b> , 2020, 029-029	6.4	44
310	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3165-3190	4.3	44
309	The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev-Zeldovich Galaxy Clusters. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 253, 3	8	44
308	Three new VHSDES quasars at $z = 6.7$ – $6.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1874-1885	4.3	43
307	Milky Way Satellite Census. II. Galaxy Halo Connection Constraints Including the Impact of the Large Magellanic Cloud. <i>Astrophysical Journal</i> , <b>2020</b> , 893, 48	4.7	43
306	The First Tidally Disrupted Ultra-faint Dwarf Galaxy?: A Spectroscopic Analysis of the Tucana III Stream. <i>Astrophysical Journal</i> , <b>2018</b> , 866, 22	4.7	43
305	COSMOGRAIL: the COSmological MONitoring of GRAVitational Lenses. <i>Astronomy and Astrophysics</i> , <b>2018</b> , 609, A71	5.1	43
304	How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. <i>Astrophysical Journal Letters</i> , <b>2018</b> , 852, L3	7.9	42
303	Probing non-Gaussian stochastic gravitational wave backgrounds with LISA. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 034-034	6.4	42
302	Primordial black holes survive SN lensing constraints. <i>Physics of the Dark Universe</i> , <b>2018</b> , 20, 95-100	4.4	40
301	On the gravity theories and cosmology from strings. <i>Nuclear Physics B</i> , <b>1991</b> , 361, 713-728	2.8	40
300	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	40
299	Density split statistics: Joint model of counts and lensing in cells. <i>Physical Review D</i> , <b>2018</b> , 98,	4.9	39
298	Lyth bound of inflation with a tilt. <i>Physical Review D</i> , <b>2014</b> , 90,	4.9	39
297	Is every strong lens model unhappy in its own way? Uniform modelling of a sample of 13 quadruply+ imaged quasars. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 5649-5671	4.3	39



296	Tension in the void: cosmic rulers strain inhomogeneous cosmologies. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2012</b> , 2012, 009-009	6.4	38
295	Updating nucleosynthesis bounds on Jordan-Brans-Dicke theories of gravity. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1992</b> , 278, 94-96	4.2	38
294	Superluminous supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2215-2241	4.3	37
293	First cosmology results using Type Ia supernova from the Dark Energy Survey: simulations to correct supernova distance biases. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 1171-1187	4.3	37
292	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 849, L34	7.9	37
291	Nonperturbative production of matter and rapid thermalization after MSSM inflation. <i>Physical Review D</i> , <b>2011</b> , 83,	4.9	37
290	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 826, L29	7.9	37
289	Transfer learning for galaxy morphology from one survey to another. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 93-100	4.3	36
288	Updating the MACHO fraction of the Milky Way dark halowith improved mass models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 2889-2905	4.3	36
287	HALOGEN: a tool for fast generation of mock halo catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2015</b> , 450, 1856-1867	4.3	35
286	Jordan-Brans-Dicke quantum wormholes and Coleman's mechanism. <i>Nuclear Physics B</i> , <b>1993</b> , 400, 416-434	4.4	35
285	An Extended Catalog of GalaxyGalaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , <b>2019</b> , 243, 17	8	34
284	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , <b>2019</b> , 874, 106	4.7	34
283	Finding high-redshift strong lenses in DES using convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5330-5349	4.3	34
282	Constraints from microlensing experiments on clustered primordial black holes. <i>Physics of the Dark Universe</i> , <b>2018</b> , 19, 144-148	4.4	34
281	Discovery and Dynamical Analysis of an Extreme Trans-Neptunian Object with a High Orbital Inclination. <i>Astronomical Journal</i> , <b>2018</b> , 156, 81	4.9	34
280	HiggsDilaton cosmology: Are there extra relativistic species?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2012</b> , 718, 507-511	4.2	34
279	First cosmology results using type Ia supernovae from the Dark Energy Survey: the effect of host galaxy properties on supernova luminosity. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4426-4447	4.3	34

278	Dark Energy Survey Year 1 Results: calibration of redMaGiC redshift distributions in DES and SDSS from cross-correlations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2427-2443	4-3	34
277	Optimizing automatic morphological classification of galaxies with machine learning and deep learning using Dark Energy Survey imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 4209-4228	4-3	33
276	Dark Energy Survey Year 1 results: the impact of galaxy neighbours on weak lensing cosmology with im3shape. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 4524-4543	4-3	33
275	The DES Bright Arcs Survey: Hundreds of Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey Science Verification and Year 1 Observations. <i>Astrophysical Journal, Supplement Series</i> , <b>2017</b> , 232, 15	8	33
274	Spectrum of curvature perturbations from hybrid inflation. <i>Physical Review D</i> , <b>1996</b> , 54, 7181-7185	4-9	33
273	NUCLEOSYNTHESIS BOUNDS ON JORDAN-BRANS-DICKE THEORIES OF GRAVITY. <i>Modern Physics Letters A</i> , <b>1992</b> , 07, 447-456	1-3	33
272	Phenotypic redshifts with self-organizing maps: A novel method to characterize redshift distributions of source galaxies for weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 820-841	4-3	32
271	Large scale structure simulations of inhomogeneous Lemaître-Tolman-Bondi void models. <i>Physical Review D</i> , <b>2010</b> , 82,	4-9	32
270	Microwave background anisotropies and large scale structure constraints on isocurvature modes in a two-field model of inflation. <i>Journal of High Energy Physics</i> , <b>1999</b> , 1999, 015-015	5-4	32
269	Modelling the Tucana III stream $\bar{\Delta}$ close passage with the LMC. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4-3	32
268	A Search for Kilonovae in the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2017</b> , 837, 57	4-7	31
267	Measurement of the splashback feature around SZ-selected Galaxy clusters with DES, SPT, and ACT. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2900-2918	4-3	31
266	Imprint of DES superstructures on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 465, 4166-4179	4-3	31
265	Quasiopen inflation. <i>Physical Review D</i> , <b>1998</b> , 57, 4669-4685	4-9	31
264	Open universe Grishchuk-Zel'dovich effect. <i>Physical Review D</i> , <b>1995</b> , 52, 6750-6759	4-9	31
263	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2018</b> , 862, 123	4-7	31
262	Discovery of the Lensed Quasar System DES J0408-5354. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 838, L15	7-9	30
261	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. <i>Astrophysical Journal</i> , <b>2019</b> , 882, 177	4-7	30

260	Dark Energy Survey Year 1 results: constraints on intrinsic alignments and their colour dependence from galaxy clustering and weak lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5453-5482	4.3	30
259	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2016 follow-up campaign II. Overview and classification of candidates selected by two techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 1041-1054	4.3	30
258	DES meets Gaia: discovery of strongly lensed quasars from a multiplet search. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 4345-4354	4.3	30
257	Supervoids in the WISE+MASS catalogue imprinting cold spots in the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 455, 1246-1256	4.3	29
256	A stellar overdensity associated with the Small Magellanic Cloud. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 468, 1349-1360	4.3	29
255	ASTROPHYSICAL AND COSMOLOGICAL CONSTRAINTS ON A SCALE-DEPENDENT GRAVITATIONAL COUPLING. <i>International Journal of Modern Physics D</i> , <b>1996</b> , 05, 363-373	2.2	29
254	Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2578-2593	4.3	28
253	The PAU Survey: early demonstration of photometric redshift performance in the COSMOS field. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 4200-4215	4.3	28
252	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2017</b> , 129, 074503	5	27
251	Dark Energy Survey year 1 results: Joint analysis of galaxy clustering, galaxy lensing, and CMB lensing two-point functions. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	27
250	Fermion production during preheating after hybrid inflation. <i>Journal of High Energy Physics</i> , <b>2000</b> , 2000, 034-034	5.4	27
249	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 252, 18	8	27
248	Improving weak lensing mass map reconstructions using Gaussian and sparsity priors: application to DES SV. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 2871-2888	4.3	27
247	A new RASS galaxy cluster catalogue with low contamination extending to $z \sim 1$ in the DES overlap region. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 739-769	4.3	26
246	Chemical Abundance Analysis of Three Poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I. <i>Astrophysical Journal</i> , <b>2018</b> , 852, 99	4.7	26
245	Comparative analysis of model-independent methods for exploring the nature of dark energy. <i>Physical Review D</i> , <b>2013</b> , 88,	4.9	26
244	Metric perturbations from quantum tunneling in open inflation. <i>Physical Review D</i> , <b>1996</b> , 54, 2473-2482	4.9	26
243	A measurement of CMB cluster lensing with SPT and DES year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 2674-2688	4.3	25

242	Gravitational wave production from the decay of the standard model Higgs field after inflation. <i>Physical Review D</i> , <b>2016</b> , 93,	4.9	25
241	On the transverse-traceless projection in lattice simulations of gravitational wave production. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2011</b> , 2011, 015-015	6.4	25
240	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 4614-4635	4.3	25
239	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , <b>2017</b> , 839, L15	7.9	24
238	More out of less: an excess integrated Sachs-Wolfe signal from supervoids mapped out by the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 484, 5267-5277	4.3	24
237	Cosmic troublemakers: the Cold Spot, the Eridanus supervoid, and the Great Walls. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2016</b> , 462, 1882-1893	4.3	24
236	Jordan-Brans-Dicke stochastic inflation. <i>Nuclear Physics B</i> , <b>1994</b> , 423, 221-242	2.8	24
235	A Statistical Standard Siren Measurement of the Hubble Constant from the LIGO/Virgo Gravitational Wave Compact Object Merger GW190814 and Dark Energy Survey Galaxies. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 900, L33	7.9	24
234	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 254, 24	8	24
233	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V. <i>Astrophysical Journal</i> , <b>2020</b> , 892, 137	4.7	23
232	Dark Energy Survey Year 1 results: Methodology and projections for joint analysis of galaxy clustering, galaxy lensing, and CMB lensing two-point functions. <i>Physical Review D</i> , <b>2019</b> , 99,	4.9	23
231	Bayesian analysis of the spin distribution of LIGO/Virgo black holes. <i>Physics of the Dark Universe</i> , <b>2021</b> , 31, 100791	4.4	23
230	Towards the most general scalar-tensor theories of gravity: A unified approach in the language of differential forms. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	22
229	Can CMB data constrain the inflationary field range?. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2014</b> , 2014, 006-006	6.4	22
228	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. <i>Physical Review Letters</i> , <b>2021</b> , 126, 141301	7.4	22
227	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , <b>2021</b> , 255, 20	8	22
226	C iv black hole mass measurements with the Australian Dark Energy Survey (OzDES). <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 3650-3663	4.3	21
225	Mass Calibration of Optically Selected DES Clusters Using a Measurement of CMB-cluster Lensing with SPTpol Data. <i>Astrophysical Journal</i> , <b>2019</b> , 872, 170	4.7	21

224	On the relative bias of void tracers in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 2836-2852	4.3	21
223	nIFTy cosmology: the clustering consistency of galaxy formation models. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 469, 749-762	4.3	21
222	General relativity as an attractor in scalar-tensor stochastic inflation. <i>Physical Review D</i> , <b>1995</b> , 52, 5636-5642	4.2	21
221	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 19-35	4.3	21
220	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. <i>Astrophysical Journal</i> , <b>2018</b> , 854, 37	4.7	20
219	Search for RR Lyrae stars in DES ultrafaint systems: Grus $\square$ , Kim $\square$ , Phoenix $\square$ , and Grus $\square$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 2183-2199	4.3	20
218	A DARK ENERGY CAMERA SEARCH FOR MISSING SUPERGIANTS IN THE LMC AFTER THE ADVANCED LIGO GRAVITATIONAL-WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , <b>2016</b> , 823, L34	7.9	20
217	Dark Energy Survey Year-1 results: galaxy mock catalogues for BAO. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 479, 94-110	4.3	19
216	Dark Energy Survey Year 1 Results: Tomographic cross-correlations between Dark Energy Survey galaxies and CMB lensing from South Pole Telescope+Planck. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	19
215	The local B-polarization of the CMB: A very sensitive probe of cosmic defects. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>2011</b> , 695, 26-29	4.2	19
214	Stellar mass as a galaxy cluster mass proxy: application to the Dark Energy Survey redMaPPer clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 4591-4606	4.3	18
213	Field redefinitions in theories beyond Einstein gravity using the language of differential forms. <i>Physical Review D</i> , <b>2017</b> , 95,	4.9	18
212	Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4249-4277	4.3	18
211	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. <i>Astrophysical Journal</i> , <b>2019</b> , 881, 118	4.7	18
210	Cross-correlation redshift calibration without spectroscopic calibration samples in DES Science Verification Data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 477, 2196-2208	4.3	18
209	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2017</b> , 153, 107	4.9	17
208	Measuring the net circular polarization of the stochastic gravitational wave background with interferometers. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2020</b> , 2020, 028-028	6.4	17
207	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 246, 16	8	17

206	Open inflation models and gravitational wave anisotropies in the CMB. <i>Physical Review D</i> , <b>1997</b> , 56, 3225-3237	4.9	17
205	Open hybrid inflation. <i>Physical Review D</i> , <b>1997</b> , 55, 7480-7488	4.9	17
204	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 4312-4336	4.3	17
203	H0LiCOW IX. Spectroscopic/imaging survey and galaxy-group identification around the strong gravitational lens system WFI 20334-723. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 613-633	4.3	16
202	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 875, L13	7.9	16
201	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , <b>2020</b> , 247, 32	8	16
200	Weak lensing magnification in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 476, 1071-1085	4.3	16
199	Cosmological constraints on Higgs-dilaton inflation. <i>Physical Review D</i> , <b>2016</b> , 94,	4.9	16
198	Gravitational wave bursts from Primordial Black Hole hyperbolic encounters. <i>Physics of the Dark Universe</i> , <b>2017</b> , 18, 123-126	4.4	16
197	DARK MATTER WITH VARIABLE MASSES. <i>International Journal of Modern Physics D</i> , <b>1993</b> , 02, 85-95	2.2	16
196	Extended inflation from strings. <i>Nuclear Physics B</i> , <b>1992</b> , 368, 463-478	2.8	16
195	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2020</b> , 901, 83	4.7	16
194	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 4040-4060	4.3	16
193	Dark Energy Survey year 1 results: galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 2807-2822	4.3	16
192	The Clustering Dynamics of Primordial Black Boles in N-Body Simulations. <i>Universe</i> , <b>2021</b> , 7, 18	2.5	16
191	Star-galaxy classification in the Dark Energy Survey Y1 dataset. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4.3	16
190	Models of the strongly lensed quasar DES J04085-354. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4038-4050	4.3	15
189	A catalogue of structural and morphological measurements for DES Y1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 2018-2040	4.3	15

188	Constraints on the redshift evolution of astrophysical feedback with Sunyaev-Zel'dovich effect cross-correlations. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	15
187	Optimized clustering estimators for BAO measurements accounting for significant redshift uncertainty. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> , 472, 4456-4468	4.3	15
186	Blinding multiprobe cosmological experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 4454-4470	4.3	15
185	Dark Energy Survey Year 3 results: cosmology with moments of weak lensing mass maps $\square$ validation on simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 4060-4087	4.3	15
184	Gravitational wave energy emission and detection rates of Primordial Black Hole hyperbolic encounters. <i>Physics of the Dark Universe</i> , <b>2018</b> , 21, 61-69	4.4	15
183	Weak-lensing analysis of SPT-selected galaxy clusters using Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 69-87	4.3	14
182	Measuring the transition to homogeneity with photometric redshift surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2014</b> , 440, 10-23	4.3	14
181	Tilted hybrid inflation. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , <b>1997</b> , 398, 18-22	4.2	14
180	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 501, 1282-1299	4.3	14
179	Candidate massive galaxies at $z \sim 1.4$ in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 3060-3081	4.3	14
178	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	14
177	Dark Energy Survey Year 3 results: Optimizing the lens sample in a combined galaxy clustering and galaxy-galaxy lensing analysis. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	14
176	The Physics of the Accelerating Universe Camera. <i>Astronomical Journal</i> , <b>2019</b> , 157, 246	4.9	13
175	First cosmology results using Type IA supernovae from the dark energy survey: effects of chromatic corrections to supernova photometry on measurements of cosmological parameters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 485, 5329-5344	4.3	13
174	Dark Energy Survey Year 1 results: validation of weak lensing cluster member contamination estimates from P(z) decomposition. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 2511-2524	4.3	13
173	Producing a BOSS CMASS sample with DES imaging. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 2887-2906	4.3	13
172	Dark Energy Survey year 1 results: the relationship between mass and light around cosmic voids. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3573-3587	4.3	13
171	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to modeling uncertainty. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	13

170	Dynamical Classification of Trans-Neptunian Objects Detected by the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2020</b> , 159, 133	4.9	13
169	Primordial black holes from the QCD epoch: linking dark matter, baryogenesis, and anthropic selection. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 501, 1426-1439	4.3	13
168	The effect of environment on Type Ia supernovae in the Dark Energy Survey three-year cosmological sample. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 4861-4876	4.3	13
167	Dark Energy Survey Year 1 results: measurement of the galaxy angular power spectrum. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 3870-3883	4.3	12
166	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. <i>Astronomical Journal</i> , <b>2019</b> , 158, 16	4.9	12
165	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , <b>2019</b> , 873, L24	7.9	12
164	Brown dwarf census with the Dark Energy Survey year 3 data and the thin disc scale height of early L types. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 489, 5301-5325	4.3	12
163	Dark Energy Survey Year 3 results: Cosmology from cosmic shear and robustness to data calibration. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	12
162	Discovery of a Candidate Binary Supermassive Black Hole in a Periodic Quasar from Circumbinary Accretion Variability. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> ,	4.3	12
161	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 3491-3511	4.3	12
160	Evidence for color dichotomy in the primordial Neptunian Trojan population. <i>Icarus</i> , <b>2019</b> , 321, 426-435	3.8	12
159	The PAU Survey: an improved photo-z sample in the COSMOS field. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 6103-6122	4.3	12
158	Deep SOAR follow-up photometry of two Milky Way outer-halo companions discovered with Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 478, 2006-2018	4.3	12
157	DES science portal: Computing photometric redshifts. <i>Astronomy and Computing</i> , <b>2018</b> , 25, 58-80	2.4	12
156	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 487, 1363-1379	4.3	11
155	Precise measurement of the radial baryon acoustic oscillation scales in galaxy redshift surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2013</b> , 434, 2008-2019	4.3	11
154	Complete power spectrum for an induced gravity open inflation model. <i>Physical Review D</i> , <b>1997</b> , 55, 4603-4613	4.9	11
153	Inflaton-induced sphaleron transitions. <i>Journal of High Energy Physics</i> , <b>2000</b> , 2000, 017-017	5.4	11



152	Testing the Isotropy of the Dark Energy Survey's Extreme Trans-Neptunian Objects. <i>Planetary Science Journal</i> , <b>2020</b> , 1, 28	2.9	11
151	The impact of spectroscopic incompleteness in direct calibration of redshift distributions for weak lensing surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 4769-4786	4.3	11
150	Spectral variability of a sample of extreme variability quasars and implications for the Mg II broad-line region. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 5773-5787	4.3	11
149	The PAU survey: star/galaxy classification with multi narrow-band data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 483, 529-539	4.3	11
148	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 6010-6031	4.3	11
147	Dynamical Analysis of Three Distant Trans-Neptunian Objects with Similar Orbits. <i>Astronomical Journal</i> , <b>2018</b> , 156, 273	4.9	11
146	The PAU Survey: spectral features and galaxy clustering using simulated narrow-band photometry. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 481, 4221-4235	4.3	11
145	Unveiling the gravitational universe at GHz frequencies. <i>Experimental Astronomy</i> , 1	1.3	11
144	A joint SZ-X-ray/optical analysis of the dynamical state of 288 massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 705-725	4.3	10
143	Detection of Cross-Correlation between Gravitational Lensing and GRays. <i>Physical Review Letters</i> , <b>2020</b> , 124, 101102	7.4	10
142	UV-luminous, star-forming hosts of $z \sim 2$ reddened quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 475, 3682-3699	4.3	10
141	Dark Energy Survey Year 1 Results: Cross-correlation between Dark Energy Survey Y1 galaxy weak lensing and South Pole Telescope+Planck CMB weak lensing. <i>Physical Review D</i> , <b>2019</b> , 100,	4.9	10
140	Mass variance from archival X-ray properties of Dark Energy Survey Year-1 galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 3341-3354	4.3	10
139	DES15E2mlf: A Spectroscopically Confirmed Superluminous Supernova that Exploded 3.5 Gyr After the Big Bang. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2017</b> ,	4.3	10
138	Normalization of modes in an open universe. <i>Physical Review D</i> , <b>1997</b> , 55, 4596-4602	4.9	10
137	Exploring the early Universe with Gaia and Theia. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 023	6.4	10
136	First Cosmology Results using Supernovae Ia from the Dark Energy Survey: Survey Overview, Performance, and Supernova Spectroscopy. <i>Astronomical Journal</i> , <b>2020</b> , 160, 267	4.9	10
135	Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 501, 1300-1315	4.3	10

134	The PAU Survey: Photometric redshifts using transfer learning from simulations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 4565-4579	4.3	10
133	Assessing tension metrics with dark energy survey and Planck data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 6179-6194	4.3	10
132	Measuring linear and non-linear galaxy bias using counts-in-cells in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 482, 1435-1451	4.3	10
131	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2016 follow-up campaign III. New quasar lenses from double component fitting. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> ,	4.3	10
130	Steve: A Hierarchical Bayesian Model for Supernova Cosmology. <i>Astrophysical Journal</i> , <b>2019</b> , 876, 15	4.7	9
129	Reconstruction of the null-test for the matter density perturbations. <i>Physical Review D</i> , <b>2015</b> , 91,	4.9	9
128	Noise from undetected sources in Dark Energy Survey images. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 2529-2539	4.3	9
127	Halo abundances and shear in void models. <i>Physics of the Dark Universe</i> , <b>2012</b> , 1, 24-31	4.4	9
126	Complex structure moduli stability in toroidal compactifications. <i>Journal of High Energy Physics</i> , <b>2002</b> , 2002, 042-042	5.4	9
125	Dark Energy Survey Year 3 Results: Deep Field optical + near-infrared images and catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	9
124	Pushing automated morphological classifications to their limits with the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 1927-1943	4.3	9
123	No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects. <i>Planetary Science Journal</i> , <b>2021</b> , 2, 59	2.9	9
122	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 4626-4645	4.3	9
121	Dark energy survey internal consistency tests of the joint cosmological probes analysis with posterior predictive distributions. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 2688-2705	4.3	9
120	BAO from angular clustering: optimization and mitigation of theoretical systematics. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2018</b> , 480, 3031-3051	4.3	9
119	Dark energy survey year 3 results: Covariance modelling and its impact on parameter estimation and quality of fit. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	9
118	The PAU Survey: Operation and orchestration of multi-band survey data. <i>Astronomy and Computing</i> , <b>2019</b> , 27, 171-188	2.4	8
117	Cosmological constraints on nonadiabatic dark energy perturbations. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	8

116	Perturbation theory for modeling galaxy bias: Validation with simulations of the Dark Energy Survey. <i>Physical Review D</i> , <b>2020</b> , 102,	4.9	8
115	The Curious Case of PHL 293B: A Long-lived Transient in a Metal-poor Blue Compact Dwarf Galaxy. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 894, L5	7.9	8
114	Gravitational wave source counts at high redshift and in models with extra dimensions. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2016</b> , 2016, 021-021	6.4	8
113	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , <b>2019</b> , 123, 181301	7.4	8
112	Cosmic microwave background temperature and polarization anisotropies from the large-N limit of global defects. <i>Physical Review D</i> , <b>2014</b> , 89,	4.9	8
111	The PAU camera and the PAU survey at the William Herschel Telescope <b>2012</b> ,		8
110	Microwave background anisotropies in quasiopen inflation. <i>Physical Review D</i> , <b>1999</b> , 60,	4.9	8
109	Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis. <i>Astrophysical Journal</i> , <b>2020</b> , 897, 183	4.7	8
108	Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. <i>Astrophysical Journal</i> , <b>2020</b> , 900, 58	4.7	8
107	Dark Energy Survey Year 1 Results: Wide-field mass maps via forward fitting in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 493, 5662-5679	4.3	8
106	The first Hubble diagram and cosmological constraints using superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 2535-2549	4.3	8
105	Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 771-798	4.3	7
104	The host galaxies of 106 rapidly evolving transients discovered by the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 2575-2593	4.3	7
103	Monte Carlo control loops for cosmic shear cosmology with DES Year 1 data. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	7
102	Dark Energy Survey Year 3 Results: Clustering redshifts & calibration of the weak lensing source redshift distributions with redMaGiC and BOSS/eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	7
101	Dark Energy Survey Year 1 results: the lensing imprint of cosmic voids on the cosmic microwave background. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 500, 464-480	4.3	7
100	Candidate Periodically Variable Quasars from the Dark Energy Survey and the Sloan Digital Sky Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> ,	4.3	7
99	Modelling the Milky Way II. Method and first results fitting the thick disc and halo with DES-Y3 data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 497, 1547-1562	4.3	7

98	Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. <i>Astronomy and Computing</i> , <b>2020</b> , 33, 100425	2.4	7
97	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. <i>Astrophysical Journal</i> , <b>2021</b> , 911, 109	4.7	7
96	The PAU Survey: a forward modeling approach for narrow-band imaging. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2018</b> , 2018, 035-035	6.4	7
95	Black hole induced spins from hyperbolic encounters in dense clusters. <i>Physics of the Dark Universe</i> , <b>2021</b> , 34, 100882	4.4	7
94	DES Y1 results: Splitting growth and geometry to test $\Lambda$ CDM. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	7
93	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 495, 4860-4892	4.3	6
92	Galaxies in X-ray selected clusters and groups in Dark Energy Survey data II. Hierarchical Bayesian modelling of the red-sequence galaxy luminosity function. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 1-17	4.3	6
91	Phenomenological constraints on a scale-dependent gravitational coupling. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1996</b> , 48, 122-127		6
90	String effective actions and cosmological stability of scalar potentials. <i>Nuclear Physics B</i> , <b>1992</b> , 385, 558-570		6
89	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 258, 41	8	6
88	C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. <i>Astrophysical Journal Letters</i> , <b>2021</b> , 921, L37	7.9	6
87	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. <i>Astrophysical Journal</i> , <b>2019</b> , 883, 125	4.7	6
86	Constraints on dark matter to dark radiation conversion in the late universe with DES-Y1 and external data. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	6
85	Primordial black holes and the origin of the matter-antimatter asymmetry. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2019</b> , 377, 20190091	3	6
84	OzDES Reverberation Mapping Programme: the first Mg ii lags from 5 yr of monitoring. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 3771-3788	4.3	6
83	The Gravity Collective: A Search for the Electromagnetic Counterpart to the Neutron Star-Black Hole Merger GW190814. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 258	4.7	6
82	Dark Energy Survey Year 1 results: the effect of intracluster light on photometric redshifts for weak gravitational lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 488, 4389-4399	4.3	5
81	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to $z \sim 1$ . <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1705-1723	4.3	5

80	DES16C3cje: A low-luminosity, long-lived supernova. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 95-110	4.3	5
79	DES science portal: Creating science-ready catalogs. <i>Astronomy and Computing</i> , <b>2018</b> , 24, 52-69	2.4	5
78	20+ years of inflation. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>2003</b> , 114, 13-26		5
77	Supernova Siblings: Assessing the Consistency of Properties of Type Ia Supernovae that Share the Same Parent Galaxies. <i>Astrophysical Journal Letters</i> , <b>2020</b> , 896, L13	7.9	5
76	Consistency of cosmic shear analyses in harmonic and real space. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 3796-3817	4.3	5
75	Exploring the contamination of the DES-Y1 cluster sample with SPT-SZ selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 504, 1253-1272	4.3	5
74	Rates and delay times of type Ia supernovae in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	5
73	Probing the nature of black holes: Deep in the mHz gravitational-wave sky. <i>Experimental Astronomy</i> , <b>2021</b> , 51, 1385-1416	1.3	5
72	Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. <i>Astronomical Journal</i> , <b>2019</b> , 157, 120	4.9	4
71	Dark Energy Survey identification of a low-mass active galactic nucleus at redshift 0.823 from optical variability. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 3636-3647	4.3	4
70	Primordial Gravitational Waves from Inflation and Preheating. <i>Progress of Theoretical Physics Supplement</i> , <b>2011</b> , 190, 322-334		4
69	Dark Energy Survey Year 3 results: A 2.7% measurement of baryon acoustic oscillation distance scale at redshift 0.835. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	4
68	$\sigma_8$ masses: weak-lensing calibration of the Dark Energy Survey Year 1 redMaPPer clusters using stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 5450-5467	4.3	4
67	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 1308-1322	4.3	4
66	Galaxy morphological classification catalogue of the Dark Energy Survey Year 3 data with convolutional neural networks. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 507, 4425-4444	4.3	4
65	The PAU camera at the WHT <b>2016</b> ,		4
64	The WaZP galaxy cluster sample of the dark energy survey year 1. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 4435-4456	4.3	4
63	STRIDES: Spectroscopic and photometric characterization of the environment and effects of mass along the line of sight to the gravitational lenses DES J0408B354 and WGD 2038B008. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 498, 3241-3274	4.3	3

62	On simple analytic models of microlensing amplification statistics. <i>Physics of the Dark Universe</i> , <b>2020</b> , 29, 100567	4.4	3
61	Signatures of Higgs dilaton and critical Higgs inflation. <i>Philosophical Transactions Series A, Mathematical, Physical, and Engineering Sciences</i> , <b>2018</b> , 376,	3	3
60	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , <b>2020</b> , 903, 75	4.7	3
59	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
58	Machine Learning for Searching the Dark Energy Survey for Trans-Neptunian Objects. <i>Publications of the Astronomical Society of the Pacific</i> , <b>2021</b> , 133, 014501	5	3
57	The PAU Survey: narrow-band photometric redshifts using Gaussian processes. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 503, 4118-4135	4.3	3
56	The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 2819-2839	4.3	3
55	A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. <i>Astrophysical Journal</i> , <b>2021</b> , 916, 81	4.7	3
54	Searching for correlations in Gaia DR2 unbound star trajectories. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2019</b> , 490, 5647-5657	4.3	3
53	The PAU Survey: background light estimation with deep learning techniques. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 491, 5392-5405	4.3	3
52	A machine learning approach to galaxy properties: joint redshift and stellar mass probability distributions with Random Forest. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 502, 2770-2786	4.3	3
51	The PAU Survey: Intrinsic alignments and clustering of narrow-band photometric galaxies. <i>Astronomy and Astrophysics</i> , <b>2021</b> , 646, A147	5.1	3
50	Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. <i>Astrophysical Journal</i> , <b>2021</b> , 923, 37	4.7	3
49	Black Holes from the Beginning of Time. <i>Scientific American</i> , <b>2017</b> , 317, 38-43	0.5	2
48	The mystery of photometric twins DES17X1boj and DES16E2bjy. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 494, 5576-5589	4.3	2
47	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 496, 4051-4059	4.3	2
46	Entanglement entropy of primordial black holes after inflation. <i>Physical Review D</i> , <b>2020</b> , 101,	4.9	2
45	The PAU camera <b>2010</b> ,		2

44	MSSM or A-term Inflation. <i>AIP Conference Proceedings</i> , <b>2006</b> ,	0	2
43	Gamma photons from parametric resonance in neutron stars. <i>Physical Review D</i> , <b>1999</b> , 59,	4.9	2
42	Dark Energy Survey Year 3 results: marginalization over redshift distribution uncertainties using ranking of discrete realizations. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 511, 2170-2185	4.3	2
41	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 511, 2075-2104	4.3	2
40	Primordial Black Holes <b>2018</b> ,		2
39	Covariant formulation of non-equilibrium thermodynamics in General Relativity. <i>Physics of the Dark Universe</i> , <b>2021</b> , 34, 100893	4.4	2
38	Cosmic acceleration from first principles. <i>Physics of the Dark Universe</i> , <b>2021</b> , 34, 100892	4.4	2
37	The PAU survey: Ly $\alpha$ intensity mapping forecast. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 501, 3883-3899	4.3	2
36	Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. <i>Astronomical Journal</i> , <b>2021</b> , 162, 106	4.9	2
35	The Observed Evolution of the Stellar Mass Halo Mass Relation for Brightest Central Galaxies. <i>Astrophysical Journal</i> , <b>2022</b> , 928, 28	4.7	2
34	Primordial Black Holes and a Common Origin of Baryons and Dark Matter. <i>Universe</i> , <b>2022</b> , 8, 12	2.5	2
33	The DES view of the Eridanus supervoid and the CMB cold spot. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 510, 216-229	4.3	2
32	Lensing without borders II. A blind comparison of the amplitude of galaxy-galaxy lensing between independent imaging surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2022</b> , 510, 6150-6189	4.3	2
31	Reprint of "Evidence for color dichotomy in the primordial Neptunian Trojan population". <i>Icarus</i> , <b>2019</b> , 334, 79-88	3.8	1
30	A Supervoid Explanation of the Cosmic Microwave Background Cold Spot. <i>Proceedings of the International Astronomical Union</i> , <b>2014</b> , 10, 153-155	0.1	1
29	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 258, 15	8	1
28	The PAU survey: measurement of narrow-band galaxy properties with approximate bayesian computation. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 013	6.4	1
27	Dark Energy Survey Year 3 results: galaxy halo connection from galaxy-galaxy lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 509, 3119-3147	4.3	1

26	Dark energy survey year 3 results: Galaxy sample for BAO measurement. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	1
25	Increasing the census of ultracool dwarfs in wide binary and multiple systems using Dark Energy Survey DR1 and Gaia DR2 data. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2020</b> , 499, 5302-5317	4.3	1
24	Understanding the extreme luminosity of DES14X2fna. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 3950-3967	4.3	1
23	Galaxy clustering in harmonic space from the dark energy survey year 1 data: compatibility with real-space results. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 505, 5714-5724	4.3	1
22	The PAU survey: estimating galaxy photometry with deep learning. <i>Monthly Notices of the Royal Astronomical Society</i> , <b>2021</b> , 506, 4048-4069	4.3	1
21	Long-range enhanced mutual information from inflation. <i>Physical Review D</i> , <b>2021</b> , 103,	4.9	1
20	Testing Primordial Black Holes with multi-band observations of the stochastic gravitational wave background. <i>Journal of Cosmology and Astroparticle Physics</i> , <b>2021</b> , 2021, 012	6.4	1
19	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. <i>Astrophysical Journal</i> , <b>2022</b> , 929, 115	4.7	1
18	From the Fire: A Deeper Look at the Phoenix Stream. <i>Astrophysical Journal</i> , <b>2022</b> , 925, 118	4.7	0
17	Mass classification of dark matter perturbers of stellar tidal streams. <i>Physics of the Dark Universe</i> , <b>2022</b> , 100978	4.4	0
16	Search for black hole hyperbolic encounters with gravitational wave detectors. <i>Physics of the Dark Universe</i> , <b>2022</b> , 35, 100932	4.4	0
15	The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. <i>Astrophysical Journal, Supplement Series</i> , <b>2022</b> , 259, 27	8	0
14	The Evolution of AGN Activity in Brightest Cluster Galaxies. <i>Astronomical Journal</i> , <b>2022</b> , 163, 146	4.9	0
13	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. <i>Astrophysical Journal</i> , <b>2022</b> , 927, 109	4.7	0
12	The stochastic gravitational wave background from close hyperbolic encounters of primordial black holes in dense clusters. <i>Physics of the Dark Universe</i> , <b>2022</b> , 36, 101009	4.4	0
11	Dark Energy Survey Year 3 results: Cosmology from combined galaxy clustering and lensing validation on cosmological simulations. <i>Physical Review D</i> , <b>2022</b> , 105,	4.9	0
10	Open Inflation. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1996</b> , 48, 128-130		
9	First results from the MACRO experiment at the Gran Sasso Laboratory. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , <b>1991</b> , 19, 128-137		



- 8 On the closed bosonic string effective action. *Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics*, **1990**, 247, 280-288 4.2
- 7 Expediting DECam Multimessenger Counterpart Searches with Convolutional Neural Networks. *Astrophysical Journal*, **2022**, 925, 44 4.7
- 6 Coleman's mechanism in Jordan-Brans-Dicke gravity **1993**, 272-276
- 5 Quantum diffusion of planck mass and the evolution of the universe **1995**, 115-120
- 4 The Diffuse Light Envelope of Luminous Red Galaxies. *Research Notes of the AAS*, **2020**, 4, 174 0.8
- 3 Primordial Black Holes **2021**, 1-18
- 2 A GREAT model comparison against the cosmological constant. *Physics of the Dark Universe*, **2022**, 36, 101029 4.4
- 1 Primordial Black Holes **2022**, 1121-1138