

Aaron J Roodman

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

278 papers	12,691 citations	59 h-index	103 g-index
289 ext. papers	14,993 ext. citations	5.6 avg, IF	4.1 L-index

#	Paper	IF	Citations
278	Dark Energy Survey Year 3 Results: Measuring the Survey Transfer Function with Balrog. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 15	8	1
277	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , 2022 , 105,	4.9	40
276	Dark energy survey year 3 results: Cosmology with peaks using an emulator approach. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022 , 511, 2075-2104	4.3	2
275	Parameterization of Outer-scale on DECam Point-spread Function. <i>Research Notes of the AAS</i> , 2022 , 6, 23	0.8	
274	A Search of the Full Six Years of the Dark Energy Survey for Outer Solar System Objects. <i>Astrophysical Journal, Supplement Series</i> , 2022 , 258, 41	8	6
273	Search for Darkonium in e^+e^- Collisions.. <i>Physical Review Letters</i> , 2022 , 128, 021802	7.4	
272	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> , 2022 , 259, 27	8	0
271	Search for Lepton Flavor Violation in $\tau(3S) \rightarrow e^+ \mu^- \nu$.. <i>Physical Review Letters</i> , 2022 , 128, 091804	7.4	
270	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. <i>Astrophysical Journal</i> , 2022 , 927, 109	4.7	0
269	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> , 2022 , 510, 6150-6189	4.3	2
268	C/2014 UN271 (Bernardinelli-Bernstein): The Nearly Spherical Cow of Comets. <i>Astrophysical Journal Letters</i> , 2021 , 921, L37	7.9	6
267	Dark Energy Survey Year 3 results: galaxy halo connection from galaxy-galaxy lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 509, 3119-3147	4.3	1
266	Consistency of cosmic shear analyses in harmonic and real space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 503, 3796-3817	4.3	5
265	The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 253, 31	8	8
264	Hierarchical Inference with Bayesian Neural Networks: An Application to Strong Gravitational Lensing. <i>Astrophysical Journal</i> , 2021 , 909, 187	4.7	12
263	Large-scale Gravitational Lens Modeling with Bayesian Neural Networks for Accurate and Precise Inference of the Hubble Constant. <i>Astrophysical Journal</i> , 2021 , 910, 39	4.7	9
262	Identifying RR Lyrae Variable Stars in Six Years of the Dark Energy Survey. <i>Astrophysical Journal</i> , 2021 , 911, 109	4.7	7

261	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 4312-4336	4.3	17
260	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. <i>Physical Review Letters</i> , 2021 , 126, 141301	7.4	22
259	The first Hubble diagram and cosmological constraints using superluminous supernovae. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 504, 2535-2549	4.3	8
258	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 4626-4645	4.3	9
257	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 254, 24	8	24
256	Dark Energy Survey Year 3 results: redshift calibration of the weak lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 4249-4277	4.3	18
255	Assessing tension metrics with dark energy survey and Planck data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 505, 6179-6194	4.3	10
254	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> , 2021 , 507, 4425-4444	4.3	4
253	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 20	8	22
252	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 252, 18	8	27
251	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. <i>Physical Review D</i> , 2021 , 103,	4.9	14
250	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 502, 6010-6031	4.3	11
249	Reducing Ground-based Astrometric Errors with Gaia and Gaussian Processes. <i>Astronomical Journal</i> , 2021 , 162, 106	4.9	2
248	DES Y1 results: Splitting growth and geometry to test Λ CDM. <i>Physical Review D</i> , 2021 , 103,	4.9	7
247	The DES view of the Eridanus supervoid and the CMB cold spot. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021 , 510, 216-229	4.3	2
246	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> , 2020 , 496, 3636-3647	4.3	4
245	Validation of selection function, sample contamination and mass calibration in galaxy cluster samples. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 498, 771-798	4.3	7
244	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> , 2020 , 493, 4591-4606	4.3	18

243	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> , 2020 , 494, 6072-6102	4.3	83
242	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V. <i>Astrophysical Journal</i> , 2020 , 892, 137	4.7	23
241	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> , 2020 , 495, 705-725	4.3	10
240	Studying Type II supernovae as cosmological standard candles using the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 4860-4892	4.3	6
239	Detection of Cross-Correlation between Gravitational Lensing and IR Rays. <i>Physical Review Letters</i> , 2020 , 124, 101102	7.4	10
238	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , 2020 , 102,	4.9	77
237	Weak lensing of Type Ia Supernovae from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 4051-4059	4.3	2
236	Search for Rare or Forbidden Decays of the D^0 Meson. <i>Physical Review Letters</i> , 2020 , 124, 071802	7.4	2
235	The Diffuse Light Envelope of Luminous Red Galaxies. <i>Research Notes of the AAS</i> , 2020 , 4, 174	0.8	
234	Constraints on the Physical Properties of GW190814 through Simulations Based on DECam Follow-up Observations by the Dark Energy Survey. <i>Astrophysical Journal</i> , 2020 , 901, 83	4.7	16
233	A DESGW Search for the Electromagnetic Counterpart to the LIGO/Virgo Gravitational-wave Binary Neutron Star Merger Candidate S190510g. <i>Astrophysical Journal</i> , 2020 , 903, 75	4.7	3
232	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 25	8	56
231	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> , 2020 , 900, L33	7.9	24
230	Dark Energy Survey year 3 results: point spread function modelling. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 501, 1282-1299	4.3	14
229	Search for lepton-flavor-violating decays $D^0 \rightarrow X^0 e \mu$. <i>Physical Review D</i> , 2020 , 101,	4.9	1
228	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 495, 4040-4060	4.3	16
227	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> , 2020 ,	4.3	12
226	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> , 2020 , 493, 5662-5679	4.3	8

225	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> , 2020 , 494, 3491-3511	4.3	12
224	Blinding multiprobe cosmological experiments. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 4454-4470	4.3	15
223	OzDES multi-object fibre spectroscopy for the Dark Energy Survey: results and second data release. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 496, 19-35	4.3	21
222	Observation and confirmation of nine strong-lensing systems in Dark Energy Survey Year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 1308-1322	4.3	4
221	An Extended Catalog of GalaxyGalaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 17	8	34
220	Extraction of form Factors from a Four-Dimensional Angular Analysis of $B \rightarrow D^{(*)} \ell \ell$. <i>Physical Review Letters</i> , 2019 , 123, 091801	7.4	8
219	Cosmological lensing ratios with DES Y1, SPT, and Planck. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1363-1379	4.3	11
218	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. <i>Astrophysical Journal</i> , 2019 , 874, 106	4.7	34
217	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> , 2019 , 488, 739-769	4.3	26
216	Three new VHSDES quasars at $z \sim 6.7$ – 6.5 . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1874-1885	4.3	43
215	First cosmological results using Type Ia supernovae from the Dark Energy Survey: measurement of the Hubble constant. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 486, 2184-2196	4.3	93
214	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019 , 122, 171301	7.4	50
213	First Measurement of the Hubble Constant from a Dark Standard Siren using the Dark Energy Survey Galaxies and the LIGO/Virgo BinaryBlack-hole Merger GW170814. <i>Astrophysical Journal Letters</i> , 2019 , 876, L7	7.9	91
212	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> , 2019 , 485, 1171-1187	4.3	37
211	Observation of the Decay $D^0 \rightarrow K^+ \pi^- e^+ e^-$. <i>Physical Review Letters</i> , 2019 , 122, 081802	7.4	4
210	First Cosmology Results using Type Ia Supernovae from the Dark Energy Survey: Constraints on Cosmological Parameters. <i>Astrophysical Journal Letters</i> , 2019 , 872, L30	7.9	113
209	A Search for Optical Emission from Binary Black Hole Merger GW170814 with the Dark Energy Camera. <i>Astrophysical Journal Letters</i> , 2019 , 873, L24	7.9	12
208	Search for a Stable Six-Quark State at BABAR. <i>Physical Review Letters</i> , 2019 , 122, 072002	7.4	7

207	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> , 2019 , 483, 4866-4883	4.3	63
206	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> , 2019 , 488, 4779-4800	4.3	51
205	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> , 2019 , 489, 5301-5325	4.3	12
204	Detection of CMB-Cluster Lensing using Polarization Data from SPTpol. <i>Physical Review Letters</i> , 2019 , 123, 181301	7.4	8
203	Investigation of deferred charge effects in Large Synoptic Survey Telescope ITL sensors. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019 , 5, 1	1.1	
202	Search for $B\rightarrow\mu\mu$ with the BaBar experiment. <i>Physical Review D</i> , 2019 , 100,	4.9	2
201	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. <i>Astrophysical Journal</i> , 2019 , 881, 118	4.7	18
200	Dark Energy Survey Year 1 results: weak lensing mass calibration of redMaPPer galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 482, 1352-1378	4.3	93
199	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> , 2019 , 482, 1435-1451	4.3	10
198	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018 , 854, 160	4.7	59
197	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 33	8	150
196	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 475, 3165-3190	4.3	44
195	Chemical Abundance Analysis of Three α -poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I. <i>Astrophysical Journal</i> , 2018 , 852, 99	4.7	26
194	A measurement of CMB cluster lensing with SPT and DES year 1 data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 476, 2674-2688	4.3	25
193	A catalogue of structural and morphological measurements for DES Y1. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 481, 2018-2040	4.3	15
192	Dark Energy Survey Year 1 Results: A Precise H_0 Estimate from DES Y1, BAO, and D/H Data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 3879-3888	4.3	136
191	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. <i>Physical Review D</i> , 2018 , 98,	4.9	300
190	Dark Energy Survey Year 1 Results: redshift distributions of the weak-lensing source galaxies. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 478, 592-610	4.3	118

189	Dark energy survey operations: years 4 and 5 2018 ,		10
188	Study of the reactions $e+e\rightarrow\mu^+\mu^-$ and $\mu^+\mu^-\rightarrow\mu^+\mu^-$ at center-of-mass energies from threshold to 4.35 GeV using initial-state radiation. <i>Physical Review D</i> , 2018 , 98,	4.9	7
187	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 18	8	313
186	Measurement of the $\mu^+\mu^-\rightarrow\mu^+\mu^-$ transition form factor. <i>Physical Review D</i> , 2018 , 98,	4.9	11
185	Search for the decay mode $B^0\rightarrow\pi^+\pi^-\pi^0$. <i>Physical Review D</i> , 2018 , 98,	4.9	1
184	Measurement of the spectral function for the $B\rightarrow K^*\pi$ decay. <i>Physical Review D</i> , 2018 , 98,	4.9	12
183	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> , 2018 , 481, 2427-2443	4.3	34
182	Study of $\pi(1S)$ radiative decays to $\mu^+\mu^-$ and K^+K^- . <i>Physical Review D</i> , 2018 , 97,	4.9	2
181	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 480, 4614-4635	4.3	25
180	Galaxy bias from galaxy-galaxy lensing in the DES science verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2018 , 473, 1667-1684	4.3	12
179	Study of the process $e+e\rightarrow\mu^+\mu^-$ using initial state radiation. <i>Physical Review D</i> , 2018 , 97,	4.9	8
178	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , 2017 , 839, L15	7.9	24
177	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , 2017 , 129, 074503	5	27
176	Search for $B^0\rightarrow K^+\pi^-\pi^0$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017 , 118, 031802	7.4	24
175	Cosmology from large-scale galaxy clustering and galaxy-galaxy lensing with Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 464, 4045-4062	4.3	32
174	Search for Invisible Decays of a Dark Photon Produced in e^+e^- Collisions at BaBar. <i>Physical Review Letters</i> , 2017 , 119, 131804	7.4	113
173	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> , 2017 , 848, L17	7.9	468
172	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> , 2017 , 848, L16	7.9	295

171	Cross sections for the reactions $e^+e^- \rightarrow K_S^0 K_L^0$, $K_S^0 K_L^0 \pi^0$ and $K_S^0 K_L^0 \pi^0 \pi^0$ from events with initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	12
170	Dalitz plot analyses of $J/\psi \rightarrow \pi^0$, $J/\psi \rightarrow K^+ K^-$, and $J/\psi \rightarrow K_S^0 K_L^0 \pi^0$ produced via e^+e^- annihilation with initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	5
169	Measurement of the inclusive electron spectrum from B meson decays and determination of $ V_{ub} $. <i>Physical Review D</i> , 2017 , 95,	4.9	9
168	Measurement of the $e^+e^- \rightarrow \pi^0 \pi^0$ cross section using initial-state radiation at BABAR. <i>Physical Review D</i> , 2017 , 96,	4.9	13
167	Measurement of the $D^{*+}(2010) \rightarrow D^+ \pi^0$ Mass Difference. <i>Physical Review Letters</i> , 2017 , 119, 202003	7.4	1
166	Photometric redshifts and clustering of emission line galaxies selected jointly by DES and eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2017 , 469, 2771-2790	4.3	5
165	Measurement of the $e^+e^- \rightarrow K_S^0 K_L^0 \pi^0$ and $K_S^0 K_L^0 \pi^0 \pi^0$ cross sections using initial-state radiation. <i>Physical Review D</i> , 2017 , 95,	4.9	5
164	Evidence for CP violation in $B^+ \rightarrow K^{*+}(892) \pi^0$ from a Dalitz plot analysis of $B^+ \rightarrow K_S^0 \pi^0$ decays. <i>Physical Review D</i> , 2017 , 96,	4.9	2
163	Comparing Dark Energy Survey and HST/FLASH observations of the galaxy cluster RXC J2248.7-431: implications for stellar mass versus dark matter. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 463, 1486-1499	4.3	11
162	Measurement of the $I=1/2$ $K\pi$ -wave amplitude from Dalitz plot analyses of $B \rightarrow K K \pi$ in two-photon interactions. <i>Physical Review D</i> , 2016 , 93,	4.9	6
161	Search for mixing-induced CP violation using partial reconstruction of $B^0 \rightarrow D^{*+} X$ and kaon tagging. <i>Physical Review D</i> , 2016 , 93,	4.9	2
160	Time-dependent analysis of $B^0 \rightarrow K_S^0 \pi^0$ decays and studies of the $K^+ \pi^-$ system in $B^+ \rightarrow K^+ \pi^0$ decays. <i>Physical Review D</i> , 2016 , 93,	4.9	10
159	Measurement of angular asymmetries in the decays $B \rightarrow K^{*+} \pi^-$. <i>Physical Review D</i> , 2016 , 93,	4.9	20
158	Measurement of the neutral D meson mixing parameters in a time-dependent amplitude analysis of the $D^0 \rightarrow \pi^0 \pi^0$ decay. <i>Physical Review D</i> , 2016 , 93,	4.9	7
157	Observation of $B \rightarrow D^{*+} \pi^0 \pi^0 (-) \pi^0 (-)$ Decays in $e^+ e^-$ Collisions at the $\Upsilon(4S)$ Resonance. <i>Physical Review Letters</i> , 2016 , 116, 041801	7.4	8
156	The DES Science Verification weak lensing shear catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 460, 2245-2281	4.3	107
155	Measurement of the $B^0 \rightarrow D^{*+} \pi^-$ branching fraction. <i>Physical Review D</i> , 2016 , 94,	4.9	5
154	The dark energy survey and operations: years 1 to 3 2016 ,		23

153	Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 455, 3367-3380	4.3	56
152	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. <i>Astronomical Journal</i> , 2016 , 151, 39	4.9	18
151	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 461, 1431-1450	4.3	118
150	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. <i>Astrophysical Journal Letters</i> , 2016 , 823, L33	7.9	53
149	Cross-correlation of gravitational lensing from DES Science Verification data with SPT and Planck lensing. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 459, 21-34	4.3	39
148	Tests of CPT symmetry in $B^0\bar{B}^0$ mixing and in $B^0 \rightarrow \pi^0 \pi^0$ decays. <i>Physical Review D</i> , 2016 , 94,	4.9	4
147	Search for a muonic dark force at BaBar. <i>Physical Review D</i> , 2016 , 94,	4.9	66
146	Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. <i>Physical Review Letters</i> , 2015 , 115, 051301	7.4	34
145	Measurement of the branching fractions of the radiative leptonic $B \rightarrow e^+ e^-$ and $B \rightarrow \mu^+ \mu^-$ at BABAR. <i>Physical Review D</i> , 2015 , 91,	4.9	8
144	Study of CP asymmetry in $B^0 - \bar{B}^0$ mixing with inclusive dilepton events. <i>Physical Review Letters</i> , 2015 , 114, 081801	7.4	13
143	Search for Long-Lived Particles in $e^+ e^-$ Collisions. <i>Physical Review Letters</i> , 2015 , 114, 171801	7.4	19
142	Dalitz plot analyses of $B^0 \rightarrow D^0 \pi^0 K^+$ and $B^+ \rightarrow D^0 \pi^0 K^+$ decays. <i>Physical Review D</i> , 2015 , 91,	4.9	22
141	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. <i>Astrophysical Journal</i> , 2015 , 808, 95	4.7	110
140	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 1260-1265	4.3	38
139	DES J045448: discovery of the first luminous $z \sim 6$ quasar from the Dark Energy Survey. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 3952-3961	4.3	47
138	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 82	4.9	91
137	EIGHT NEW MILKY WAY COMPANIONS DISCOVERED IN FIRST-YEAR DARK ENERGY SURVEY DATA. <i>Astrophysical Journal</i> , 2015 , 807, 50	4.7	390
136	Measurement of the $D^0 \rightarrow B^+ B^-$ differential decay branching fraction as a function of q^2 and study of form factor parametrizations. <i>Physical Review D</i> , 2015 , 91,	4.9	23

135	Search for a light Higgs resonance in radiative decays of the $\Upsilon(1S)$ with a charm tag. <i>Physical Review D</i> , 2015 , 91,	4.9	7
134	Study of the $e^+e^- \rightarrow K^+K^-$ reaction in the energy range from 2.6 to 8.0 GeV. <i>Physical Review D</i> , 2015 , 92,	4.9	7
133	Measurement of initial-state-final-state radiation interference in the processes $e^+e^- \rightarrow \mu^+\mu^-$ and $e^+e^- \rightarrow \mu^+\mu^- \gamma$. <i>Physical Review D</i> , 2015 , 92,	4.9	6
132	Observation of the baryonic decay $B_c^- \rightarrow \bar{p} \pi^+ K^-$. <i>Physical Review D</i> , 2015 , 91,	4.9	2
131	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , 2015 , 813, 109	4.7	329
130	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 172	4.9	101
129	THE DARK ENERGY CAMERA. <i>Astronomical Journal</i> , 2015 , 150, 150	4.9	524
128	Constraints on the richness-mass relation and the optical-SZE positional offset distribution for SZE-selected clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2015 , 454, 2305-2319	4.3	75
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126	The Dark Energy Survey and operations: Year 1 2014 ,		43
125	Search for new Ω -like particles produced in association with a dilepton pair. <i>Physical Review D</i> , 2014 , 90,	4.9	1
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122	Photometric redshift analysis in the Dark Energy Survey Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2014 , 445, 1482-1506	4.3	135
121	Cross sections for the reactions $e^+e^- \rightarrow K_S^0 K_L^0$, $K_S^0 K_L^0 \pi^0$, $K_S^0 K_S^0 \pi^0$ and $K_S^0 K_S^0 K^+ K^-$ from events with initial-state radiation. <i>Physical Review D</i> , 2014 , 89,	4.9	32
120	Dalitz plot analysis of $\bar{B} \rightarrow K^+ K^-$ and $\bar{B} \rightarrow K^+ K^0$ in two-photon interactions. <i>Physical Review D</i> , 2014 , 89,	4.9	16
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111	Search for the $KL \rightarrow \pi^0 \pi^0 e^+ e^-$ decay in the KTeV experiment. <i>Physical Review Letters</i> , 2002 , 89, 211801	7.4	3
110	Radiative decay width measurements of neutral kaon excitations using the primakoff effect. <i>Physical Review Letters</i> , 2002 , 89, 072001	7.4	8
109	Branching ratio measurement of the decay $K(L) \rightarrow e^+ e^- \mu^+ \mu^-$. <i>Physical Review Letters</i> , 2001 , 87, 111802	7.4	5
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105	New measurement of the radiative Ke_3 branching ratio and photon spectrum. <i>Physical Review D</i> , 2001 , 64,	4.9	9
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103	Measurement of the branching ratio and asymmetry of the decay $\Xi \rightarrow \Sigma \gamma$. <i>Physical Review Letters</i> , 2001 , 86, 3239-43	7.4	7
102	Search for the decay $KL \rightarrow \pi(0) e^+ e^-$. <i>Physical Review Letters</i> , 2001 , 86, 397-401	7.4	22
101	Measurements of the rare decay $K(L) \rightarrow e^+ e^- e^+ e^-$. <i>Physical Review Letters</i> , 2001 , 86, 5425-9	7.4	15
100	Measurement of the branching ratio and form factor of $K(L) \rightarrow \mu^+ \mu^- \gamma$. <i>Physical Review Letters</i> , 2001 , 87, 071801	7.4	17

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98	Search for the decay $KL \rightarrow \pi\pi$ using $\pi \rightarrow e+e\pi$ <i>Physical Review D</i> , 2000 , 61,	4.9	42
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96	Evidence for the decay $KL \rightarrow \pi\pi$ <i>Physical Review D</i> , 2000 , 62,	4.9	6
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89	Search for the decay $KL \rightarrow \pi\pi$ <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1999 , 447, 240-245	4.2	16
88	Search for the lepton-family number violating decays $KL \rightarrow \pi\ell\ell$?. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 432, 230-234	4.2	18
87	Measurement of the Branching Fraction of the Decay $KL \rightarrow \pi\pi e^+e^-$ <i>Physical Review Letters</i> , 1998 , 80, 4123-4126	7.4	20
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81	New measurement of the CP violation parameter $\eta \rightarrow \gamma \pi^0 \nu \bar{\nu}$. <i>Physical Review Letters</i> , 1995 , 75, 2803-2806	7.4	9
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78	Measurement of p-bar p single diffraction dissociation at $\sqrt{s}=546$ and 1800 GeV. <i>Physical Review D</i> , 1994 , 50, 5535-5549	4.9	96
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76	Measurement of the branching ratio of $K_L \rightarrow e^+ e^- \gamma \gamma$. <i>Physical Review Letters</i> , 1994 , 73, 2169-2172	7.4	8
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70	Search for the decay $K_L^0 \rightarrow \pi^0 \pi^0 \gamma$. <i>Physical Review D</i> , 1994 , 50, 1874-1878	4.9	4
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66	Comparison of jet production in p-bar p collisions at $\sqrt{s}=546$ and 1800 GeV. <i>Physical Review Letters</i> , 1993 , 70, 1376-1380	7.4	42
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63	Inclusive χ c and b-quark production in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993 , 71, 2537-2541	7.4	89
62	Prompt photon cross section measurement in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1993 , 48, 2998-3025	4.9	61
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56	Study of four-jet events and evidence for double parton interactions in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1993 , 47, 4857-4871	4.9	131
55	Measurement of the dijet mass distribution in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1993 , 48, 998-1008	4.9	15
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53	Center-of-mass angular distribution of prompt photons produced in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993 , 71, 679-683	7.4	7
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46	Measurement of the isolated prompt photon cross section in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 2734-2738	7.4	47

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42	Lepton asymmetry in W-boson decays from p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 1458-1462	7.4	9
41	Topology of three-jet events in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1992 , 45, 1448-1458	4.9	243
40	Inclusive J/psi, psi(2S), and b-quark production in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 69, 3704-3708	7.4	230
39	Measurement of the B-meson and b-quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B \rightarrow J/\psi K$. <i>Physical Review Letters</i> , 1992 , 68, 3403-3407	7.4	36
38	Limits on the production of massive stable charged particles. <i>Physical Review D</i> , 1992 , 46, R1889-R1894	4.9	25
37	Limit on the top-quark mass from proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1992 , 45, 3921-3948	4.9	69
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35	Measurement of the W-boson PT distribution in p-bar p collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991 , 66, 2951-2955	7.4	38
34	Top-quark search in the electron+jets channel in proton-antiproton collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1991 , 43, 664-686	4.9	38
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31	Measurement of $\sigma(B \rightarrow e \nu)$ and $\sigma(B \rightarrow Z^0 e^+ e^-)$ in p-bar p collisions at $\sqrt{s}=1800$ GeV. <i>Physical Review D</i> , 1991 , 44, 29-52	4.9	61
30	Search for $W \rightarrow e \nu$ and $W \rightarrow \mu \nu$ in p-bar p Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991 , 67, 2609-2613	7.4	29
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28	Measurement of QCD jet broadening in pp-bar collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1991 , 44, 601-616	4.9	11

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22	Two-jet differential cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 64, 157-160	7.4	15
21	Jet-fragmentation properties in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 65, 968-971	7.4	27
20	Search for the top quark in the reaction $p\bar{p} \rightarrow \text{electron} + \text{jets}$ at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 64, 142-146	7.4	153
19	Measurement of D production in jets from $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 64, 348-352	7.4	12
18	Measurement of the ratio $\sigma(W \rightarrow e \nu) / \sigma(Z \rightarrow e e)$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 64, 152-156	7.4	28
17	Two-jet invariant-mass distribution at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1990 , 41, 1722-1725	4.9	37
16	Pseudorapidity distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s} = 630$ and 1800 GeV. <i>Physical Review D</i> , 1990 , 41, 2330-2333	4.9	171
15	Limits on the masses of supersymmetric particles from 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review Letters</i> , 1989 , 62, 1825-1828	7.4	109
14	Measurement of W-boson production in 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review Letters</i> , 1989 , 62, 1005-1008	7.4	26
13	Measurement of the inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1989 , 62, 613-616	7.4	69
12	Measurement of the mass and width of the Z^0 boson at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1989 , 63, 720-723	7.4	82
11	Search for heavy stable particles in 1.8-TeV $p\bar{p}$ collisions at the Fermilab collider. <i>Physical Review Letters</i> , 1989 , 63, 1447-1450	7.4	24
10	Dijet angular distributions from $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1989 , 62, 3020-3023	7.4	23

9	K0S production in p-bar p interactions at $\sqrt{s}=630$ and 1800 GeV. <i>Physical Review D</i> , 1989 , 40, 3791-3794.	4.9	19
8	The CDF detector: an overview. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 271, 387-403	1.2	415
7	A two level fastbus based trigger system for CDF. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 269, 51-62	1.2	40
6	The CDF trigger. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1988 , 265, 326-335	1.2	1
5	Transverse-momentum distributions of charged particles produced in p-bar p interactions at $\sqrt{s}=630$ and 1800 GeV. <i>Physical Review Letters</i> , 1988 , 61, 1819-1822	7.4	172
4	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
3	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
2	Probing gravity with the DES-CMASS sample and BOSS spectroscopy. <i>Monthly Notices of the Royal Astronomical Society</i> ,	4.3	3
1	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