Ramon Miquel

List of Publications by Year in Descending Order

209 papers	10,958 citations	53 h-index	98 g-index
213 ext. papers	13,490 ext. citations	5 avg, IF	4.63 L-index

#	Paper	IF	Citations
209	From the Fire: A Deeper Look at the Phoenix Stream. *Astrophysical Journal*, **2022**, 925, 118	4.7	0
208	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. *Astrophysical Journal, Supplement Series*, **2022**, 258, 15	8	1
207	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. *Physical Review D*, **2022**, 105,	4.9	40
206	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. *Astrophysical Journal, Supplement Series*, **2022**, 258, 41	8	6
205	The Dark Energy Survey Bright Arcs Survey: Candidate Strongly Lensed Galaxy Systems from the Dark Energy Survey 5000 Square Degree Footprint. *Astrophysical Journal, Supplement Series*, **2022**, 259, 27	8	0
204	The Observed Evolution of the Stellar Mass–Halo Mass Relation for Brightest Central Galaxies. *Astrophysical Journal*, **2022**, 928, 28	4.7	2
203	The Evolution of AGN Activity in Brightest Cluster Galaxies. *Astronomical Journal*, **2022**, 163, 146	4.9	0
202	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. *Astrophysical Journal*, **2022**, 927, 109	4.7	0
201	SOAR/Goodman Spectroscopic Assessment of Candidate Counterparts of the LIGO/Virgo Event GW190814*. *Astrophysical Journal*, **2022**, 929, 115	4.7	1
200	The PAU survey: measurement of narrow-band galaxy properties with approximate bayesian computation. *Journal of Cosmology and Astroparticle Physics*, **2021**, 2021, 013	6.4	1
199	C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. *Astrophysical Journal Letters*, **2021**, 921, L37	7.9	6
198	Machine Learning for Searching the Dark Energy Survey for Trans-Neptunian Objects. *Publications of the Astronomical Society of the Pacific*, **2021**, 133, 014501	5	3
197	The PAU survey: Ly α Intensity mapping forecast. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 3883-3899	4.3	2
196	Exploring the contamination of the DES-Y1 cluster sample with SPT-SZ selected clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 504, 1253-1272	4.3	5
195	Constraints on Dark Matter Properties from Observations of Milky Way Satellite Galaxies. *Physical Review Letters*, **2021**, 126, 091101	7.4	49
194	No Evidence for Orbital Clustering in the Extreme Trans-Neptunian Objects. *Planetary Science Journal*, **2021**, 2, 59	2.9	9
193	The PAU Survey: narrow-band photometric redshifts using Gaussian processes. *Monthly Notices of the Royal Astronomical Society*, **2021**, 503, 4118-4135	4.3	3

192   Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. *Astrophysical Journal*, **2021**, 911, 109   4.7   7

191   Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. *Physical Review Letters*, **2021**, 126, 141301   7.4   22

190   Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. *Astrophysical Journal, Supplement Series*, **2021**, 254, 24   8   24

189   The Dark Energy Survey supernova programme: modelling selection efficiency and observed core-collapse supernova contamination. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 2819-2839   4.3   3

188   Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. *Monthly Notices of the Royal Astronomical Society*, **2021**, 505, 4249-4277   4.3   18

187   The Dark Energy Survey Data Release 2. *Astrophysical Journal, Supplement Series*, **2021**, 255, 20   8   22

186   The PAU survey: estimating galaxy photometry with deep learning. *Monthly Notices of the Royal Astronomical Society*, **2021**, 506, 4048-4069   4.3   1

185   A Deeper Look at DES Dwarf Galaxy Candidates: Grus i and Indus ii. *Astrophysical Journal*, **2021**, 916, 81   4.7   3

184   The PAU Survey: an improved photo-z sample in the COSMOS field. *Monthly Notices of the Royal Astronomical Society*, **2021**, 501, 6103-6122   4.3   12

183   Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2021**, 252, 18   8   27

182   The PAU Survey: Intrinsic alignments and clustering of narrow-band photometric galaxies. *Astronomy and Astrophysics*, **2021**, 646, A147   5.1   3

181   Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. *Physical Review D*, **2021**, 103,   4.9   14

180   The WaZP galaxy cluster sample of the dark energy survey year 1. *Monthly Notices of the Royal Astronomical Society*, **2021**, 502, 4435-4456   4.3   4

179   The Atacama Cosmology Telescope: A Catalog of >4000 Sunyaev–Zel'dovich Galaxy Clusters. *Astrophysical Journal, Supplement Series*, **2021**, 253, 3   8   44

178   Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. *Astronomical Journal*, **2021**, 162, 106   4.9   2

177   The mass and galaxy distribution around SZ-selected clusters. *Monthly Notices of the Royal Astronomical Society*, **2021**, 507, 5758-5779   4.3   2

176   DES Y1 results: Splitting growth and geometry to test ΛCDM. *Physical Review D*, **2021**, 103,   4.9   7

175   Probing Galaxy Evolution in Massive Clusters Using ACT and DES: Splashback as a Cosmic Clock. *Astrophysical Journal*, **2021**, 923, 37   4.7   3

174	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
173	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408-5354. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 6072-6102	4.3	83
172	The Curious Case of PHL 293B: A Long-lived Transient in a Metal-poor Blue Compact Dwarf Galaxy. *Astrophysical Journal Letters*, **2020**, 894, L5	7.9	8
171	Constraining radio mode feedback in galaxy clusters with the cluster radio AGNs properties to z≈ 1. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 1705-1723	4.3	5
170	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V. *Astrophysical Journal*, **2020**, 892, 137	4.7	23
169	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2020**, 495, 4860-4892	4.3	6
168	Trans-Neptunian Objects Found in the First Four Years of the Dark Energy Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 32	8	16
167	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. *Physical Review D*, **2020**, 102,	4.9	77
166	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping in the DES Standard-star Fields. *Astrophysical Journal, Supplement Series*, **2020**, 246, 16	8	17
165	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
164	The Diffuse Light Envelope of Luminous Red Galaxies. *Research Notes of the AAS*, **2020**, 4, 174	0.8	
163	Dynamical Classification of Trans-Neptunian Objects Detected by the Dark Energy Survey. *Astronomical Journal*, **2020**, 159, 133	4.9	13
162	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
161	Chemical Analysis of the Ultrafaint Dwarf Galaxy Grus II. Signature of High-mass Stellar Nucleosynthesis. *Astrophysical Journal*, **2020**, 897, 183	4.7	8
160	Dust Reverberation Mapping in Distant Quasars from Optical and Mid-infrared Imaging Surveys. *Astrophysical Journal*, **2020**, 900, 58	4.7	8
159	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. *Astrophysical Journal*, **2020**, 901, 83	4.7	16
158	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. *Astrophysical Journal*, **2020**, 903, 75	4.7	3
157	The SPTpol Extended Cluster Survey. *Astrophysical Journal, Supplement Series*, **2020**, 247, 25	8	56

156	Supernova Siblings: Assessing the Consistency of Properties of Type Ia Supernovae that Share the Same Parent Galaxies. *Astrophysical Journal Letters*, **2020**, 896, L13	7.9	5
155	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
154	Dark Energy Survey year 3 results: point spread function modelling. *Monthly Notices of the Royal Astronomical Society*, **2020**, 501, 1282-1299	4.3	14
153	Is diffuse intracluster light a good tracer of the galaxy cluster matter distribution?. *Monthly Notices of the Royal Astronomical Society*, **2020**, 501, 1300-1315	4.3	10
152	Modelling the Milky Way ⬛. Method and first results fitting the thick disc and halo with DES-Y3 data. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 1547-1562	4.3	7
151	The STRong lensing Insights into the Dark Energy Survey (STRIDES) 2017/2018 follow-up campaign: discovery of 10 lensed quasars and 10 quasar pairs. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 3491-3511	4.3	12
150	The PAU Survey: Photometric redshifts using transfer learning from simulations. *Monthly Notices of the Royal Astronomical Society*, **2020**, 497, 4565-4579	4.3	10
149	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. *Monthly Notices of the Royal Astronomical Society*, **2020**, 496, 19-35	4.3	21
148	Optical follow-up of gravitational wave triggers with DECam during the first two LIGO/VIRGO observing runs. *Astronomy and Computing*, **2020**, 33, 100425	2.4	7
147	⬛ masses: weak-lensing calibration of the Dark Energy Survey Year 1 redMaPPer clusters using stellar masses. *Monthly Notices of the Royal Astronomical Society*, **2020**, 498, 5450-5467	4.3	4
146	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. *Monthly Notices of the Royal Astronomical Society*, **2020**, 494, 1308-1322	4.3	4
145	The PAU Survey: background light estimation with deep learning techniques. *Monthly Notices of the Royal Astronomical Society*, **2020**, 491, 5392-5405	4.3	3
144	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
143	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
142	Dark Energy Survey Year 1 results: the effect of intracluster light on photometric redshifts for weak gravitational lensing. *Monthly Notices of the Royal Astronomical Society*, **2019**, 488, 4389-4399	4.3	5
141	The Physics of the Accelerating Universe Camera. *Astronomical Journal*, **2019**, 157, 246	4.9	13
140	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
139	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

138	Dark Energy Surveyed Year 1 results: calibration of cluster mis-centring in the redMaPPer catalogues. *Monthly Notices of the Royal Astronomical Society*, **2019**, 487, 2578-2593	4.3	28
137	Identification of RR Lyrae Stars in Multiband, Sparsely Sampled Data from the Dark Energy Survey Using Template Fitting and Random Forest Classification. *Astronomical Journal*, **2019**, 158, 16	4.9	12
136	Steve: A Hierarchical Bayesian Model for Supernova Cosmology. *Astrophysical Journal*, **2019**, 876, 15	4.7	9
135	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
134	Rediscovery of the Sixth Star Cluster in the Fornax Dwarf Spheroidal Galaxy. *Astrophysical Journal Letters*, **2019**, 875, L13	7.9	16
133	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
132	Dark Energy Survey Year 1 Results: Detection of Intracluster Light at Redshift ~ 0.25. *Astrophysical Journal*, **2019**, 874, 165	4.7	45
131	Astrometry and Occultation Predictions to Trans-Neptunian and Centaur Objects Observed within the Dark Energy Survey. *Astronomical Journal*, **2019**, 157, 120	4.9	4
130	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
129	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
128	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. *Physical Review Letters*, **2019**, 122, 171301	7.4	50
127	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
126	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
125	First Cosmology Results Using SNe Ia from the Dark Energy Survey: Analysis, Systematic Uncertainties, and Validation. *Astrophysical Journal*, **2019**, 874, 150	4.7	52
124	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
123	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. *Astrophysical Journal Letters*, **2019**, 873, L24	7.9	12
122	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
121	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

120	Dark Energy Survey Year 1 results: validation of weak lensing cluster member contamination estimates from P(z) decomposition. *Monthly Notices of the Royal Astronomical Society*, **2019**, 489, 2511-2524	4.3	13
119	Search for RR Lyrae stars in DES ultrafaint systems: Grus I, Kim 2, Phoenix II, and Grus II. *Monthly Notices of the Royal Astronomical Society*, **2019**, 490, 2183-2199	4.3	20
118	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. *Physical Review Letters*, **2019**, 123, 181301	7.4	8
117	Chemical Abundance Analysis of Tucana III, the Second r-process Enhanced Ultra-faint Dwarf Galaxy. *Astrophysical Journal*, **2019**, 882, 177	4.7	30
116	A DECam Search for Explosive Optical Transients Associated with IceCube Neutrino Alerts. *Astrophysical Journal*, **2019**, 883, 125	4.7	6
115	The PAU Survey: early demonstration of photometric redshift performance in the COSMOS field. *Monthly Notices of the Royal Astronomical Society*, **2019**, 484, 4200-4215	4.3	28
114	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. *Astrophysical Journal*, **2019**, 881, 118	4.7	18
113	Evidence for color dichotomy in the primordial Neptunian Trojan population. *Icarus*, **2019**, 321, 426-435	3.8	12
112	The PAU survey: star galaxy classification with multi narrow-band data. *Monthly Notices of the Royal Astronomical Society*, **2019**, 483, 529-539	4.3	11
111	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
110	Measuring linear and non-linear galaxy bias using counts-in-cells in the Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2019**, 482, 1435-1451	4.3	10
109	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. *Astrophysical Journal, Supplement Series*, **2018**, 235, 33	8	150
108	Studying the Ultraviolet Spectrum of the First Spectroscopically Confirmed Supernova at Redshift Two. *Astrophysical Journal*, **2018**, 854, 37	4.7	20
107	Chemical Abundance Analysis of Three poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I. *Astrophysical Journal*, **2018**, 852, 99	4.7	26
106	How Many Kilonovae Can Be Found in Past, Present, and Future Survey Data Sets?. *Astrophysical Journal Letters*, **2018**, 852, L3	7.9	42
105	Forward Global Photometric Calibration of the Dark Energy Survey. *Astronomical Journal*, **2018**, 155, 41	4.9	50
104	A measurement of CMB cluster lensing with SPT and DES year 1 data. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 2674-2688	4.3	25
103	Weak lensing magnification in the Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2018**, 476, 1071-1085	4.3	16

102	A catalogue of structural and morphological measurements for DES Y1. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 2018-2040	4.3	15
101	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
100	Discovery and Dynamical Analysis of an Extreme Trans-Neptunian Object with a High Orbital Inclination. *Astronomical Journal*, **2018**, 156, 81	4.9	34
99	Stellar Streams Discovered in the Dark Energy Survey. *Astrophysical Journal*, **2018**, 862, 114	4.7	141
98	Dark Energy Survey year 1 results: Cosmological constraints from galaxy clustering and weak lensing. *Physical Review D*, **2018**, 98,	4.9	522
97	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. *Physical Review D*, **2018**, 98,	4.9	300
96	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
95	Quasar Accretion Disk Sizes from Continuum Reverberation Mapping from the Dark Energy Survey. *Astrophysical Journal*, **2018**, 862, 123	4.7	31
94	The Dark Energy Survey: Data Release 1. *Astrophysical Journal, Supplement Series*, **2018**, 239, 18	8	313
93	The PAU Survey: a forward modeling approach for narrow-band imaging. *Journal of Cosmology and Astroparticle Physics*, **2018**, 2018, 035-035	6.4	7
92	Dynamical Analysis of Three Distant Trans-Neptunian Objects with Similar Orbits. *Astronomical Journal*, **2018**, 156, 273	4.9	11
91	Modelling the Tucana III stream a close passage with the LMC. *Monthly Notices of the Royal Astronomical Society*, **2018**,	4.3	32
90	The First Tidally Disrupted Ultra-faint Dwarf Galaxy?: A Spectroscopic Analysis of the Tucana III Stream. *Astrophysical Journal*, **2018**, 866, 22	4.7	43
89	Star-galaxy classification in the Dark Energy Survey Y1 dataset. *Monthly Notices of the Royal Astronomical Society*, **2018**,	4.3	16
88	Deep SOAR follow-up photometry of two Milky Way outer-halo companions discovered with Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2018**, 478, 2006-2018	4.3	12
87	Dark Energy Survey Year 1 results: weak lensing shape catalogues. *Monthly Notices of the Royal Astronomical Society*, **2018**, 481, 1149-1182	4.3	103
86	The Splashback Feature around DES Galaxy Clusters: Galaxy Density and Weak Lensing Profiles. *Astrophysical Journal*, **2018**, 864, 83	4.7	46
85	The Data Release of the Sloan Digital Sky Survey-II Supernova Survey. *Publications of the Astronomical Society of the Pacific*, **2018**, 130, 064002	5	68

84	Dark Energy Survey year 1 results: Galaxy clustering for combined probes. *Physical Review D*, **2018**, 98,	4.9	74
83	Galaxy bias from galaxy‑galaxy lensing in the DES science verification data. *Monthly Notices of the Royal Astronomical Society*, **2018**, 473, 1667-1684	4.3	12
82	SEARCHING FOR DARK MATTER ANNIHILATION IN RECENTLY DISCOVERED MILKY WAY SATELLITES WITHFERMI-LAT. *Astrophysical Journal*, **2017**, 834, 110	4.7	249
81	A Search for Kilonovae in the Dark Energy Survey. *Astrophysical Journal*, **2017**, 837, 57	4.7	31
80	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. *Astrophysical Journal Letters*, **2017**, 839, L15	7.9	24
79	A Study of Quasar Selection in the Supernova Fields of the Dark Energy Survey. *Astronomical Journal*, **2017**, 153, 107	4.9	17
78	Astrometric Calibration and Performance of the Dark Energy Camera. *Publications of the Astronomical Society of the Pacific*, **2017**, 129, 074503	5	27
77	Anr-process Enhanced Star in the Dwarf Galaxy Tucana III. *Astrophysical Journal*, **2017**, 838, 44	4.7	81
76	Nearest Neighbor: The Low-mass Milky Way Satellite Tucana III. *Astrophysical Journal*, **2017**, 838, 11	4.7	66
75	Farthest Neighbor: The Distant Milky Way Satellite Eridanus II. *Astrophysical Journal*, **2017**, 838, 8	4.7	93
74	Discovery of the Lensed Quasar System DES J0408-5354. *Astrophysical Journal Letters*, **2017**, 838, L15	7.9	30
73	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. *Astrophysical Journal Letters*, **2017**, 848, L17	7.9	468
72	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
71	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
70	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
69	The Dark Energy Survey view of the Sagittarius stream: discovery of two faint stellar system candidates. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 97-108	4.3	31
68	Evidence for Dynamically Driven Formation of the GW170817 Neutron Star Binary in NGC 4993. *Astrophysical Journal Letters*, **2017**, 849, L34	7.9	37
67	Optical‑SZE scaling relations for DES optically selected clusters within the SPT-SZ Survey. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 3347-3360	4.3	13

66	Core or Cusps: The Central Dark Matter Profile of a Strong Lensing Cluster with a Bright Central Image at Redshift 1. *Astrophysical Journal*, **2017**, 843, 148	4.7	12
65	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
64	OzDES multifibre spectroscopy for the Dark Energy Survey: 3-yr results and first data release. *Monthly Notices of the Royal Astronomical Society*, **2017**, 472, 273-288	4.3	46
63	A stellar overdensity associated with the Small Magellanic Cloud. *Monthly Notices of the Royal Astronomical Society*, **2017**, 468, 1349-1360	4.3	29
62	Detection of the kinematic Sunyaev–Zel'dovich effect with DES Year 1 and SPT. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 3172-3193	4.3	68
61	The DES Science Verification weak lensing shear catalogues. *Monthly Notices of the Royal Astronomical Society*, **2016**, 460, 2245-2281	4.3	107
60	Joint measurement of lensing–galaxy correlations using SPT and DES SV data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 461, 4099-4114	4.3	40
59	HOST GALAXY IDENTIFICATION FOR SUPERNOVA SURVEYS. *Astronomical Journal*, **2016**, 152, 154	4.9	36
58	GALAXIES IN X-RAY SELECTED CLUSTERS AND GROUPS IN DARK ENERGY SURVEY DATA. I. STELLAR MASS GROWTH OF BRIGHT CENTRAL GALAXIES SINCE$z \sim 1.2$. *Astrophysical Journal*, **2016**, 816, 98	4.7	39
57	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
56	Digging deeper into the Southern skies: a compact Milky Way companion discovered in first-year Dark Energy Survey data. *Monthly Notices of the Royal Astronomical Society*, **2016**, 458, 603-612	4.3	45
55	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. *Astronomical Journal*, **2016**, 151, 39	4.9	18
54	CMB lensing tomography with the DES Science Verification galaxies. *Monthly Notices of the Royal Astronomical Society*, **2016**, 456, 3213-3244	4.3	79
53	THE PHOENIX STREAM: A COLD STREAM IN THE SOUTHERN HEMISPHERE. *Astrophysical Journal*, **2016**, 820, 58	4.7	38
52	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
51	The PAU camera at the WHT **2016**,		4
50	ASSESSMENT OF SYSTEMATIC CHROMATIC ERRORS THAT IMPACT SUB-1% PHOTOMETRIC PRECISION IN LARGE-AREA SKY SURVEYS. *Astronomical Journal*, **2016**, 151, 157	4.9	21
49	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

48	THE REDMAPPER GALAXY CLUSTER CATALOG FROM DES SCIENCE VERIFICATION DATA. *Astrophysical Journal, Supplement Series*, **2016**, 224, 1	8	176
47	OBSERVATION AND CONFIRMATION OF SIX STRONG-LENSING SYSTEMS IN THE DARK ENERGY SURVEY SCIENCE VERIFICATION DATA. *Astrophysical Journal*, **2016**, 827, 51	4.7	17
46	A DECAM SEARCH FOR AN OPTICAL COUNTERPART TO THE LIGO GRAVITATIONAL-WAVE EVENT GW151226. *Astrophysical Journal Letters*, **2016**, 826, L29	7.9	37
45	Mass and galaxy distributions of four massive galaxy clusters from Dark Energy Survey Science Verification data. *Monthly Notices of the Royal Astronomical Society*, **2015**, 449, 2219-2238	4.3	51
44	DES13S2cmm: the first superluminous supernova from the Dark Energy Survey. *Monthly Notices of the Royal Astronomical Society*, **2015**, 449, 1215-1227	4.3	50
43	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. *Astrophysical Journal*, **2015**, 808, 95	4.7	110
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