

Aaron J Roodman

List of Publications by Citations

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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	THE DARK ENERGY CAMERA. <i>Astronomical Journal</i> , 2015 , 150, 150	4.9	524
277	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
276	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
275	EIGHT NEW MILKY WAY COMPANIONS DISCOVERED IN FIRST-YEAR DARK ENERGY SURVEY DATA. <i>Astrophysical Journal</i> , 2015 , 807, 50	4.7	390
274	EIGHT ULTRA-FAINT GALAXY CANDIDATES DISCOVERED IN YEAR TWO OF THE DARK ENERGY SURVEY. <i>Astrophysical Journal</i> , 2015 , 813, 109	4.7	329
273	The Dark Energy Survey: Data Release 1. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 239, 18	8	313
272	Dark Energy Survey Year 1 results: Cosmological constraints from cosmic shear. <i>Physical Review D</i> , 2018 , 98,	4.9	300
271	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
270	Observation of Direct CP Violation in $K_S, L \rightarrow D$ Decays. <i>Physical Review Letters</i> , 1999 , 83, 22-27	7.4	294
269	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	8.9	243
268	Search for a dark photon in e^+e^- collisions at BABAR. <i>Physical Review Letters</i> , 2014 , 113, 201801	7.4	241
267	The Physics of the B Factories. <i>European Physical Journal C</i> , 2014 , 74, 1	4.2	233
266	Inclusive J/ψ , $\psi(2S)$, 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
265	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
264	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
263	Measurement of the antiproton-proton total cross section at $\sqrt{s} = 546$ and 1800 GeV. <i>Physical Review D</i> , 1994 , 50, 5550-5561	4.9	164
262	Search for the top quark in the reaction p-bar p \rightarrow electron+jets at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1990 , 64, 142-146	7.4	153

261	Dark Energy Survey Year 1 Results: The Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2018 , 235, 33	8	150
260	Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. <i>Physical Review D</i> , 2003 , 67,	4.9	137
259	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> , 2018 , 480, 3879-3888	4.3	136
258	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
257	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
256	Lower limit on the top-quark mass from events with two leptons in pp-bar collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , 1992 , 68, 447-451	7.4	130
255	Measurement of the W-boson mass. <i>Physical Review Letters</i> , 1990 , 65, 2243-2246	7.4	128
254	Measurement of small angle antiproton-proton elastic scattering at sqrt s =546 and 1800 GeV. <i>Physical Review D</i> , 1994 , 50, 5518-5534	4.9	124
253	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
252	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
251	Search for squarks and gluinos from p-barp collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , 1992 , 69, 3439-3443	7.4	117
250	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
249	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
248	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. <i>Astrophysical Journal</i> , 2015 , 808, 95	4.7	110
247	Limits on the masses of supersymmetric particles from 1.8-TeV pp-bar collisions. <i>Physical Review Letters</i> , 1989 , 62, 1825-1828	7.4	109
246	The DES Science Verification weak lensing shear catalogues. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016 , 460, 2245-2281	4.3	107
245	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 172	4.9	101
244	Measurement of p-barp single diffraction dissociation at sqrt s =546 and 1800 GeV. <i>Physical Review D</i> , 1994 , 50, 5535-5549	4.9	96

243	Search for the decay $K(L) \rightarrow \pi(0) + \mu^+ + \mu^-$. <i>Physical Review Letters</i> , 2000 , 84, 5279-82	7.4	95
242	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
241	Search for new heavy quarks in electron-muon events at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1990 , 64, 147-151	7.4	93
240	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
239	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. <i>Astrophysical Journal Letters</i> , 2019 , 876, L7	7.9	91
238	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015 , 150, 82	4.9	91
237	CPT tests in the neutral kaon system. <i>Physical Review Letters</i> , 1995 , 74, 4376-4379	7.4	90
236	Measurement of the W-boson mass in 1.8-TeV p-bar-p collisions. <i>Physical Review D</i> , 1991 , 43, 2070-2093	4.9	90
235	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
234	STRIDES: a 3.9 per cent measurement of the Hubble constant from the strong lens system DES J0408-354. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020 , 494, 6072-6102	4.3	83
233	BLIND ANALYSIS IN NUCLEAR AND PARTICLE PHYSICS. <i>Annual Review of Nuclear and Particle Science</i> , 2005 , 55, 141-163	15.7	83
232	Measurement of the mass and width of the Z0 boson at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1989 , 63, 720-723	7.4	82
231	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. <i>Physical Review D</i> , 2020 , 102,	4.9	77
230	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
229	Inclusive jet cross section in p-bar-p collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 1104-1108	7.4	75
228	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
227	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
226	Search for a muonic dark force at BaBar. <i>Physical Review D</i> , 2016 , 94,	4.9	66

225	Measurement of bottom quark production in 1.8 TeV pp-bar collisions using muons from b-quark decays. <i>Physical Review Letters</i> , 1993 , 71, 2396-2400	7.4	65
224	Observation of rapidity gaps in p-barp collisions at 1.8 TeV. <i>Physical Review Letters</i> , 1995 , 74, 855-859	7.4	64
223	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
222	Observation of CP violation in $K(L) \rightarrow \pi^{(+)}\pi^{(-)}e^{(+)}e^{(-)}$ decays. <i>Physical Review Letters</i> , 2000 , 84, 408-11	7.4	61
221	Prompt photon cross section measurement in p-barp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1993 , 48, 2998-3025	4.9	61
220	Measurement of $\sigma(B(W \rightarrow e \nu))$ and $\sigma(B(Z^0 \rightarrow e^+e^-))$ in p-barp collisions at $\sqrt{s} = 1800$ GeV. <i>Physical Review D</i> , 1991 , 44, 29-52	4.9	61
219	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018 , 854, 160	4.7	59
218	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
217	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020 , 247, 25	8	56
216	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
215	Precise measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. <i>Physical Review D</i> , 2011 , 83,	4.9	52
214	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
213	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019 , 122, 171301	7.4	50
212	Search for New Gauge Bosons in p-barp Collisions at $s = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 1463-1467	7.4	48
211	DES J0454448: 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
210	Measurement of the isolated prompt photon cross section in p-barp collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 2734-2738	7.4	47
209	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
208	Three new VHSDES quasars at $z \sim 6.5$. <i>Monthly Notices of the Royal Astronomical Society</i> , 2019 , 487, 1874-1885	4.3	43

207	The Dark Energy Survey and operations: Year 1 2014 ,		43
206	Measurement of the K(L) charge asymmetry. <i>Physical Review Letters</i> , 2002 , 88, 181601	7.4	43
205	Search for the decay $KL \rightarrow \pi\pi$ using $\pi^0 \rightarrow e^+e^-$ <i>Physical Review D</i> , 2000 , 61,	4.9	42
204	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
203	Polarization of Λ and $\bar{\Lambda}$ produced by 800-GeV protons. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1994 , 338, 403-408	4.2	42
202	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
201	Dark Energy Survey Year 3 results: Cosmological constraints from galaxy clustering and weak lensing. <i>Physical Review D</i> , 2022 , 105,	4.9	40
200	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
199	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
198	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
197	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
196	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
195	Two-jet invariant-mass distribution at $\sqrt{s} = 1.8$ TeV. <i>Physical Review D</i> , 1990 , 41, 1722-1725	4.9	37
194	Measurement of jet shapes in p-bar p collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1993 , 70, 713-717	7.4	36
193	Measurement of the production and muonic decay rate of W and Z bosons in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 69, 28-32	7.4	36
192	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
191	An Extended Catalog of Galaxy-Galaxy Strong Gravitational Lenses Discovered in DES Using Convolutional Neural Networks. <i>Astrophysical Journal, Supplement Series</i> , 2019 , 243, 17	8	34
190	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

189	Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. <i>Physical Review Letters</i> , 2015 , 115, 051301	7.4	34
188	Evidence for color coherence in pp-bar collisions at sqrt s =1.8 TeV. <i>Physical Review D</i> , 1994 , 50, 5562-5579	4.9	34
187	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
186	Measurement of the Decay $KL \rightarrow \pi^0 \pi^0$ <i>Physical Review Letters</i> , 1999 , 83, 917-921	7.4	33
185	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
184	Cross sections for the reactions $e+e \rightarrow KS^0 K^0_L$, $KS^0 K^0_L \rightarrow KS^0 KS^0$ and $KS^0 KS^0 K+K^0$ from events with initial-state radiation. <i>Physical Review D</i> , 2014 , 89,	4.9	32
183	Search for first-generation leptoquarks in p-bar p collisions at sqrt s =1.8 TeV. <i>Physical Review D</i> , 1993 , 48, R3939-R3944	4.9	30
182	Measurement of the cross section for production of two isolated prompt photons in pp-bar collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , 1993 , 70, 2232-2236	7.4	30
181	Measurement of the $e+e^-$ Invariant-Mass Distribution in p-bar p Collisions at s=1.8 TeV. <i>Physical Review Letters</i> , 1991 , 67, 2418-2422	7.4	30
180	Search for Light Gluinos via the Spontaneous Appearance of $\tilde{g}\tilde{g}$ Pairs with an 800GeV/c Proton Beam at Fermilab. <i>Physical Review Letters</i> , 1997 , 79, 4083-4087	7.4	29
179	Measurement of the Z-boson pT distribution in p-bar p collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , 1991 , 67, 2937-2941	7.4	29
178	Search for $W \rightarrow e \nu$ and $W \rightarrow \mu \nu$ in p-bar p Collisions at s=1.8 TeV. <i>Physical Review Letters</i> , 1991 , 67, 2609-2613	7.4	29
177	Measurement of the ratio $\sigma(W \rightarrow e \nu) / \sigma(Z \rightarrow ee)$ in p-bar p collisions at sqrt s =1.8 TeV. <i>Physical Review Letters</i> , 1990 , 64, 152-156	7.4	28
176	Astrometric Calibration and Performance of the Dark Energy Camera. <i>Publications of the Astronomical Society of the Pacific</i> , 2017 , 129, 074503	5	27
175	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
174	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
173	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
172	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

171	Measurement of Drell-Yan electron and muon pair differential cross sections in p-barp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review D</i> , 1994 , 49, R1-R6	4.9	26
170	Measurement of W-boson production in 1.8-TeV p-barp collisions. <i>Physical Review Letters</i> , 1989 , 62, 1005-1008	4.9	26
169	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
168	First measurement of form factors of the decay $\Xi(0) \rightarrow \Sigma^+(e^-)\nu_{\mu}(e)$. <i>Physical Review Letters</i> , 2001 , 87, 132001	7.4	25
167	Limits on the production of massive stable charged particles. <i>Physical Review D</i> , 1992 , 46, R1889-R1894	4.9	25
166	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
165	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. <i>Astrophysical Journal Letters</i> , 2017 , 839, L15	7.9	24
164	Search for $B^+ \rightarrow K^+ \pi^+ \pi^-$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017 , 118, 031802	7.4	24
163	Search for heavy stable particles in 1.8-TeV pp-bar collisions at the Fermilab collider. <i>Physical Review Letters</i> , 1989 , 63, 1447-1450	7.4	24
162	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
161	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 254, 24	8	24
160	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
159	The dark energy survey and operations: years 1 to 3 2016 ,		23
158	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
157	Measurement of the B meson and b quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B^0 \rightarrow J/\psi K^*(892)^0$. <i>Physical Review D</i> , 1994 , 50, 4252-4257	4.9	23
156	Measurement of $B^0B\text{-}0$ mixing at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1991 , 67, 3351-3355	7.4	23
155	Dijet angular distributions from p-barp collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1989 , 62, 3020-3023	7.4	23
154	Dalitz plot analyses of $B^0 \rightarrow D\bar{D}^0 K^+$ and $B^+ \rightarrow D\bar{D}^0 K^+$ decays. <i>Physical Review D</i> , 2015 , 91,	4.9	22

153	Search for the decay $KL \rightarrow \pi(0)e^+e^-$. <i>Physical Review Letters</i> , 2001 , 86, 397-401	7.4	22
152	Dijet angular distribution in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 69, 2896-2900	7.4	22
151	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
150	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021 , 255, 20	8	22
149	Search for the weak decay of a lightly bound $H0$ dibaryon. <i>Physical Review Letters</i> , 2000 , 84, 2593-7	7.4	21
148	Limit on the branching ratio of $KL \rightarrow \pi^0 \nu \nu$. <i>Physical Review Letters</i> , 1994 , 72, 3758-3761	7.4	21
147	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
146	Measurement of angular asymmetries in the decays $B \rightarrow K^* \pi$. <i>Physical Review D</i> , 2016 , 93,	4.9	20
145	Measurement of the Branching Fraction of the Decay $KL \rightarrow \pi^0 e^+ e^-$. <i>Physical Review Letters</i> , 1998 , 80, 4123-4126	7.4	20
144	Measurement of the ratio $B(W \rightarrow \tau \nu)/B(W \rightarrow e \nu)$ in pp-bar collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992 , 68, 3398-3402	7.4	20
143	Search for Long-Lived Particles in $e^+ e^-$ Collisions. <i>Physical Review Letters</i> , 2015 , 114, 171801	7.4	19
142	Search for Light Gluinos via Decays Containing $\pi^0 \gamma$ from a Neutral Hadron Beam at Fermilab. <i>Physical Review Letters</i> , 1999 , 83, 2128-2132	7.4	19
141	$K0S$ 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
140	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
139	OBSERVATION OF TWO NEW L4 NEPTUNE TROJANS IN THE DARK ENERGY SURVEY SUPERNOVA FIELDS. <i>Astronomical Journal</i> , 2016 , 151, 39	4.9	18
138	Search for the lepton-family number violating decays $KL \rightarrow \pi^0 \mu^+ \mu^-$. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 1998 , 432, 230-234	4.2	18
137	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
136	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

135	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
134	Limit on the branching ratio of $KL \rightarrow \pi^0 e^{+}e^{-}$. <i>Physical Review Letters</i> , 1993 , 71, 3918-3921	7.4	17
133	Measurement of the branching ratio of $\pi^0 \rightarrow e^{+}e^{-}$ from π^0 produced by $KL \rightarrow \pi^0 \pi^0 \pi^0$ decays in flight. <i>Physical Review Letters</i> , 1993 , 71, 31-34	7.4	17
132	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
131	Dalitz plot analysis of $B \rightarrow K+K\pi$ and $B \rightarrow K+K\pi$ in two-photon interactions. <i>Physical Review D</i> , 2014 , 89,	4.9	16
130	Observation of the Decay $B \rightarrow \pi e \bar{e}$. <i>Physical Review Letters</i> , 1999 , 82, 3751-3754	7.4	16
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6	DeepZipper: A Novel Deep-learning Architecture for Lensed Supernovae Identification. <i>Astrophysical Journal</i> , 2022 , 927, 109. arXiv:2108.07454	4.7	0
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2	Investigation of deferred charge effects in Large Synoptic Survey Telescope ITL sensors. <i>Journal of Astronomical Telescopes, Instruments, and Systems</i> , 2019 , 5, 1. arXiv:1808.07454	1.1	0
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