

J Ellison

List of Publications by Year in descending order

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154
papers

10,732
citations

31976

53
h-index

36028

97
g-index

154
all docs

154
docs citations

154
times ranked

7660
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of the Top Quark. Physical Review Letters, 1995, 74, 2632-2637.	7.8	1,100
2	The upgraded D \bar{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 463-537.	1.6	549
3	Observation and Properties of the X(3872) Decaying to $J/\psi + \psi(2S)$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 162002.	7.8	494
4	The D \bar{A} detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1994, 338, 185-253.	1.6	429
5	Search for dark matter, extra dimensions, and unparticles in monojet events in proton-proton collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 235.	3.9	320
6	A precision measurement of the mass of the top quark. Nature, 2004, 429, 638-642.	27.8	232
7	Measurement of the Forward-Backward Charge Asymmetry in Top-Quark Pair Production. Physical Review Letters, 2008, 100, 142002.	7.8	210
8	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	7.8	199
9	Measurement of the differential cross section for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2015, 75, 542.	3.9	191
10	Forward-backward asymmetry in top quark-antiquark production. Physical Review D, 2011, 84, .	4.7	188
11	Measurement of $B \rightarrow B^0$ Parameters from the Flavor-Tagged Decay $B^0 \rightarrow B^0 \psi(2S)$. Physical Review Letters, 2008, 101, 241801.	7.8	173
12	Search for dark matter and large extra dimensions in monojet events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	168
13	Measurement of the inclusive W and Z production cross sections in pp collisions at $\sqrt{s} = 7$ TeV with the CMS experiment. Journal of High Energy Physics, 2011, 2011, 1.	4.7	158
14	Strange particle production in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	139
15	Prompt and non-prompt J/ψ production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2011, 71, 1.	3.9	135
16	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	4.7	127
17	Measurement of differential top-quark-pair production cross sections in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 1.	3.9	125
18	CMS tracking performance results from early LHC operation. European Physical Journal C, 2010, 70, 1165-1192.	3.9	120

#	ARTICLE	IF	CITATIONS
19	Search for the top quark in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1994, 72, 2138-2142.	7.8	119
20	Measurement of the Top Quark Mass Using Dilepton Events. Physical Review Letters, 1998, 80, 2063-2068.	7.8	110
21	The production cross section and angular correlations in collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 264-272.	4.1	110
22	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	4.7	109
23	Direct measurement of the top quark mass by the $D\bar{A}$ Collaboration. Physical Review D, 1998, 58, .	4.7	107
24	Charged particle multiplicities in pp interactions at $\sqrt{s} = 0.9$, 2.36, and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	106
25	Inclusive $\frac{1}{4}$ and b-Quark Production Cross Sections in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 74, 3548-3552.	7.8	102
26	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $. Physical Review Letters, 2007, 98, 181802.	7.8	100
27	Measurement of the underlying event activity at the LHC with $\sqrt{s} = 7$ TeV and comparison with $\sqrt{s} = 0.9$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	97
28	Direct Measurement of the Top Quark Mass. Physical Review Letters, 1997, 79, 1197-1202.	7.8	96
29	b-Jet identification in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2010, 620, 490-517.	1.6	92
30	production in collisions at. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 370, 239-248.	4.1	87
31	Search for Light Top Squarks in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 2222-2227.	7.8	85
32	Search for High Mass Top Quark Production in $pp \rightarrow t\bar{t}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1995, 74, 2422-2426.	7.8	82
33	Search for Charged Higgs Bosons in Decays of Top Quark Pairs. Physical Review Letters, 1999, 82, 4975-4980.	7.8	82
34	Measurement of the top quark mass in the dilepton channel. Physical Review D, 1999, 60, .	4.7	80
35	Evidence for production of single top quarks. Physical Review D, 2008, 78, .	4.7	79
36	Measurement of the $C\bar{P}$ -violating phase $\arg(-i\lambda_{cb})$ in the flavor-tagged decay $t \rightarrow W^+ b \rightarrow W^+ J \nu$. Physical Review D, 2012, 85, .	4.7	75

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37	Studies of dijet transverse momentum balance and pseudorapidity distributions in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2014, 74, 1.	3.9	75
38	Top quark search with the DØ 1992–1993 data sample. Physical Review D, 1995, 52, 4877-4919.	4.7	74
39	Measurement of the $X(3872)$ production cross section via decays to $J/\psi + \bar{\psi}\psi$ in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	4.7	73
40	Measurement of the Top Quark Pair Production Cross Section in $p\bar{p}$ Collisions. Physical Review Letters, 1997, 79, 1203-1208.	7.8	70
41	Measurement of the $\overline{t}t$ production cross section in the dilepton channel in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	69
42	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, .	4.7	69
43	Cross Section for b -Jet Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 85, 5068-5073.	7.8	68
44	Search for Right-Handed W Bosons and Heavy W in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 1996, 76, 3271-3276.	7.8	67
45	Search for Doubly Charged Higgs Boson Pair Production in the Decay $t \rightarrow b + \tau + \tau$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 141801.	7.8	64
46	Measurement of the forward-backward asymmetry in top quark-antiquark production in $p\bar{p}$ collisions using the $\overline{t}t$ dilepton channel. Physical Review Letters, 2001, 86, 111801.	4.7	64
47	Search for single top quark production at $D\bar{A}^*$ using neural networks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 282-294.	4.1	59
48	Measurement of the lepton charge asymmetry in inclusive W production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	59
49	Search for anomalous $\overline{t}t$ production in the highly-boosted all-hadronic final state. Journal of High Energy Physics, 2012, 2012, 1.	4.7	58
50	Nuclear effects on the transverse momentum spectra of charged particles in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. European Physical Journal C, 2015, 75, 237.	3.9	58
51			

#	ARTICLE	IF	CITATIONS
55	Measurement of the $t\bar{t}$ production cross section and the top quark mass in the dilepton channel in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	53
56	Measurement of double-differential cross sections for top quark pair production in pp collisions at $\sqrt{s} = 8$ TeV and impact on parton distribution functions. European Physical Journal C, 2017, 77, 459.	3.9	52
57	Combination of CDF and D0 results on the W boson mass and width. Physical Review D, 2004, 70, .	4.7	50
58	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	50
59	The D0 Silicon Microstrip Tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 634, 8-46.	1.6	48
60	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	4.7	47
61	Experimental Discrimination between Charge $2e/3$ Top Quark and Charge $4e/3$ Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	7.8	47
62	Search for Production of Single Top Quarks via $t\bar{c}$ and $t\bar{u}$ Flavor-Changing-Neutral-Current Couplings. Physical Review Letters, 2007, 99, 191802.	7.8	45
63	Search for heavy bottom-like quarks in 4.9 fb^{-1} of pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	45
64	Measurement of the $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.96$ TeV using secondary vertex tagging. Physical Review D, 2006, 74, .	4.7	44
65	Search for new physics in X data at $D\bar{t}$ using SLEUTH: A quasi-model-independent search strategy for new physics. Physical Review D, 2000, 62, .	4.7	43
66	Measurement of top quark-antiquark pair production in association with a W or Z boson in pp collisions at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2014, 74, 3060.	3.9	43
67	Precision Measurement of the Top Quark Mass in $t\bar{t}$ Production in Association with a W or Z Boson in pp Collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231802.	7.8	43
68	Search for W Boson Pair Production in $t\bar{t}$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1995, 75, 1023-1027.	7.8	42
69	Model-independent measurement of t-channel single top quark production in $t\bar{t}$ production in pp collisions at $\sqrt{s} = 7$ TeV. Physical Review Letters, 2011, 106, 231802.	4.1	42
70	Measurement of the top-quark mass in $t\bar{t}$ events with dilepton final states in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 1.	3.9	42
71	Direct Search for Charged Higgs Bosons in Decays of Top Quarks. Physical Review Letters, 2002, 88, 151803.	7.8	40
72	Search for same-sign top-quark pair production at $\sqrt{s} = 7$ TeV and limits on flavour changing neutral currents in the top sector. Journal of High Energy Physics, 2011, 2011, 1.	4.7	40

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73	Small-Angle Muon and Bottom-Quark Production in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2000, 84, 5478-5483.	7.8	39
74	Inclusive b-jet production in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	39
75	Spin Correlation in pp Collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review Letters, 2000, 85, 256-261.	7.8	38
76	Search for heavy stable charged particles in pp collisions at $\sqrt{s} = 7\text{TeV}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	38
77	Search for electroweak production of single top quarks in pp collisions. Physical Review D, 2000, 63, .	4.7	37
78	Search for single top quark production in pp collisions at $\sqrt{s}=7\text{TeV}$ using the kinematic properties of events with leptons and jets. European Physical Journal C, 2011, 71, 1.	4.1	37
79	Measurement of the W boson helicity in top quark decays. Physical Review D, 2012, 85, .	3.9	37
80	Search for Charged Higgs Bosons Decaying into Top and Bottom Quarks in pp Collisions. Physical Review Letters, 2009, 102, 191802.	4.7	36
81	Measurement of the W boson helicity in top quark decays using pp collision data. Physical Review D, 2011, 83, .	7.8	35
82	Precise measurement of the top-quark mass from pp collisions. Physical Review D, 2011, 84, .	4.7	35
83	Measurement of the W boson helicity in top quark decays using pp collision data. Physical Review D, 2011, 83, .	4.7	35
84	Precise measurement of the top-quark mass from pp collisions. Physical Review D, 2011, 84, .	4.1	34
85	Measurement of the asymmetry in angular distributions of leptons produced in dilepton pp collisions. Physical Review Letters, 2009, 102, 191802.	4.1	34
86	Measurement of the W boson helicity in top quark decays using pp collision data. Physical Review D, 2011, 83, .	4.7	34
87	Measurement of $t\bar{t}$ production with additional jet activity, including b quark jets, in the dilepton decay channel using pp collisions at $\sqrt{s} = 8\text{TeV}$. European Physical Journal C, 2016, 76, 379.	3.9	34
88	Measurement of the Top Quark Pair Production Cross Section in the All-Jets Decay Channel. Physical Review Letters, 1999, 83, 1908-1913.	7.8	33
89	$t\bar{t}$ production cross section in pp collisions at $\sqrt{s}=1.8\text{TeV}$. Physical Review D, 2003, 67, .	4.7	33
90	Precise Measurement of the Top-Quark Mass from lepton+jets Events. Physical Review Letters, 2008, 101, 182001.	7.8	33

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91	Measurement of the relative branching ratio of $B \rightarrow \tau^+ \nu_\tau$ to $B \rightarrow \mu^+ \nu_\mu$. Physical Review D, 2012, 85, 072001. arXiv:1112.1719	4.7	33
92	Measurement of the underlying event in the Drell-Yan process in proton-proton collisions at $\sqrt{s} = 7\text{--}m_{\text{TeV}}$. European Physical Journal C, 2012, 72, 1.	3.9	33
93	Measurement of leptonic asymmetries and top-quark polarization in $t\bar{t}$ -production. Physical Review D, 2013, 87, .	4.7	33
94	Measurement of the W-Boson Mass Using Electrons at Large Rapidities. Physical Review Letters, 2000, 84, 222-227.	7.8	32
95	Measurement of the W-boson mass using large rapidity electrons. Physical Review D, 2000, 62, .	4.7	32
96	Measurement of $\overline{B} \rightarrow B$ angular correlations based on secondary vertex reconstruction at $\sqrt{s} = 7, \{ \text{TeV} \}$. Journal of High Energy Physics, 2011, 2011, 1.	4.7	32
97	Jet and underlying event properties as a function of charged-particle multiplicity in proton-proton collisions at $\sqrt{s} = 7 \text{ ext{TeV}}$. European Physical Journal C, 2013, 73, 2674.	3.9	32
98	Beam tests of the DAΦNE uranium liquid argon end calorimeters. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1993, 324, 53-76.	1.6	31
99	Measurements of single top quark production cross sections and $ V_{tb} $ in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$. Physical Review D, 2011, 84, .	4.7	31
100	Measurement of the top quark pair production cross section in $pp \rightarrow t\bar{t}$ collisions using multijet final states. Physical Review D, 1999, 60, .	4.7	30
101	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. Physical Review D, 2007, 75, .	4.7	30
102	Measurement of the $t\bar{t}$ production cross section and top quark mass extraction using dilepton events in $pp \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.1	30
103	Search for new physics in events with same-sign dileptons and b-tagged jets in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1.	4.7	30
104	Measurement of the W-boson helicity in top-quark decays from $t\bar{t}$ production in lepton+jets events in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	30
105	Studies of gauge boson pair production and trilinear couplings. Physical Review D, 1997, 56, 6742-6778.	4.7	29
106	Measurement of differential $t\bar{t}$ -production cross sections in $pp \rightarrow t\bar{t}$ collisions. Physical Review D, 2014, 90, .	4.7	29
107	Measurement of inclusive jet production and nuclear modifications in pPb collisions at $\sqrt{s_{NN}} = 5.02, \text{ TeV}$. European Physical Journal C, 2016, 76, 372.	3.9	29
108	Measurement of B_d mixing using opposite-side flavor tagging. Physical Review D, 2006, 74, .	4.7	28

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109	Combined D0 measurements constraining the CP-violating phase and width difference in the B_s system. Physical Review D, 2007, 76, .	4.7	28
110	Search for W boson production in the $b \rightarrow c$ decay channel. Physical Review D, 2007, 76, .	4.1	27
111	Measurement of the $t \rightarrow b$ production cross section in pp collisions using dilepton events. Physical Review D, 2007, 76, .	4.7	26
112	Search for CP violation in $B_s \rightarrow D_s X$ decays in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 82, .		26
113	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, .	4.7	26
114	Search for resonant t production in lepton+jets events in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	4.7	26
115	Measurement of the W boson helicity in events with a single reconstructed top quark in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	4.7	26
116	Study of the $t \rightarrow b$ production cross section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	26
117	Search for charged Higgs bosons in decays of top quarks. Physical Review D, 2009, 80, .	4.7	25
118	Measurement of energy flow at large pseudorapidities in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	25
119	Search for Charge $1/3$ Third-Generation Leptoquarks in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 1998, 81, 38-43.	7.8	24
120	Determination of the mass of the W boson using the D^0 detector at the Fermilab Tevatron. Physical Review D, 1998, 58, .	4.7	23
121	Inclusive b -hadron production cross section with muons in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.7	23
122	Precise Measurement of the Top Quark Mass in the Dilepton Channel at D0. Physical Review Letters, 2011, 107, 082004.	7.8	23
123	Search for Narrow t Resonances in pp Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2004, 92, 221801.		22
124	Search for large extra dimensions in the diphoton final state at the Large Hadron Collider. Journal of High Energy Physics, 2011, 2011, 1.	4.7	22
125	Search for anomalous W couplings in single top quark production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2011, 2011, 1.	4.1	22
126	Measurement of the top quark mass in final states with two leptons. Physical Review D, 2009, 80, .	4.7	21

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127	Measurement of the forward-backward asymmetry in the distribution of leptons in $\frac{d\sigma}{d\Omega}(\cos\theta) = \frac{d\sigma}{d\Omega}(\cos\theta) + \frac{d\sigma}{d\Omega}(\cos\theta)$	4.7	21
128	Measurement of the production fraction times branching fraction $f_b = \frac{\sigma(\text{had})}{\sigma(\text{had})} \times \text{BR}(b \rightarrow \text{had})$		

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145	Measurement of the inclusive $t\bar{t}$ production cross section in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2000, 62, .	4.7	11
146	Precise measurement of the top quark mass in dilepton decays using optimized neutrino weighting. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 752, 18-26.	4.1	10
147	Search for R-parity violation in multilepton final states in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2000, 62, .	4.7	9
148	Measurement of the top quark mass using the matrix element technique in dilepton final states. Physical Review D, 2016, 94, .	4.7	8
149	Properties of $Zc_{\pm}(3900)$ produced in pp collisions. Physical Review D, 2019, 100, .	4.7	8
150	Model independent search for new phenomena in pp collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2012, 85, 7.	4.7	7
151	Measurement of the electric charge of the top quark in $t\bar{t}$ events. Physical Review D, 2014, 90, .	4.7	6
152	Relative rates of B meson decays into $\tilde{\tau}(2S)$ and J/ψ mesons. Physical Review D, 2009, 79, .	4.7	5
153	Measurement of energy flow at large pseudorapidities in pp collisions at ($\sqrt{s} = 0.9$) and 7 TeV. Physical Review D, 2011, 2011, 1.	4.7	5
154	Combination of D0 measurements of the top quark mass. Physical Review D, 2017, 95, .	4.7	1