

# Aaron J Roodman

## List of Publications by Year in descending order

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Version: 2024-02-01

285  
papers

17,480  
citations

13854

67  
h-index

17090

122  
g-index

289  
all docs

289  
docs citations

289  
times ranked

14169  
citing authors



#	ARTICLE	IF	CITATIONS
19	Pseudorapidity distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. Physical Review D, 1990, 41, 2330-2333.	1.6	187
20	Transverse-momentum distributions of charged particles produced in $p\bar{p}$ interactions at $\sqrt{s}=630$ and 1800 GeV. Physical Review Letters, 1988, 61, 1819-1822.	2.9	182
21	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.	3.0	179
22	Measurement of the antiproton-proton total cross section at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5550-5561.	1.6	178
23	Study of four-jet events and evidence for double parton interactions in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1993, 47, 4857-4871.	1.6	169
24	redMaGiC: selecting luminous red galaxies from the DES Science Verification data. Monthly Notices of the Royal Astronomical Society, 2016, 461, 1431-1450.	1.6	156
25	Search for the top quark in the reaction $p\bar{p} \rightarrow e^{-} + \text{jets}$ at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1990, 64, 142-146.	2.9	155
26	Search for squarks and gluinos from $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 69, 3439-3443.	2.9	149
27	Measurements of direct CP violation, CPT symmetry, and other parameters in the neutral kaon system. Physical Review D, 2003, 67, .	1.6	147
28	Photometric redshift analysis in the Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2014, 445, 1482-1506.	1.6	146
29	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.	1.6	145
30	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.	1.6	143
31	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.	1.6	140
32	Dark Energy Survey Year 1 Results: Cosmological constraints from cluster abundances and weak lensing. Physical Review D, 2020, 102, .	1.6	140
33	Measurement of small angle antiproton-proton elastic scattering at $\sqrt{s}=546$ and 1800 GeV. Physical Review D, 1994, 50, 5518-5534.	1.6	139
34	The DES Science Verification weak lensing shear catalogues. Monthly Notices of the Royal Astronomical Society, 2016, 460, 2245-2281.	1.6	137
35	Lower limit on the top-quark mass from events with two leptons in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1992, 68, 447-451.	2.9	135
36	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.	1.6	135

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37	STELLAR KINEMATICS AND METALLICITIES IN THE ULTRA-FAINT DWARF GALAXY RETICULUM II. <i>Astrophysical Journal</i> , 2015, 808, 95.	1.6	132
38	Measurement of the $W$ -boson mass. <i>Physical Review Letters</i> , 1990, 65, 2243-2246.	2.9	131
39	THE DIFFERENCE IMAGING PIPELINE FOR THE TRANSIENT SEARCH IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015, 150, 172.	1.9	128
40	Search for the Decay $K_L \rightarrow \pi^0 \nu \bar{\nu}$ . <i>Physical Review Letters</i> , 2000, 84, 5279-5282.	2.9	125
41	The Dark Energy Survey Data Release 2. <i>Astrophysical Journal, Supplement Series</i> , 2021, 255, 20.	3.0	120
42	Limits on the masses of supersymmetric particles from 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review Letters</i> , 1989, 62, 1825-1828.	2.9	110
43	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.	1.6	109
44	Search for a muonic dark force at $B\bar{B}$ . <i>Physical Review D</i> , 2016, 94, .	1.6	108
45	AUTOMATED TRANSIENT IDENTIFICATION IN THE DARK ENERGY SURVEY. <i>Astronomical Journal</i> , 2015, 150, 82.	1.9	107
46	Measurement of $p\bar{p}$ single diffraction dissociation at $\sqrt{s}=546$ and 1800 GeV. <i>Physical Review D</i> , 1994, 50, 5535-5549.	1.6	105
47	CPT Tests in the Neutral Kaon System. <i>Physical Review Letters</i> , 1995, 74, 4376-4379.	2.9	101
48	BLIND ANALYSIS IN NUCLEAR AND PARTICLE PHYSICS. <i>Annual Review of Nuclear and Particle Science</i> , 2005, 55, 141-163.	3.5	101
49	The SPTpol Extended Cluster Survey. <i>Astrophysical Journal, Supplement Series</i> , 2020, 247, 25.	3.0	101
50	Search for new heavy quarks in electron-muon events at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1990, 64, 147-151.	2.9	95
51	Dark Energy Survey Year 3 Results: Photometric Data Set for Cosmology. <i>Astrophysical Journal, Supplement Series</i> , 2021, 254, 24.	3.0	93
52	Measurement of the $W$ -boson mass in 1.8-TeV $p\bar{p}$ collisions. <i>Physical Review D</i> , 1991, 43, 2070-2093.	1.6	92
53	Inclusive $c$ and $b$ -quark production in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1993, 71, 2537-2541.	2.9	92
54	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.	1.6	87

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55	Extreme Variability Quasars from the Sloan Digital Sky Survey and the Dark Energy Survey. <i>Astrophysical Journal</i> , 2018, 854, 160.	1.6	87
56	Measurement of the mass and width of the Z boson at the Fermilab Tevatron. <i>Physical Review Letters</i> , 1989, 63, 720-723.	2.9	86
57	Cosmological Constraints from Multiple Probes in the Dark Energy Survey. <i>Physical Review Letters</i> , 2019, 122, 171301.	2.9	86
58	Inclusive jet cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1992, 68, 1104-1108.	2.9	82
59	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.	1.6	82
60	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.	3.0	77
61	Dark energy survey year 3 results: weak lensing shape catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 504, 4312-4336.	1.6	77
62	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.	3.0	74
63	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.	1.6	73
64	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.	2.9	72
65	Observation of Rapidity Gaps in $p\bar{p}$ Collisions at 1.8 TeV. <i>Physical Review Letters</i> , 1995, 74, 855-859.	2.9	71
66	Weak lensing by galaxy troughs in DES Science Verification data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2016, 455, 3367-3380.	1.6	71
67	Observation of CP Violation in $K_L \rightarrow \pi^0 e^+ e^-$ Decays. <i>Physical Review Letters</i> , 2000, 84, 408-411.	2.9	70
68	Precise measurements of direct CP violation, CP violation, CPT violation, and other parameters in the neutral kaon system. <i>Physical Review D</i> , 2011, 83, .	1.6	70
69	Measurement of $\sigma_{\text{FB}}(W \rightarrow e\gamma)$ and $\sigma_{\text{FB}}(Z \rightarrow e^+e^-)$ in $p\bar{p}$ collisions at $\sqrt{s}=1800$ GeV. <i>Physical Review D</i> , 1991, 44, 29-32.	2.9	67
70	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.	1.6	67
71	Measurement of bottom quark production in 1.8 TeV $p\bar{p}$ collisions using muons from b-quark decays. <i>Physical Review Letters</i> , 1993, 71, 2396-2400.	2.9	66
72	Three new VHS DES quasars at $z \approx 6.7$ ; $z \approx 6.9$ and emission line properties at $z \approx 6.5$ . <i>Monthly Notices of the Royal Astronomical Society</i> , 2019, 487, 1874-1885.	1.6	64

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73	Prompt photon cross section measurement in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1993, 48, 2998-3025.	1.6	63
74	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.	1.6	62
75	DES J0454+4448: discovery of the first luminous $z < 6$ quasar from the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 3952-3961.	1.6	60
76	Dark Energy Survey Year 1 results: curved-sky weak lensing mass map. Monthly Notices of the Royal Astronomical Society, 2018, 475, 3165-3190.	1.6	60
77	First Cosmology Results Using Type Ia Supernovae from the Dark Energy Survey: Photometric Pipeline and Light-curve Data Release. Astrophysical Journal, 2019, 874, 106.	1.6	60
78	Shadows in the Dark: Low-surface-brightness Galaxies Discovered in the Dark Energy Survey. Astrophysical Journal, Supplement Series, 2021, 252, 18.	3.0	56
79	A DARK ENERGY CAMERA SEARCH FOR AN OPTICAL COUNTERPART TO THE FIRST ADVANCED LIGO GRAVITATIONAL WAVE EVENT GW150914. Astrophysical Journal Letters, 2016, 823, L33.	3.0	55
80	Dark Energy Survey Year 1 Results: Cosmological Constraints from Cluster Abundances, Weak Lensing, and Galaxy Correlations. Physical Review Letters, 2021, 126, 141301.	2.9	55
81	Evidence for color coherence in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review D, 1994, 50, 5562-5579.	1.6	53
82	Dark Energy Survey Y3 results: blending shear and redshift biases in image simulations. Monthly Notices of the Royal Astronomical Society, 2021, 509, 3371-3394.	1.6	53
83	Search for New Gauge Bosons in $p\bar{p}$ Collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1992, 68, 1463-1467.	2.9	48
84	Measurement of the KL Charge Asymmetry. Physical Review Letters, 2002, 88, 181601.	2.9	48
85	Cosmology from large-scale galaxy clustering and galaxy-galaxy lensing with Dark Energy Survey Science Verification data. Monthly Notices of the Royal Astronomical Society, 2017, 464, 4045-4062.	1.6	48
86	Measurement of the isolated prompt photon cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.8\text{TeV}$ . Physical Review Letters, 1992, 68, 2734-2738.	2.9	47
87	Comparison of jet production in $p\bar{p}$ collisions at $\sqrt{s}=546$ and $1800\text{GeV}$ . Physical Review Letters, 1993, 70, 1376-1380.	2.9	47
88	Polarization of $\hat{\rho}$ and produced by 800-GeV protons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 338, 403-408.	1.5	47
89	Search for the decay $K_L^+ \rightarrow \pi^+ \pi^0 \pi^0$ using $e^+e^- \rightarrow \pi^+ \pi^- \pi^0$ . Physical Review D, 2000, 61, .	1.6	47
90	A two level fastbus based trigger system for CDF. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1988, 269, 51-62.	0.7	46

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91	Cross-correlation of gravitational lensing from DES Science Verification data with SPT and Planck lensing. Monthly Notices of the Royal Astronomical Society, 2016, 459, 21-34.	1.6	46
92	The Dark Energy Survey and operations: Year 1. Proceedings of SPIE, 2014, , .	0.8	45
93	Cross sections for the reactions $e^+e^- \rightarrow \mu^+\mu^-$ at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2014, 89, .	1.6	44
94	A new RASS galaxy cluster catalogue with low contamination extending to $z \approx 1$ in the DES overlap region. Monthly Notices of the Royal Astronomical Society, 2019, 488, 739-769.	1.6	44
95	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.	1.6	43
96	Birds of a Feather? Magellan/IMACS Spectroscopy of the Ultra-faint Satellites Grus II, Tucana IV, and Tucana V*. Astrophysical Journal, 2020, 892, 137.	1.6	43
97	Two-jet invariant mass distribution at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1990, 41, 1722-1725.	1.6	42
98	Dark Energy Survey Year 3 results: Curved-sky weak lensing mass map reconstruction. Monthly Notices of the Royal Astronomical Society, 2021, 505, 4626-4645.	1.6	42
99	Top-quark search in the electron + jets channel in proton-antiproton collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 1991, 43, 664-686.	1.6	41
100	Discovery of two gravitationally lensed quasars in the Dark Energy Survey. Monthly Notices of the Royal Astronomical Society, 2015, 454, 1260-1265.	1.6	41
101	A measurement of CMB cluster lensing with SPT and DES year 1 data. Monthly Notices of the Royal Astronomical Society, 2018, 476, 2674-2688.	1.6	41
102	Dark Energy Survey year 3 results: point spread function modelling. Monthly Notices of the Royal Astronomical Society, 2020, 501, 1282-1299.	1.6	41
103	Measurement of the $W$ -boson $p_T$ distribution in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1991, 66, 2951-2955.	2.9	40
104	Measurement of jet shapes in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1993, 70, 713-717.	2.9	40
105	Wide-Field Lensing Mass Maps from Dark Energy Survey Science Verification Data. Physical Review Letters, 2015, 115, 051301.	2.9	40
106	Astrometric Calibration and Performance of the Dark Energy Camera. Publications of the Astronomical Society of the Pacific, 2017, 129, 074503.	1.0	40
107	Measurement of the production and muonic decay rate of $W$ and $Z$ bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1992, 69, 28-32.	2.9	39
108	Dark Energy Survey Year 1 Results: calibration of redMaGiC redshift distributions in DES and SDSS from cross-correlations. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2427-2443.	1.6	39

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109	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> , 2021, 508, 3125-3165.	1.6	39
110	Measurement of the B-meson and b-quark cross sections at $\sqrt{s}=1.8$ TeV using the exclusive decay $B \rightarrow \tau^+ \nu_\tau K^0$ . <i>Physical Review Letters</i> , 1992, 68, 3403-3407.	2.9	37
111	Assessing tension metrics with dark energy survey and Planck data. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 505, 6179-6194.	1.6	37
112	Dark Energy Survey Year 3 Results: clustering redshifts and calibration of the weak lensing source redshift distributions with <i>redMaGiC</i> and BOSS/eBOSS. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 510, 1223-1247.	1.6	36
113	Measurement of the $e^+e^-$ Invariant-Mass Distribution in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991, 67, 2418-2422.	2.9	35
114	Measurement of the Decay $K_L \rightarrow \pi^0 \pi^0$ . <i>Physical Review Letters</i> , 1999, 83, 917-921.	2.9	35
115	Search for $B \rightarrow \tau^+ \nu_\tau K^0$ at the BaBar Experiment. <i>Physical Review Letters</i> , 2017, 118, 031802.	2.9	35
116	Dark Energy Survey Year 3 Results: Deep Field optical and near-infrared images and catalogue. <i>Monthly Notices of the Royal Astronomical Society</i> , 2021, 509, 3547-3579.	1.6	35
117	Search for Long-Lived Particles in $e^+e^-$ Collisions. <i>Physical Review Letters</i> , 2015, 114, 171801.	2.9	34
118	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.	1.6	34
119	Cosmological constraints from DES Y1 cluster abundances and SPT multiwavelength data. <i>Physical Review D</i> , 2021, 103, .	1.6	34
120	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.	1.6	34
121	Measurement of the Z-boson $p_T$ distribution in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. <i>Physical Review Letters</i> , 1991, 67, 2937-2941.	2.9	33
122	Chemical Abundance Analysis of Three $\alpha$ -poor, Metal-poor Stars in the Ultrafaint Dwarf Galaxy Horologium I*. <i>Astrophysical Journal</i> , 2018, 852, 99.	1.6	33
123	Search for $B \rightarrow \tau^+ \nu_\tau D^0$ . <i>Physical Review D</i> , 2015, 91, .	1.6	32
124	The LSST DESC DC2 Simulated Sky Survey. <i>Astrophysical Journal, Supplement Series</i> , 2021, 253, 31.	3.0	32
125	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.	1.6	32
126	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.	1.6	31



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127	Measurement of the cross section for production of two isolated prompt photons in $\sqrt{s}=1.8$ TeV $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1993, 70, 2232-2236.	2.9	31
128	DES Y1 Results: validating cosmological parameter estimation using simulated Dark Energy Surveys. Monthly Notices of the Royal Astronomical Society, 2018, 480, 4614-4635.	1.6	31
129	Dark Energy Survey Year 3 results: galaxy clustering and systematics treatment for lens galaxy samples. Monthly Notices of the Royal Astronomical Society, 2022, 511, 2665-2687.	1.6	31
130	Measurement of the ratio $\sigma(\text{W}^+\text{e}^{\frac{1}{2}})/\sigma(\text{Z}\nu\text{ee})$ in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1990, 64, 152-156.	2.9	30
131	Supernova host galaxies in the dark energy survey: I. Deep coadds, photometry, and stellar masses. Monthly Notices of the Royal Astronomical Society, 2020, 495, 4040-4060.	1.6	30
132	Search for $\text{W}\epsilon^2\hat{t}'\text{e}^{\frac{1}{2}}$ and $\text{W}\epsilon^2\hat{t}'\frac{1}{4}\frac{1}{2}$ in $p\bar{p}$ Collisions at $s=1.8$ TeV. Physical Review Letters, 1991, 67, 2609-2613.	2.9	29
133	Search for Light Gluinos via the Spontaneous Appearance of $\tilde{\text{E}}+\tilde{\text{E}}^-$ Pairs with an 800 GeV/c Proton Beam at Fermilab. Physical Review Letters, 1997, 79, 4083-4087.	2.9	29
134	First Measurement of Form Factors of the Decay $\tilde{0}\hat{t}'\tilde{\text{E}}+\text{e}\hat{t}'\frac{1}{2}\hat{A}^-$ . Physical Review Letters, 2001, 87, 132001.	2.9	29
135	Measurement of angular asymmetries in the decays $\tilde{0}\hat{t}'\tilde{\text{E}}+\text{e}\hat{t}'\frac{1}{2}\hat{A}^-$ . Physical Review D, 2016, 93, .	1.6	29
136	Measurement of W-boson production in 1.8-TeV $p\bar{p}$ collisions. Physical Review Letters, 1989, 62, 1005-1008.	2.9	28
137	Measurement of the $\tilde{0}\hat{t}'\tilde{\text{E}}+\text{e}\hat{t}'\frac{1}{2}\hat{A}^-$ decay branching fraction as a function of $\tilde{\text{E}}$ . Physical Review D, 2015, 91, .	1.6	28
138	Discovery and Physical Characterization of a Large Scattered Disk Object at 92 au. Astrophysical Journal Letters, 2017, 839, L15.	3.0	28
139	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.	1.6	28
140	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.	1.6	28
141	Jet-fragmentation properties in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1990, 65, 968-971.	2.9	27
142	Measurement of Drell-Yan electron and muon pair differential cross sections in $p\bar{p}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 1994, 49, R1-R6.	1.6	27
143	The Morphology and Structure of Stellar Populations in the Fornax Dwarf Spheroidal Galaxy from Dark Energy Survey Data. Astrophysical Journal, 2019, 881, 118.	1.6	27
144	Dark energy survey year 1 results: Constraining baryonic physics in the Universe. Monthly Notices of the Royal Astronomical Society, 2021, 502, 6010-6031.	1.6	27

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145	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.	3.0	27
146	Dark energy survey year 3 results: cosmological constraints from the analysis of cosmic shear in harmonic space. <i>Monthly Notices of the Royal Astronomical Society</i> , 2022, 515, 1942-1972.	1.6	27
147	Measurement of the ratio $B(W \rightarrow \tau^+ \nu_\tau) / B(W \rightarrow e^+ \nu_e)$ in $p\bar{p} \rightarrow W^+ \nu_e$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992, 68, 3398-3402.	2.9	26
148	Limits on the production of massive stable charged particles. <i>Physical Review D</i> , 1992, 46, R1889-R1894.	1.6	26
149	Search for the Weak Decay of a Lightly Bound $HD$ Dibaryon. <i>Physical Review Letters</i> , 2000, 84, 2593-2597.	2.9	26
150	Hierarchical Inference with Bayesian Neural Networks: An Application to Strong Gravitational Lensing. <i>Astrophysical Journal</i> , 2021, 909, 187.	1.6	26
151	Search for heavy stable particles in 1.8-TeV $p\bar{p} \rightarrow W^+ \nu_e$ collisions at the Fermilab collider. <i>Physical Review Letters</i> , 1989, 63, 1447-1450.	2.9	25
152	Measurement of the $B$ meson and quark cross sections at $\sqrt{s} = 1.8$ TeV using the exclusive decay $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$ . <i>Physical Review D</i> , 1994, 50, 4252-4257.	1.6	25
153	Search for the Decay $K_L \rightarrow \pi^0 e^+ e^-$ . <i>Physical Review Letters</i> , 2001, 86, 397-401.	2.9	25
154	Measurement of $B \rightarrow B^0$ mixing at the Fermilab Tevatron Collider. <i>Physical Review Letters</i> , 1991, 67, 3351-3355.	2.9	24
155	Dalitz plot analysis of $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$ . <i>Physical Review Letters</i> , 2019, 123, 091801.	2.9	24
156	Extraction of form factors from a four-dimensional angular analysis of $B \rightarrow \tau^+ \nu_\tau K^*(892)^0$ . <i>Physical Review Letters</i> , 2019, 123, 091801.	2.9	24
157	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> , 0, , .	1.6	24
158	A joint SZ $X$ -ray $\gamma$ -optical analysis of the dynamical state of 288 massive galaxy clusters. <i>Monthly Notices of the Royal Astronomical Society</i> , 2020, 495, 705-725.	1.6	24
159	Dijet angular distributions from $p\bar{p} \rightarrow W^+ \nu_e$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1989, 62, 3020-3023.	2.9	23
160	Dijet angular distribution in $p\bar{p} \rightarrow W^+ \nu_e$ collisions at $\sqrt{s} = 1.8$ TeV. <i>Physical Review Letters</i> , 1992, 69, 2896-2900.	2.9	23
161	Limit on the Branching Ratio of $K_L \rightarrow \pi^0 \tau^+ \tau^-$ . <i>Physical Review Letters</i> , 1994, 72, 3758-3761.	2.9	23
162	The dark energy survey and operations: years 1 to 3. <i>Proceedings of SPIE</i> , 2016, , .	0.8	23

#	ARTICLE	IF	CITATIONS
163	A catalogue of structural and morphological measurements for DES Y1. Monthly Notices of the Royal Astronomical Society, 2018, 481, 2018-2040.	1.6	23
164	Brown dwarf census with the Dark Energy Survey year 3 data and the thin disc scale height of early L types. Monthly Notices of the Royal Astronomical Society, 2019, 489, 5301-5325.	1.6	23
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