

# Karel Soustruznik

## List of Publications by Year in descending order

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Version: 2024-02-01

394  
papers

14,593  
citations

24978

57  
h-index

43802

91  
g-index

400  
all docs

400  
docs citations

400  
times ranked

8070  
citing authors

#	ARTICLE	IF	CITATIONS
1	The upgraded D $\tilde{A}$ detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 565, 463-537.	0.7	549
2	Observation and Properties of the X(3872) Decaying to $J/\psi + \tilde{A}$ in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2004, 93, 162002.	2.9	494
3	Measurement of the Forward-Backward Charge Asymmetry in Top-Quark Pair Production. Physical Review Letters, 2008, 100, 142002.	2.9	210
4	First Measurement of Electron Neutrino Appearance in NO $\nu$ A. Physical Review Letters, 2016, 116, 151806.	2.9	210
5	Evidence for a Particle Produced in Association with Weak Bosons and Decaying to a Bottom-Antibottom Quark Pair in Higgs Boson Searches at the Tevatron. Physical Review Letters, 2012, 109, 071804.	2.9	201
6	Observation of Single Top-Quark Production. Physical Review Letters, 2009, 103, 092001.	2.9	199
7	Measurement of the Inclusive Jet Cross Section in pp Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 062001.	2.9	191
8	Forward-backward asymmetry in top quark-antiquark production. Physical Review D, 2011, 84, .	1.6	188
9	Measurement of $\langle \mathcal{M} \rangle$ Parameters from the Flavor-Tagged Decay $B \rightarrow s \gamma$ . Physical Review Letters, 2008, 101, 241801.	2.9	173
10	Direct Limits on the Bs Oscillation Frequency. Physical Review Letters, 2006, 97, 021802.	2.9	172
11	Double parton interactions in jet events in pp collisions. Constraints on Oscillation Parameters from $B \rightarrow s \gamma$ . Physical Review Letters, 2008, 101, 241801.	1.6	144
12	Appearance and Disappearance in NO $\nu$ A. Physical Review Letters, 2017, 118, 231801.	2.9	138
13	Evidence for a $B \rightarrow s \gamma$ . Physical Review Letters, 2016, 117, 022003.	2.9	132
14	Evidence for an anomalous like-sign dimuon charge asymmetry. Physical Review D, 2010, 82, .	1.6	127
15	The muon system of the Run II D $\tilde{A}$ detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 552, 372-398.	0.7	117
16	Combination of Tevatron Searches for the Standard Model Higgs Boson in the $W \rightarrow W \gamma$ Mode. Physical Review Letters, 2010, 104, 061802.	2.9	114
17	The production cross section and angular correlations in collisions at $\sqrt{s} = 1.96$ TeV. Nuclear, Elementary Particle and High-Energy Physics, 2000, 487, 264-272.	1.5	110
18	Measurement of the Shape of the Boson-Transverse Momentum Distribution in $W \rightarrow Z \gamma$ . Physical Review Letters, 2008, 100, 102002.	2.9	110

#	ARTICLE	IF	CITATIONS
19	Combination of the top-quark mass measurements from the Tevatron collider. Physical Review D, 2012, 86, .	1.6	109
20	Evidence for an Anomalous Like-Sign Dimuon Charge Asymmetry. Physical Review Letters, 2010, 105, 081801.	2.9	108
21	Measurement of the $W$ Boson Mass with the D0 Detector. Physical Review Letters, 2012, 108, 151804.	2.9	104
22	Search for squarks and gluinos in events with jets and missing transverse energy using 2.1 fb <sup>-1</sup> of collision data at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 052001.	1.5	103
23	Measurement of the shape of the boson rapidity distribution for $Z \rightarrow \mu\mu$ collisions. Physical Review D, 2007, 76, .	1.6	101
24	Evidence for Production of Single Top Quarks and First Direct Measurement of $ V_{tb} $ . Physical Review Letters, 2007, 98, 181802.	2.9	100
25	Search for charged Higgs bosons in top quark decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 682, 278-286.	1.5	99
26	Higgs boson studies at the Tevatron. Physical Review D, 2013, 88, .	1.6	98
27	Direct Observation of the Strange Baryon $\Lambda_c^+$ . Physical Review Letters, 2007, 99, 052001.	2.9	93
28	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.	0.7	92
29	Measurement of the anomalous like-sign dimuon charge asymmetry with $\sqrt{s} = 1.96$ TeV collisions. Physical Review Letters, 2010, 105, 081801.	1.6	91
30	Measurement of the Neutrino Mixing Angle $\theta_{13}$ in NOvA. Physical Review Letters, 2017, 118, 151802.	2.9	87
31	Observation of the Exclusive Decay $B_c \rightarrow B^0 \mu^+ \mu^-$ in the Exclusive Decay $B_c \rightarrow B^0 \mu^+ \mu^-$ . Physical Review Letters, 2017, 118, 151802.	2.9	83
32	Measurement of the isolated photon cross section in $\sqrt{s} = 1.96$ TeV collisions at the Tevatron. Physical Review Letters, 2009, 103, 081801.	1.5	81
33	Measurement of Direct Angular Distributions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 103, 081801.	2.9	80
34	Searches for Quark Compositeness and Extra Spatial Dimensions. Physical Review Letters, 2009, 103, 081801.	1.6	81
35	Search for the $X$ particle. Physical Review D, 2008, 78, .	1.6	79
36	Evidence for production of single top quarks. Physical Review D, 2008, 78, .	1.6	79
36	Inclusive Jet Production in $p\bar{p}$ Collisions. Physical Review Letters, 2001, 86, 1707-1712.	2.9	77

#	ARTICLE	IF	CITATIONS
37	Observation of the flavor-tagged decay $B \rightarrow \bar{c} s$ violating phase $\arg(\langle B \rightarrow \bar{c} s \rangle / \langle B \rightarrow \bar{c} s \rangle)$ . Physical Review Letters, 2008, 101, 22002.	1.6	75
38	Observation of the Doubly Strange Baryon $\Lambda_b^0$ . Physical Review Letters, 2008, 101, 22002.	2.9	74
39	Orbital Excited $B_c$ Mesons. Physical Review Letters, 2008, 101, 22002.	1.6	72
40	First measurement of muon-neutrino disappearance in NOvA. Physical Review D, 2016, 93, .	1.6	71
41	Search for Large Extra Dimensions in Dielectron and Diphoton Production. Physical Review Letters, 2001, 86, 1156-1161.	2.9	70
42	Combination of measurements of the top-quark pair production cross section from the Tevatron Collider. Physical Review D, 2014, 89, .	1.6	69
43	Cross Section for Jet Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2000, 85, 5068-5073.	2.9	68
44	Search for the rare decay $B \rightarrow \bar{c} s$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 693, 539-544.	1.5	67
45	Measurement of the W Boson Mass. Physical Review Letters, 2009, 103, 141801.	2.9	66
46	Combination of CDF and D0 W-Boson mass measurements. Physical Review D, 2013, 88, .	1.6	66
47	Search for Doubly Charged Higgs Boson Pair Production in the Decay $t \rightarrow W^+ W^+ \bar{c} b$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 141801.	2.9	64
48	Measurement of the Electron Charge Asymmetry in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 92, 141801.	2.9	64
49	Measurement of the forward-backward asymmetry in top quark-antiquark production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 92, 141801.	1.6	64
50	Measurement of the forward-backward asymmetry in top quark-antiquark production in $p\bar{p}$ collisions using the $B \rightarrow \bar{c} s$ decay. Physical Review Letters, 2008, 92, 141801.	1.6	64
51	Observation and Properties of the Orbital Excited $B_c$ Mesons. Physical Review Letters, 2008, 101, 22002.	2.9	63
52	Precise Study of the Transverse Momentum Distribution in $p\bar{p}$ Collisions Using a $B \rightarrow \bar{c} s$ Decay. Physical Review Letters, 2008, 92, 141801.	2.9	62
53	Search for the rare decay $B \rightarrow \bar{c} s$ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 92, 141801.	1.5	60
54	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.	1.5	59

#	ARTICLE	IF	CITATIONS
55	Measurement of the differential cross section $d\sigma/d\Omega d\cos\theta$ of the top quark from the $t\bar{t}$ masses of the top quark from the $t\bar{t}$ elastic scattering at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 101, 182004.	1.5	59
56	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb <sup>-1</sup> of data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 34-43.	1.6	59
57	Observation and studies of double $J/\psi$ production at the Tevatron. Physical Properties of $J/\psi$ $L \times L = 1.96$ TeV. Physical Review Letters, 2008, 101, 182004.	2.9	58
58	Search for associated production of charginos and neutralinos in the trilepton final state using 2.3 fb <sup>-1</sup> of data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 680, 34-43.	1.5	58
59	Observation and studies of double $J/\psi$ production at the Tevatron. Physical Properties of $J/\psi$ $L \times L = 1.96$ TeV. Physical Review Letters, 2008, 101, 182004.	1.6	58
60	Measurement of the muon charge asymmetry from $W$ boson decays. Physical Review D, 2008, 77, .	2.9	57
61	Improved determination of the width of the top quark. Physical Review D, 2012, 85, .	2.9	56
62	Measurement of the muon charge asymmetry from $W$ boson decays. Physical Review D, 2008, 77, .	1.6	56
63	Improved determination of the width of the top quark. Physical Review D, 2012, 85, .	1.6	56
64	Observation of $s$ -Channel Production of Single Top Quarks at the Tevatron. Physical Review Letters, 2014, 112, 231803.	2.9	56
65	Helicity of the $W$ boson in lepton+jet channels. Physical Review Letters, 2009, 103, 061801.	2.9	55
66	Bounds on an Anomalous Dijet Resonance in $W$ +jets Production in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2011, 107, 011804.	2.9	55
67	Measurement of differential cross sections in $W$ jet cross sections in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 121801.	1.5	54
68	Lifetime Difference and CP-Violating Phase in the $B_s^0$ System. Physical Review Letters, 2007, 98, 121801.	2.9	53
69	Search for scalar top quarks in the acoplanar charm jets and missing transverse energy final state in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 092001.	1.5	53
70	Measurement of the Lifetime of the $B_s^0$ in the Semileptonic Decay Channel. Physical Review Letters, 2009, 102, 092001.	2.9	53
71	Search for Long-Lived Charged Massive Particles with the D0 Detector. Physical Review Letters, 2009, 102, 161802.	2.9	52

#	ARTICLE	IF	CITATIONS
73	Search for new particles in the two-jet decay channel with the D $\bar{A}$ detector. Physical Review D, 2004, 69, .	1.6	51
74	Search for $W \rightarrow B \rightarrow T \bar{Q}$ Resonances Decaying to a Top Quark and a Bottom Quark. Physical Review Letters, 2008, 100, 211803.	2.9	51
75	Combination of CDF and D0 results on the W boson mass and width. Physical Review D, 2004, 70, .	1.6	50
76	Measurement of the $t \bar{t}$ production cross section in $p \bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 082002.	1.6	50
77	Evidence for Spin Correlation in $t \bar{t}$ Production. Physical Review Letters, 2012, 108, 032004.	2.9	50
78	Ratio of Isolated Photon Cross Sections in $pp \rightarrow \gamma \gamma$ Collisions at $\sqrt{s} = 630$ and 1800 GeV. Physical Review Letters, 2001, 87, 251805.	2.9	48
79	Determination of the strong coupling constant from the inclusive jet cross section in $pp \rightarrow \text{jets}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	1.6	48
80	Measurement of direct photon pair production cross sections in $pp \rightarrow \gamma \gamma$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	1.5	48
81	Search for flavor-changing neutral currents via quark-gluon couplings in single top quark production using 2.3 fb $^{-1}$ of $pp \rightarrow \text{jets}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	1.5	48
82	Measurement of the $t \bar{t}$ production cross section in $pp \rightarrow \text{jets}$ collisions. Physical Review Letters, 2001, 87, 251805.	1.5	48
83	Search for Large Extra Dimensions via Single Photon plus Missing Energy Final States at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	1.6	48
84	Measurement of the top quark mass in the lepton+jets final state with the matrix element method. Physical Review D, 2006, 74, .	1.6	47
85	Experimental Discrimination between Charge 2e/3 Top Quark and Charge 4e/3 Exotic Quark Production Scenarios. Physical Review Letters, 2007, 98, 041801.	2.9	47
86	First Study of the Radiation-Amplitude Zero in $t \bar{t}$ Production and Limits on Anomalous $W \rightarrow B \rightarrow T \bar{Q}$ Couplings. Physical Review Letters, 2007, 98, 041801.	2.9	47
87	Search for Large Extra Dimensions via Single Photon plus Missing Energy Final States at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	2.9	47
88	Measurement of the normalized $Z \rightarrow t \bar{t}$ transverse momentum distribution in $pp \rightarrow \text{jets}$ collisions. Physical Review Letters, Section B: Nuclear, Elementary Particle Physics, 2001, 87, 251805.	1.5	46
89	Measurement of the $t \bar{t}$ production cross section in $pp \rightarrow \text{jets}$ and $pp \rightarrow \text{jets} + \gamma$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2001, 87, 251805.	2.9	45
90	TeVatron Combination of Single-Top-Quark Cross Sections and Determination of the Magnitude of the Cabibbo-Kobayashi-Maskawa Matrix Element $V_{cb}$ . Physical Review Letters, 2015, 115, 152003.	2.9	45

#	ARTICLE	IF	CITATIONS
91	Measurement of the $\tilde{t}\tilde{t}^*$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using secondary vertex tagging. Physical Review D, 2006, 74, .	1.6	44
92	Search for Pair Production of Doubly Charged Higgs Bosons in the $H^{++}H^{--}$ Final State. Physical Review Letters, 2008, 101, 071803.	2.9	44
93	Search for $\tilde{W}\tilde{W}^*$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using secondary vertex tagging. Physical Review Letters, 2008, 100, 031804.	2.9	44
94	Search for $\tilde{W}\tilde{W}^*$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV using secondary vertex tagging. Physical Review Letters, 2008, 100, 031804.	1.5	44
95	Search for new physics in $\tilde{t}\tilde{t}^*$ data at $\tilde{D}$ using SLEUTH: A quasi-model-independent search strategy for new physics. Physical Review D, 2000, 62, .	1.6	43
96	Precision Measurement of the Top Quark Mass in $\tilde{t}\tilde{t}^*$ Production. Physical Review Letters, 2008, 100, 031804.	2.9	43
97	Measurement of the CP-violation parameter of $B^0$ mixing and decay with $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2006, 74, .	1.6	42
98	Search for Resonant Pair Production of Neutral Long-Lived Particles Decaying to $b\bar{b}$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	2.9	42
99	Measurement of differential cross sections of $\tilde{t}\tilde{t}^*$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	1.5	42
100	Measurement of $\tilde{t}\tilde{t}^*$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 071801.	1.5	40
101	Precision Measurement of the Ratio $B(\tilde{t}\tilde{t}^*W_b)/B(\tilde{t}\tilde{t}^*W_q)$ and Extraction of $V_{tb}$ . Physical Review Letters, 2011, 107, 121802.	2.9	41
102	Measurement of the semileptonic charge asymmetry in $B^0$ meson mixing with the D0 detector. Physical Review D, 2012, 86, .	1.6	41
103	Measurement of the semileptonic charge asymmetry in $B^0$ meson mixing with the D0 detector. Physical Review D, 2012, 86, .	2.9	41
104	Measurement of $\tilde{t}\tilde{t}^*$ production cross sections in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	2.9	40
105	Measurement of $\tilde{t}\tilde{t}^*$ production cross sections in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	2.9	40
106	Quasi-Model-Independent Search for New High- $p_T$ Physics at D0. Physical Review Letters, 2001, 86, 3712-3717.	2.9	39
107	Search for $\tilde{t}\tilde{t}^*$ production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 192002.	1.5	39
108	Measurement of the t-channel single top quark production cross section. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 682, 363-369.	1.5	39

#	ARTICLE	IF	CITATIONS
109	Study of $C$ and $P$ -violating charge asymmetries of single muons and like-sign dimuons in $W$ -production cross section with dilepton final states in $pp$ -collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	1.5	39
110	Measurement of the $W$ production cross section with dilepton final states in $pp$ -collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	1.6	39
111	Measurement of the $W$ production cross section with dilepton final states in $pp$ -collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	1.6	39
112	Measurement of the $W$ production cross section with dilepton final states in $pp$ -collisions at $\sqrt{s}=1.96$ TeV and limits on anomalous trilinear gauge couplings. Physical Review Letters, 2009, 103, 191801.	2.9	38
113	Observation of a narrow mass state decaying into $\Upsilon(1S) + \bar{\nu}_\tau$ in $p\bar{p}$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2012, 86, .	1.6	38
114	Measurement of angular correlations of jets at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2013, 110, 011801.	1.5	38
115	Search for single top quark production in $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2013, 110, 011801.	2.9	38
116	Search for single top quark production in $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2013, 110, 011801.	1.5	37
117	Search for Stopped Gluinos from $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 131801.	1.5	37
118	Search for Stopped Gluinos from $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 131801.	2.9	37
119	Combination of CDF and D0 measurements of the $W$ boson helicity in top quark decays. Physical Review Letters, 2011, 107, 231801.	1.6	36
120	Measurement of the $W$ boson helicity in top quark decays. Physical Review Letters, 2011, 107, 231801.	2.9	35
121	Search for Charged Higgs Bosons Decaying into Top and Bottom Quarks in $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 103, 151801.	2.9	35
122	Search for Randall-Sundrum Gravitons in the Dielectron and Diphoton Final States with $W$ Production. Physical Review Letters, 2009, 103, 151801.	2.9	35
123	Data from $W$ boson helicity in top quark decays using $5.4$ fb $^{-1}$ of $pp$ -collision data. Physical Review D, 2011, 83, .	1.6	35
124	Precise measurement of the top-quark mass from $W$ -lepton $+$ jets events at D0. Physical Review D, 2011, 84, .	1.6	35
125	Production rates as a function of jet transverse momentum in $pp$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 101, 111801.	1.5	35
126	Search for flavor changing neutral currents in decays of top quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 701, 313-320.	1.5	35



#	ARTICLE	IF	CITATIONS
127	Dependence of the $\sigma(\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV})$ on the $\text{top quark mass } m_t$ . Physical Review D, 2001, 64, .	1.5	35
128	Quasi-model-independent search for new physics at large transverse momentum. Physical Review D, 2001, 64, .	1.6	34
129	Measurement of the $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2001, 86, 161801.	1.5	34
130	Measurement of the $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2001, 86, 161801.	1.5	34
131	Search for Higgs Boson Production in Dilepton and Missing Energy Final States with $\sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2010, 104, 061804.	2.9	34
132	Measurement of spin correlation in $t\bar{t}$ production using dilepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 702, 16-23.	1.5	34
133	Measurement of Spin Correlation in $t\bar{t}$ Production Using a Matrix Element Approach. Physical Review Letters, 2011, 107, 161801.	2.9	34
134	Measurement of the asymmetry in angular distributions of leptons produced in dilepton final states in $t\bar{t}$ collisions. Physical Review Letters, 2011, 107, 161801.	1.6	34
135	Measurement of the $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ and $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2014, 89, 161801.	1.6	34
136	Precise Measurement of the Top-Quark Mass from lepton+jets Events. Physical Review Letters, 2008, 101, 182001.	2.9	33
137	Model-Independent Measurement of the W-Boson Helicity in Top-Quark Decays at D0. Physical Review Letters, 2008, 100, 062004.	2.9	33
138	Dependence of the $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ on the $\text{top quark mass } m_t$ . Physical Review D, 2001, 64, .	1.5	33
139	Combined Tevatron upper limit on $\text{top quark production cross section in } t\bar{t} \text{ collisions at } \sqrt{s} = 1.96 \text{ TeV}$ and constraints on the Higgs boson mass in fourth-generation fermion models. Physical Review D, 2010, 82, .	1.6	33
140	Determination of the Width of the Top Quark. Physical Review Letters, 2011, 106, 022001.	2.9	33
141	Production and Limits on Anomalous $W$ Couplings in $t\bar{t}$ Collisions. Physical Review Letters, 2011, 106, 022001.	2.9	33
142	Measurement of the relative branching ratio of $t \rightarrow Wb$ and $t \rightarrow Wc$ . Physical Review Letters, 2012, 109, 021801.	1.6	33
143	Limits on anomalous trilinear gauge boson couplings from $W$ , $Z$ and $WZ$ production in $t\bar{t}$ collisions. Physical Review D, 2012, 85, .	1.5	33
144	Measurement of the muon charge asymmetry in $t\bar{t}$ collisions at $\sqrt{s} = 1.96 \text{ TeV}$ . Physical Review Letters, 2011, 107, 161801.	1.6	33

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145	Measurement of the differential production cross section at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 97, 121802.	1.5	33
146	Search for Higgs Bosons Decaying to Tau Pairs in $\sqrt{s}=1.96$ TeV Collisions with the D0 Detector. Physical Review Letters, 2006, 97, 121802.	1.6	33
147	Measurement of leptonic asymmetries and top-quark polarization in $\sqrt{s}=1.96$ TeV production. Physical Review D, 2013, 87, .	1.6	33
148	Search for Higgs Bosons Decaying to Tau Pairs in $\sqrt{s}=1.96$ TeV Collisions with the D0 Detector. Physical Review Letters, 2008, 101, 071804.	2.9	32
149	Search for Resonant Diphoton Production with the D0 Detector. Physical Review Letters, 2009, 102, 231801.	2.9	32
150	Search for neutral Higgs bosons in the multi-b-jet topology in $\sqrt{s}=1.96$ TeV collisions at the D0 detector. Physical Review Letters, 2009, 102, 231801.	1.5	32
151	Search for Violation of Lorentz Invariance in Top Quark Pair Production and Decay. Physical Review Letters, 2012, 108, 261603.	2.9	32
152	Combined Search for the Standard Model Higgs Boson Decaying to $b\bar{b}$ Using the D0 Run II Data Set. Physical Review Letters, 2012, 109, 121802.	2.9	32
153	Measurement of the ratios of the differential production cross sections to the total inclusive jet production cross sections in $\sqrt{s}=1.96$ TeV collisions at the D0 detector. Physical Review Letters, 2009, 102, 231801.	1.5	32
154	Measurement of the Forward-Backward Charge Asymmetry and Extraction of $\sin^2 2\theta_W$ in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2008, 101, 191801.	2.9	31
155	Measurements of single top quark production cross sections and $ V_{tb} $ in $\sqrt{s}=1.96$ TeV collisions. Physical Review D, 2011, 84, .	1.6	31
156	Search for anomalous quartic couplings in dielectron and missing energy final states in $\sqrt{s}=1.96$ TeV collisions. Physical Review Letters, 2009, 102, 051601.	1.5	31
157	Search for Neutral Higgs Bosons Decaying to Tau Pairs in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2006, 97, 121802.	1.6	31
158	Search for Neutral Higgs Bosons Decaying to Tau Pairs in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2006, 97, 121802.	2.9	30
159	Measurement of the top quark mass in the lepton+jets channel using the ideogram method. Physical Review D, 2007, 75, .	1.6	30
160	Search for Large Extra Spatial Dimensions in the Dielectron and Diphoton Channels in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2009, 102, 051601.	2.9	30
161	Search for Large Extra Spatial Dimensions in the Dielectron and Diphoton Channels in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2009, 102, 051601.	2.9	30
162	Search for Large Extra Spatial Dimensions in the Dielectron and Diphoton Channels in $\sqrt{s}=1.96$ TeV Collisions. Physical Review Letters, 2009, 102, 051601.	2.9	30

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163	Measurement of the $t\bar{t}$ production cross section and top quark mass extraction using dilepton events in $\sqrt{s}=1.96$ TeV collisions at the D0 detector. <i>Physical Review Letters</i> , 2001, 87, 061802.	1.5	30
164	Search for a narrow resonance in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2001, 87, 061802.	1.6	30
165	Search for Heavy Particles Decaying into Electron-Positron Pairs in $p\bar{p}$ Collisions. <i>Physical Review Letters</i> , 2001, 87, 061802.	2.9	29
166	Measurement of the $W$ Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2005, 94, 151801.	2.9	29
167	Search for Large Extra Spatial Dimensions in Dimuon Production with the D0 Detector. <i>Physical Review Letters</i> , 2005, 95, 161602.	2.9	29
168	Search for Neutral, Long-Lived Particles Decaying into Two Muons in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 97, 161802.	2.9	29
169	Search for supersymmetry in di-photon final states at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 97, 161802.	2.9	29
170	Measurement of the differential cross sections for isolated direct photon pair production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 97, 161802.	1.5	29
171	Measurement of differential $t\bar{t}$ production cross sections in $p\bar{p}$ collisions. <i>Physical Review D</i> , 2014, 90, .	1.6	29
172	Differential cross section for $w$ boson production as a function of transverse momentum in collisions at TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2001, 513, 292-300.	1.5	28
173	Search for Pair Production of Scalar Bottom Quarks in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2006, 97, 171806.	2.9	28
174	Measurement of $B_d$ mixing using opposite-side flavor tagging. <i>Physical Review D</i> , 2006, 74, .	1.6	28
175	Combined D0 measurements constraining the CP-violating phase and width difference in the $B_s$ system. <i>Physical Review D</i> , 2007, 76, .	1.6	28
176	Search for Anomalous $Wtb$ Couplings in Single Top Quark Production. <i>Physical Review Letters</i> , 2008, 101, 221801.	2.9	28
177	Measurement of the $WZ$ production cross section in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008, 101, 221801.	2.9	28
178	Measurement of the $WZ$ production cross sections using leptonic final states in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. <i>Physical Review Letters</i> , 2008, 101, 221801.	1.6	28
179	Measurement of the ratio of the $W$ boson production in the $WZ$ decay channel. <i>Physical Review Letters</i> , 2008, 101, 221801.	1.5	27
180	Measurement of the ratio of the $W$ boson production in the $WZ$ decay channel. <i>Physical Review Letters</i> , 2008, 101, 221801.	1.5	27

#	ARTICLE	IF	CITATIONS
181	Measurement of the differential cross section for the production of an isolated photon with associated jet in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051801.	1.5	27
182	Measurement of the Semileptonic Branching Ratio of $B_s^0$ to an Orbitally Excited $D_s^{**}$ State: $\text{Br}(B_s^0 \rightarrow D_{s1}^+ \pi^-)$ . Physical Review Letters, 2009, 102, 051801.	2.9	27
183	Search for a Fourth Generation Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051801.	1.5	27
184	Search for a Fourth Generation Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051801.	2.9	27
185	Search for a Fourth Generation Quark in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051801.	2.9	27
186	Measurement of the dijet invariant mass cross section in $p\bar{p}$ collisions using dilepton events. Physical Review D, 2007, 76, .	1.6	26
187	Search for CP violation in $B_s^0 \rightarrow D_s^+ \pi^-$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.5	26
188	Search for CP violation in $B_s^0 \rightarrow D_s^+ \pi^-$ decays in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2010, 82, .	1.6	26
189	Direct measurement of the mass difference between top and antitop quarks. Physical Review D, 2011, 84, .	1.6	26
190	Search for Supersymmetry via Associated Production of Charginos and Neutralinos in Final States with Three Leptons. Physical Review Letters, 2005, 95, 151805.	2.9	25
191	Search for $B_s^0 \rightarrow D_s^+ \pi^-$ decays at D0. Physical Review D, 2007, 76, .	1.6	25
192	Search for Dark Photons from Supersymmetric Hidden Valleys. Physical Review Letters, 2009, 103, 081802.	2.9	25
193	Measurement of the differential cross section for the production of an isolated photon with associated jet in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 051801.	1.5	27

#	ARTICLE	IF	CITATIONS
199	Measurement of the $W \rightarrow b\bar{c}$ Lifetime in the Exclusive Decay $W \rightarrow b\bar{c}$ . Physical Review Letters, 2007, 99, 142001.	2.9	24
200	Measurement of the Charge Asymmetry in Semileptonic $B_s^0$ Decays. Physical Review Letters, 2007, 98, 151801.	2.9	24
201	Search for Diphoton Events with Large Missing Transverse Energy in $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 221802.	2.9	24
202	Jet energy scale determination in the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 442-475.	0.7	24
203	Measurement of the $W$ Boson Production Charge Asymmetry in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 142001.	2.9	24
204	Search for right-handed $W$ bosons in top quark decay. Physical Review D, 2005, 72, .	1.6	23
205	$Z\bar{Z}$ production and limits on anomalous $Z\bar{Z}$ and $Z\bar{Z}\gamma$ couplings in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 142001.	1.5	23
206	Search for the lightest scalar top quark in events with two leptons in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 142001.	1.5	23
207	Measurement of $\sin^2 \theta_{13}$ and $Z$ -light quark couplings using the forward-backward charge asymmetry in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	1.6	23
208	Measurement of the $WZ$ cross section and limits on anomalous triple gauge couplings in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 695, 67-73.	1.5	23
209	Precise Measurement of the Top Quark Mass in the Dilepton Channel at D0. Physical Review Letters, 2011, 107, 082004.	2.9	23
210	Combination of searches for anomalous top quark couplings with $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 142001.	1.5	23
211	Measurements of $W$ and $WZ$ Production in $W$ +jets Final States in $pp$ Collisions. Physical Review Letters, 2012, 108, 181803.	2.9	23
212	Search for Narrow $tt$ Resonances in $pp$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2004, 92, 221801.	2.9	22
213	Measurement of the $pp \rightarrow W\gamma + X$ cross section at $\sqrt{s} = 1.96$ TeV and $WW$ anomalous coupling limits. Physical Review D, 2005, 71, .	1.6	22
214	Search for the pair production of scalar top quarks in the acoplanar charm jet final state in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 645, 119-127.	1.5	22
215	Search for Third Generation Scalar Leptoquarks Decaying into $W$ and $Z$ bosons in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 082001.	2.9	22
216	Measurement of the $W$ Boson Production Cross Section and Limits on Anomalous $WW$ couplings in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 142001.	2.9	22

#	ARTICLE	IF	CITATIONS
217	Search for pair production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	1.5	22
218	Azimuthal decorrelations and multiple parton interactions in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review Letters, 2009, 93, 061801.	1.6	22
219	Results from a new combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 449, 461-477.	1.5	22
220	Search for first-generation scalar leptoquarks in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review D, 2005, 71, 014011.	1.6	21
221	Search for Third-Generation Scalar Leptoquarks in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review Letters, 2009, 93, 061801.	2.9	21
222	Data from $\sqrt{s}=1.96$ TeV pp collisions. Physical Review Letters, 2009, 93, 061801.	2.9	21
223	Search for pair production of first-generation leptoquarks in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review Letters, 2009, 93, 061801.	1.5	21
224	Measurement of the top quark mass in final states with two leptons. Physical Review D, 2009, 80, 034011.	1.6	21
225	Search for Charged Massive Long-Lived Particles. Physical Review Letters, 2012, 108, 121802.	2.9	21
226	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.	1.6	21
227	Search for the standard model Higgs boson in the $Z\gamma$ channel. Physical Review Letters, 2009, 93, 061801.	1.5	21
228	Measurement of the forward-backward asymmetry in the distribution of leptons in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review D, 2014, 89, 034011.	1.6	21
229	Measurement of the top quark mass in all-jet events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 25-33.	1.5	20
230	Search for Long-Lived Particles Decaying into Electron or Photon Pairs with the D0 Detector. Physical Review Letters, 2008, 101, 111802.	2.9	20
231	Search for Anomalous Top-Quark Couplings with the D0 Detector. Physical Review Letters, 2009, 102, 092002.	2.9	20
232	Search for a scalar or vector particle decaying into $Z\gamma$ in $\sqrt{s}=1.96$ TeV pp collisions. Physical Review Letters, 2009, 93, 061801.	1.5	20
233	Measurement of the top quark mass in all-jet events. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 606, 25-33.	1.5	20
234	Search for pair production of second generation scalar leptoquarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2009, 671, 224-232.	1.5	20

#	ARTICLE	IF	CITATIONS
235	Search for Events with Leptonic Jets and Missing Transverse Energy in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2010, 105, 211802.	2.9	20
236	Measurement of the production fraction times branching fraction $f \times \text{Br}(b \rightarrow \tau^+ \nu_\tau)$		

#	ARTICLE	IF	CITATIONS
253	Measurement of the $b$ lifetime in the Decay $J/\psi \rightarrow b\bar{b}$ with the D0 Detector. Physical Review Letters, 2005, 94, 102001.	2.9	18
254	Search for pair production of second generation scalar leptoquarks in $pp \rightarrow \tau^+ \tau^- + \text{leptoquark} + \text{leptoquark}^*$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 95, 101801.	1.5	18
255	Multivariate searches for single top quark production with the D0 detector. Physical Review D, 2007, 75, .	1.6	18
256	Search for pair production of the scalar top quark in the electron+muon final state. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2011, 696, 321-327.	1.5	18
257	Search for Resonant $W$ and $Z$ Production in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 011801.	2.9	18
258	Search for Single Vectorlike Quarks in $pp \rightarrow \tau^+ \tau^- + \text{vectorlike quark} + \text{vectorlike quark}^*$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 106, 081801.	2.9	18
259	Combined search for the Higgs boson with the D0 experiment. Physical Review D, 2013, 88, .	1.6	18
260	Improved $b$ quark jet identification at the D0 experiment. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2014, 763, 290-303.	0.7	18
261	Simultaneous measurement of forward-backward asymmetry and top polarization in dilepton final states from $pp \rightarrow \tau^+ \tau^- + \text{top} + \text{top}^*$ production at the Tevatron. Physical Review D, 2015, 92, .	1.6	18
262	Search for Supersymmetry with Gauge-Mediated Breaking in Diphoton Events at D0. Physical Review Letters, 2005, 94, 041801.	2.9	17
263	Measurement of the $W$ boson helicity in top quark decays at D0. Physical Review D, 2007, 75, .	1.6	17
264	Observation of $ZZ$ Production in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 171803.	2.9	17
265	Search for $ZH \rightarrow \tau^+ \tau^- + b\bar{b}$ Production in $pp \rightarrow \tau^+ \tau^- + \text{top} + \text{top}^*$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 251801.	2.9	17
266	Search for a Fermiophobic and Standard Model Higgs Boson in Diphoton Final States. Physical Review Letters, 2011, 107, 151801.	2.9	17
267	Search for neutral Higgs bosons in events with multiple bottom quarks at the Tevatron. Physical Review D, 2012, 86, .	1.6	17
268	Measurement of Associated Production of $Z$ Bosons with Charm Quark Jets in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2014, 112, 042001.	2.9	17
269	Observation of diffractively produced $W$ and $Z$ bosons in $p\bar{p}$ collisions at $\sqrt{s} = 1800$ GeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 574, 169-179.	1.5	16
270	Study of $Z \rightarrow \tau^+ \tau^-$ Events and Limits on Anomalous $Z \tau^+ \tau^-$ and $Z \tau^+ \tau^-$ Couplings in $pp \rightarrow \tau^+ \tau^-$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2005, 95, 051802.	2.9	16



#	ARTICLE	IF	CITATIONS
271	Measurement of the Bs0 Lifetime in the Exclusive Decay Channel Bs0 → J/ψ K <sup>±</sup> . Physical Review Letters, 2005, 94, 042001. Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	2.9	16
272	Search for the lightest scalar top quark in events with two leptons in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	1.5	16
273	A combined search for the standard model Higgs boson at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2008, 663, 26-36.	1.5	16
274	Search for Decay of a Fermiophobic Higgs Boson $h \rightarrow \tau\tau$ with the D0 Detector at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	2.9	16
275	Direct Measurement of the Mass Difference between Top and Antitop Quarks. Physical Review Letters, 2009, 103, 132001.	2.9	16
276	Search for a Resonance Decaying into WZ Boson Pairs in $p\bar{p}$ Collisions. Physical Review Letters, 2010, 104, 061801.	2.9	16
277	Search for first generation leptoquark pair production in the electron + missing energy + jets final state. Physical Review D, 2011, 84.	1.6	16
278	Search for WH associated production in $5.3 \text{ fb}^{-1}$ of $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 111801.	1.5	16
279	Search for the Standard Model Higgs Boson in $ZH \rightarrow \tau\tau$ Production with the D0 Detector in $9.7 \text{ fb}^{-1}$ of $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2012, 109, 121803.	2.9	16
280	Search for Higgs bosons of the minimal supersymmetric standard model in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	1.5	16
281	Precision measurement of the top quark mass in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 221802.	1.6	16
282	Hadronic shower development in Iron-Scintillator Tile Calorimetry. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 443, 51-70.	0.7	15
283	Search for Resonant Second Generation Slepton Production at the Fermilab Tevatron. Physical Review Letters, 2006, 97, 111801.	2.9	15
284	Search for Scalar Neutrino Superpartners in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 111801.	2.9	15
285	Search for Neutral Higgs Bosons in Multi-b-Jet Events in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 221802.	2.9	15
286	Evidence of WW and WZ Production with lepton+jets Final States in $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2009, 102, 161801.	2.9	15
287	Search for admixture of scalar top quarks in the $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2008, 101, 051801.	1.5	15
288	Search for the Standard Model Higgs Boson in the $ZH \rightarrow \tau\tau$ Channel in $5.2 \text{ fb}^{-1}$ of $p\bar{p}$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 104, 071801.	2.9	15

#	ARTICLE	IF	CITATIONS
289	Measurement of color flow in $t\bar{t}$ -events from $pp\bar{p}\bar{p}$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 83, .	1.6	15
290	Measurement of direct CP violation parameters in $B\rightarrow\pi^+\pi^-\pi^0$ and $B\rightarrow\pi^+\pi^-\pi^0$ decays with 10.4 fb <sup>-1</sup> of Tevatron data. Physical Review Letters, 2013, 110, 241801.	2.9	15
291	Measurement of the Angular and Lifetime Parameters of the Decays $B\rightarrow\pi^+\pi^-\pi^0$ . Physical Review Letters, 2009, 102, 032001.	2.9	14
292	Direct Measurement of the $B\rightarrow\pi^+\pi^-\pi^0$ Boson Width. Physical Review Letters, 2009, 103, 231802.	2.9	14
293	Search for the Standard Model Higgs Boson in Tau Final States. Physical Review Letters, 2009, 102, 251801.	2.9	14
294	Measurement of the ratio of inclusive cross sections $\sigma(pp\rightarrow Z+b\bar{b}+jet)/\sigma(pp\rightarrow Z+jet)$ at $\sqrt{s}=1.96$ TeV. Physical Review D, 2011, 83, .	1.6	14
295	Search for the Standard Model Higgs Boson in Associated WH Production in 9.7 fb <sup>-1</sup> of $pp\bar{p}\bar{p}$ -Collisions with the D0 Detector. Physical Review Letters, 2012, 109, 121804.	2.9	14
296	Search for Higgs bosons decaying to $B\rightarrow\pi^+\pi^-\pi^0$ pairs in $pp\bar{p}\bar{p}$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2009, 102, 032001.	1.5	14
297	Search for the rare decay $B_s\rightarrow\pi^+\pi^-\pi^0$ . Physical Review D, 2013, 87, .	1.6	14
298	Measurement of the ratio of differential cross sections $d\sigma(pp\rightarrow Z+b\bar{b}+jet)/d\sigma(pp\rightarrow Z+jet)$ in $pp\bar{p}\bar{p}$ -collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2013, 87, .	1.6	14
299	Ratio of Jet Cross Sections at $\sqrt{s}=630$ GeV and 1800 GeV. Physical Review Letters, 2001, 86, 2523-2528.	2.9	13
300	Search for dilepton signatures from minimal low-energy supergravity in $pp\bar{p}\bar{p}$ -collisions at $\sqrt{s}=1.8$ TeV. Physical Review D, 2001, 63, .	1.6	13
301	Ratios of Multijet Cross Sections in $pp\bar{p}\bar{p}$ -Collisions at $\sqrt{s}=1.8$ TeV. Physical Review Letters, 2001, 86, 1955-1960.	2.9	13
302	Measurement of the Lifetime Difference in the $B_s$ System. Physical Review Letters, 2005, 95, 171801.	2.9	13
303	Search for the rare decay $B_s\rightarrow\pi^+\pi^-\pi^0$ with the D0 detector. Physical Review D, 2006, 74, .	1.6	13
304	Measurement of $B\rightarrow\pi^+\pi^-\pi^0$ stretchy. Physical Review Letters, 2009, 102, 032001.	2.9	13

#	ARTICLE	IF	CITATIONS
307	Measurement of the $p\bar{p} \rightarrow t\bar{t} + X$ production cross section at $\sqrt{s} = 1.96$ TeV in the fully hadronic decay channel. Physical Review D, 2007, 76, .	1.6	13
308	Evidence for the Decay $B_s \rightarrow D_s^{(*)} D_s^{(*)}$ and a Measurement of $\text{Br}(B_s \rightarrow D_s^{(*)} D_s^{(*)})$ . Physical Review Letters, 2009, 102, 091801.	2.9	13
309	Measurement of $t\bar{t}$ production in the $l_1 + \text{jet}$ topology using $p\bar{p} \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 82, .	1.6	13
310	Measurement of the $Z\bar{Z}$ production cross section in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2010, 105, 091801.	1.6	13
311	Search for associated Higgs boson production using like charge dilepton events in $p\bar{p} \rightarrow t\bar{t} + H$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2011, 84, .	1.5	13
312	Search for pair production of the scalar top quark in $\mu\text{on} + \tau$ final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 710, 578-586.	1.5	13
314	Measurement of the Effective Weak Mixing Angle in $p\bar{p} \rightarrow t\bar{t} + Z$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2015, 115, 041801.	2.9	13
315	Results from a combined test of an electromagnetic liquid argon calorimeter with a hadronic scintillating-tile calorimeter. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 387, 333-351.	0.7	12
316	Response of the ATLAS Tile calorimeter prototype to muons. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 388, 64-78.	0.7	12
317	Search for New Physics Using QUAERO: A General Interface to D0 Event Data. Physical Review Letters, 2001, 87, 231801.	2.9	12
318	Search for Pair Production of Light Scalar Top Quarks in $p\bar{p} \rightarrow t\bar{t} + H$ Collisions at $\sqrt{s} = 1.8$ TeV. Physical Review Letters, 2004, 93, .	2.9	12
319	Search for excited muons in $p\bar{p} \rightarrow t\bar{t} + X$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2006, 73, .	1.6	12
320	Search for the Standard Model Higgs Boson in the $p\bar{p} \rightarrow t\bar{t} + ZH$ Channel. Physical Review Letters, 2006, 97, 161803.	2.9	12
321	Measurement of trilinear gauge boson couplings from $WW + WZ$ events in $p\bar{p} \rightarrow t\bar{t}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2009, 80, .	1.6	12
322	Search for New Fermions ( $\tilde{\chi}_0^0$ ) at the Fermilab Tevatron Collider. Physical Review Letters, 2010, 105, 211803.	2.9	12
323	Measurement of the $t\bar{t}$ cross section using high-multiplicity jet events. Physical Review D, 2010, 82, .	1.6	12
324	Search for Neutral Minimal Supersymmetric Standard Model Higgs Bosons Decaying to Tau Pairs Produced in Association with $b$ Quarks in $p\bar{p} \rightarrow t\bar{t} + H$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 2.9 121801.	2.9	12

#	ARTICLE	IF	CITATIONS
325	Production of WZ Events in pp Collisions at $\sqrt{s} = 1.96$ TeV and Limits on Anomalous WWZ Couplings. Physical Review Letters, 2005, 95, 141802.	2.9	11
326	Search for a Higgs boson produced in association with a Z boson in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.5	11
327	Search for a Higgs boson produced in association with a Z boson in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.5	11
328	Search for a Higgs boson produced in association with a Z boson in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.6	11
329	Search for Neutral Higgs Bosons at High Energy in the $h(H/A) \rightarrow b\bar{b}, \tau\tau$ Channel. Physical Review Letters, 2009, 102, 051804.	2.9	11
330	Search for single top quarks in the tau + jets channel using 4.8 fb <sup>-1</sup> of collision data. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2010, 690, 5-14.	1.5	11
331	Search for the Associated Production of a Top Quark and a Neutral Supersymmetric Higgs Boson that Decays into $\tau\tau$ Pairs. Physical Review Letters, 2010, 104, 151801.	2.9	11
332	Measurement of the combined rapidity and dependence of dijet azimuthal decorrelations in production cross section in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.5	11
333	Measurement of the combined rapidity and dependence of dijet azimuthal decorrelations in production cross section in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.6	11
334	Limits on quark compositeness from high energy jets in pp collisions at 1.8 TeV. Physical Review D, 2000, 62, .	1.6	10
335	Search for 3- and 4-body decays of the scalar top quark in pp collisions at $\sqrt{s} = 1.8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 581, 147-155.	1.5	10
336	Study of the decay $B_s \rightarrow J/\psi f_2 \pi^0$ and $B_s \rightarrow J/\psi K^* K^0$ final states. Physical Review D, 2012, 86, .	1.6	10
337	Measurement of the differential cross section of photon plus jet production in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.6	10
338	Measurement of the production cross section and search for the standard model Higgs boson in the four lepton final state in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	1.6	10
339	Search for Violation of Lorentz Invariance in the Production of Mesons in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2013, 88, .	2.9	10
340	Measurement of the Forward-Backward Asymmetry in the Production of Mesons in collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 011801.	2.9	10
341	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.	1.5	10
342	Search for R-parity violation in multilepton final states in pp collisions at $\sqrt{s} = 1.8$ TeV. Physical Review D, 2000, 62, .	1.6	9

#	ARTICLE	IF	CITATIONS
343	Search for a heavy resonance decaying into aZ+jetfinal state inpp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ using the D0 detector. Physical Review D, 2006, 74, .	1.6	9
344	Search for the Standard Model Higgs Boson in the $H \rightarrow W^+ W^- \gamma$ channel. Physical Review Letters, 2011, 106, 171802.	1.9	9
345	Search for the standard model Higgs boson in tau lepton final states. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2012, 714, 237-245.	1.5	9
346	Search for the standard model Higgs boson in $\tau^+ \tau^- + \text{jets}$ final states in $9.7\text{TeV}$ pp $\hat{A}$ collisions with the D0 detector. Physical Review D, 2013, 88, .	1.6	9
347	Measurement of the $\sqrt{s}$ distribution of muon pairs with masses between 30 and 500 GeV in $10.4\text{TeV}$ pp $\hat{A}$ collisions. Physical Review D, 2015, 91, .	1.6	9
348	Limits on anomalous trilinear gauge couplings from $WW \rightarrow e^+ e^- \gamma$ , $WW \rightarrow e^+ \mu^- \mu^+ \gamma$ , and $WW \rightarrow \tau^+ \tau^- \mu^+ \mu^- \gamma$ events from pp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2006, 74, .	1.6	8
349	Study of the Decay $B_s \rightarrow D_s^* D_s^*$ . Physical Review Letters, 2007, 99, 241801.	2.9	8
350	Search for squark production in events with jets, hadronically decaying tau leptons and missing transverse energy at $\sqrt{s}=1.96\text{TeV}$ . Physics Letters, Section B: Nucl	1.5	8
351	Search for a Higgs boson in diphoton final states with the D0 detector in $9.6\text{TeV}$ pp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2013, 88.	1.6	8
352	Measurement of spin correlation between top and antitop quarks produced in $\sqrt{s}=1.96\text{TeV}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review Letters, Section B: Nucl	1.5	8
353	Measurement of the top quark mass using the matrix element technique in dilepton final states. Physical Review D, 2016, 94, .	1.6	8
354	Search for single production of scalar leptoquarks in $\sqrt{s}=1.96\text{TeV}$ . Physics Letters, Section B: Nucl	1.5	7
355	Search for $Z \rightarrow \tau^+ \tau^-$ events with large missing transverse energy in pp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2012, 86, .	1.5	7
356	Search for $Z \rightarrow \tau^+ \tau^-$ events with large missing transverse energy in pp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2012, 86, .	1.6	7
357	Model independent search for new phenomena in pp $\hat{A}$ collisions at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2012, 85, p.	1.5	7
358	Measurement of the ratio of three-jet to two-jet cross sections in $\sqrt{s}=1.96\text{TeV}$ . Physical Review Letters, Section B: Nucl	1.5	7
359	Search for charged massive long-lived particles at $\sqrt{s}=1.96\text{TeV}$ . Physical Review D, 2013, 87, .	1.6	7
360	Measurement of the differential $\frac{d\sigma}{d\Omega}$ -jet cross section and the ratio $\frac{\sigma(\text{jet})}{\sigma(\text{no jet})}$ . Physical Review Letters, Section B: Nucl	1.6	7

#	ARTICLE	IF	CITATIONS
361	Measurement of the $B \rightarrow s$ branching fraction in the Flavor-Specific Decay Channel $B \rightarrow s$ . Physical Review Letters, 2015, 114, 062001.	2.9	7
362	Measurement of the ratio of differential cross sections for $W$ and $Z$ boson production as a function of transverse momentum in $p\bar{p}$ , collisions at $s=1.8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2001, 517, 299-308.	1.6	7
363	Search for Anomalous Heavy-Flavor Quark Production in Association with $W$ Bosons. Physical Review Letters, 2005, 94, 152002.	2.9	6
365	Search for $W$ associated production in $p\bar{p}$ collisions at $s=1.96$ TeV. Physical Review D, 2012, 86, .	1.6	6
366	Search for Universal Extra Dimensions in $p\bar{p}$ collisions. Physical Review Letters, 2012, 108, 131802.	2.9	6
367	Search for $Z \rightarrow H$ production in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2015, 114, 062001.	1.6	6
368	Search for particles decaying into a $Z$ boson and a photon in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2015, 114, 062001.	1.6	6
369	Measurement of the electric charge of the top quark in $t\bar{t}$ events. Physical Review D, 2014, 90, .	1.6	6
370	Search for the Higgs boson in lepton, tau, and jets final states. Physical Review D, 2013, 88, .	1.5	5
371	Measurement of the direct CP-violating parameter $A_{CP}$ in the decay $D \rightarrow \pi^+ K^0 \pi^0$ . Physical Review D, 2014, 90, .	0.7	5
372	Relative rates of $B$ meson decays into $\bar{c}c$ and $J/\psi$ mesons. Physical Review D, 2009, 79, .	1.6	5
373	Constraints on Models for the Higgs Boson with Exotic Spin and Parity in $VH \rightarrow Vbb$ Final States. Physical Review Letters, 2014, 113, 161802.	2.9	5
374	Measurement of the $W$ + $b$ -jet and $W$ + $c$ -jet differential production cross sections in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2015, 114, 151802.	1.5	5
375	Measurement of the $W$ + $b$ -jet and $W$ + $c$ -jet differential production cross sections in $p\bar{p}$ collisions at $\sqrt{s}=7$ TeV. Physical Review Letters, 2015, 114, 151802.	2.9	5
376	A measurement of the energy loss spectrum of 150 GeV muons in iron. Zeitschrift für Physik C-Particles and Fields, 1997, 73, 455-463.	1.5	4

#	ARTICLE	IF	CITATIONS
379	Search for Higgs boson production in oppositely charged dilepton and missing energy events in $p\bar{p}$ collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2013, 88, .	1.6	4
380	Search for Higgs boson production in trilepton and like-charge electron-muon final states with the DO detector. Physical Review D, 2013, 88, .	1.6	4
381	Evaluation of Fermi read-out of the Atlas Tilecal prototype. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 403, 98-114.	0.7	3
382	Experimental tests of neutron shielding for the ATLAS forward region. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1999, 420, 249-258.	0.7	3
383	Measurement of the DirectCP-violating Charge Asymmetry in $D_s \rightarrow \tau^+ \tau^-$ Decays. Physical Review Letters, 2014, 112, 111804.	2.9	3
384	Measurement of the forward-backward asymmetry in $b\bar{b}$ baryon production in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2015, 91, .	1.6	3
385	Measurement of the ratio of inclusive cross sections $\sigma_{\text{had}}/\sigma_{\text{had}}^{\text{incl}}$ in $p\bar{p}$ collisions at $\sqrt{s}=1.96$ TeV. Physical Review D, 2015, 91, .		