

# Ulrich Kerzel

## List of Publications by Year in descending order

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96  
papers

7,596  
citations

66234

42  
h-index

49773

87  
g-index

96  
all docs

96  
docs citations

96  
times ranked

7677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enterprise AI Canvas Integrating Artificial Intelligence into Business. Applied Artificial Intelligence, 2021, 35, 1-12.	2.0	18
2	Damage Analysis in Dual-Phase Steel Using Deep Learning: Transfer from Uniaxial to Biaxial Straining Conditions by Image Data Augmentation. Jom, 2020, 72, 4420-4430.	0.9	13
3	Large-area, high-resolution characterisation and classification of damage mechanisms in dual-phase steel using deep learning. PLoS ONE, 2019, 14, e0216493.	1.1	42
4	First Observation of $C \rightarrow P$ Violation in the Decays of $B_c$ Mesons Observation of $B_c \rightarrow D \bar{A}^0$ First Observation of the $C \rightarrow P$ -Violating Phase in $B_c$ Meson Decays Physical Review Letters, 2013, 110, 151803	2.9	105
5	Observation of $B_c \rightarrow D \bar{A}^0$ First Measurement of the $C \rightarrow P$ -Violating Phase in $B_c$ Meson Decays Physical Review Letters, 2013, 110, 151803	2.9	65
6	First Measurement of the $C \rightarrow P$ -Violating Phase in $B_c$ Meson Decays Physical Review Letters, 2013, 110, 151803	2.9	19
7	Decay of $B_c \rightarrow D \bar{A}^0$ First Observation of the Decay $B_c \rightarrow D \bar{A}^0$ Physical Review Letters, 2013, 110, 151803	2.9	497
8	First Observation of the Decay $B_c \rightarrow D \bar{A}^0$ Physical Review Letters, 2013, 110, 151803	2.9	51
9	Search for Rare $B_c \rightarrow D \bar{A}^0$ Physical Review Letters, 2013, 110, 151803	2.9	21
10	The LHCb trigger and its performance in 2011. Journal of Instrumentation, 2013, 8, P04022-P04022.	0.5	334
11	First Observation of the Decay $B_c \rightarrow D \bar{A}^0$ Measurement of the $C \rightarrow P$ -Violating Phase in $B_c$ Meson Decays Physical Review Letters, 2013, 110, 151803	2.9	62
12	Measurement of the $C \rightarrow P$ -Violating Phase in $B_c$ Meson Decays Lifetime in the $B_c$ Meson Physical Review Letters, 2013, 110, 151803	2.9	62

#	ARTICLE	IF	CITATIONS
19	Observation of $B\bar{s}0\hat{+}'/f\bar{f}2\hat{+}\epsilon^2(1525)\text{in}/\bar{l}K+K\hat{+}'$ Final States. Physical Review Letters, 2012, 108, 151801.	2.9	21
20	Absolute luminosity measurements with the LHCb detector at the LHC. Journal of Instrumentation, 2012, 7, P01010-P01010.	0.5	41
21	Evidence for $C\bar{P}$ Violation in Time-Integrated $D\bar{D}^0$ Decays. Physical Review Letters, 2012, 108, 201601.	2.9	181
22	First Evidence of Direct $C\bar{P}$ Violation in Charmless Two-Body Decays of $B\bar{B}^0$ Mesons. Physical Review Letters, 2012, 108, 201601.	2.9	49
23	A New Boson with a Mass of 125 GeV Observed with the CMS Experiment at the Large Hadron Collider. Science, 2012, 338, 1569-1575.	6.0	85
24	Measurement of $\bar{l}^*$ production in pp collisions at $\sqrt{s}=7\text{TeV}$ . European Physical Journal C, 2012, 72, 2025.	1.4	106
25	Collisions and Measurement of $p\bar{p}$ at $\sqrt{s}=7\text{TeV}$ . European Physical Journal C, 2011, 107, 2011.	2.9	28
26	Measurements of CP-conserving trilinear gauge boson couplings $WWV$ ( $V=i, Z$ ) in $e^+e^{\hat{+}}$ collisions at LEP2. European Physical Journal C, 2010, 66, 35-56.	1.4	20
27	Study of the dependence of direct soft photon production on $\hat{+}$ jet characteristics in hadronic $Z^0$ decays. European Physical Journal C, 2010, 67, 343-366.	1.4	33
28	Search for one large extra dimension with the DELPHI detector at $\hat{+}$ LEP. European Physical Journal C, 2009, 60, 17-23.	1.4	53
29	Correlations between polarisation states of $W$ particles in the reaction $e^+e^{\hat{+}}W^{\hat{+}}W^-$ at LEP2 energies $189\hat{+}209\text{GeV}$ . European Physical Journal C, 2009, 63, 611-623.	1.4	1
30	Study of $W$ -boson polarisations and triple gauge boson couplings in the reaction $e^+e^{\hat{+}}W^{\hat{+}}W^-$ at LEP 2. European Physical Journal C, 2008, 54, 345-364.	1.4	41
31	Study of $b$ -quark mass effects in multijet topologies with the DELPHI detector at LEP. European Physical Journal C, 2008, 55, 525-538.	1.4	17
32	Di-jet production in $\hat{+}\hat{+}$ collisions at LEP2. European Physical Journal C, 2008, 58, 531-541.	1.4	1
33	Observation of the muon inner bremsstrahlung at $\hat{+}$ LEP1. European Physical Journal C, 2008, 57, 499-514.	1.4	16
34	Measurement of Inclusive Jet Cross Sections in $Z^0$ Decays. Physical Review Letters, 2008, 100, 101802.	2.9	103
35	The LHCb Detector at the LHC. Journal of Instrumentation, 2008, 3, S08005-S08005.	0.5	969
36	Search for $B_s0\hat{+}'\hat{+}\hat{+}$ and $B0\hat{+}'\hat{+}\hat{+}$ Decays with $2\hat{+}\hat{+}$ of $pp\hat{+}$ Collisions. Physical Review Letters, 2008, 100, 101802.	2.9	103

#	ARTICLE	IF	CITATIONS
37	Search for the Higgs Boson in Events with Missing Transverse Energy and Quark Jets Produced in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2008, 100, 121803.	2.9	17
38	Search for Heavy Toplike Quarks Using Lepton Plus Jets Events in $1.96$ TeV pp Collisions. Physical Review Letters, 2008, 100, 161803.	2.9	30
39	Measurement of Lifetime and Decay-Width Difference in $B_s^0 \rightarrow J/\psi K^0$ Decays. Physical Review Letters, 2008, 100, 121803.	2.9	39
40	Search for Resonant $t\bar{t}$ Production in pp Collisions. Physical Review Letters, 2008, 100, 121802.	2.9	41
41	Search for Doubly Charged Higgs Bosons with Lepton-Flavor-Violating Decays Involving $\tau, \mu$ Leptons. Physical Review Letters, 2008, 101, 121801.	2.9	45
42	Evidence for $D^0 \rightarrow \bar{D}^0$ Mixing Using the CDF-II Detector. Physical Review Letters, 2008, 100, 121802.	2.9	100
43	Observation of the Decay $B_c \rightarrow B^0 \tau^+ \nu_\tau$ . Physical Review Letters, 2008, 100, 182002.	2.9	106
44	Measurement of the $B_c \rightarrow B^0 \tau^+ \nu_\tau$ Decay. Physical Review Letters, 2008, 100, 182002.	2.9	179
45	Violation in $B_c \rightarrow B^0 \tau^+ \nu_\tau$ Decay. Physical Review Letters, 2008, 100, 161802.	2.9	193
46	Analysis of the Quantum Numbers of the $X(3872)$ Particle. Physical Review Letters, 2007, 98, 132002.	2.9	59
47	Search for Exclusive $\bar{t}t$ Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 99, 242002.	2.9	24
48	Measurement of the $B^0$ Lifetime in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	2.9	24
49	Polarizations of $J/\psi$ in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 122001.	2.9	192
50	Search for Chargino-Neutralino Production in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 191806.	2.9	11
51	Inclusive Search for New Physics with Like-Sign Dilepton Events in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 221803.	2.9	41
52	Observation of the Heavy Baryons $\Lambda_b^0$ and $\Sigma_b^0$ in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 99, 202001.	2.9	105
53	Measurement of $B^0 \rightarrow B^0 \tau^+ \nu_\tau$ Decay. Physical Review Letters, 2007, 98, 122002.	2.9	23
54	Search for Anomalous Production of Multilepton Events in pp Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2007, 98, 131804.	2.9	15

#	ARTICLE	IF	CITATIONS
55	Search for New Physics in High-Mass Electron-Positron Events in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 99, 171802.	2.9	69
56	Observation of Exclusive Electron-Positron Production in Hadron-Hadron Collisions. Physical Review Letters, 2007, 98, 112001.	2.9	79
57	First Measurement of the $W$ -Boson Mass in Run II of the Tevatron. Physical Review Letters, 2007, 99, 151801.	2.9	46
58	Measurement of the Top-Quark Mass in All-Hadronic Decays in $pp$ Collisions at CDF II. Physical Review Letters, 2007, 98, 142001.	2.9	29
59	Precise Measurement of the Top-Quark Mass in the Lepton+Jets Topology at CDF II. Physical Review Letters, 2007, 99, 182002.	2.9	26
60	Search for Heavy Long-Lived Particles that Decay to Photons at CDF II. Physical Review Letters, 2007, 99, 121801.	2.9	22
61	Observation of $WZ$ Production. Physical Review Letters, 2007, 98, 161801.	2.9	36
62	Search for High-Mass Diphoton States and Limits on Randall-Sundrum Gravitons at CDF. Physical Review Letters, 2007, 99, 171801.	2.9	19
63	First Measurement of the Ratio of Central-Electron to Forward-Electron $W$ Partial Cross Sections in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 251801.	2.9	2
64	Measurement of $\sigma(\text{pp} \rightarrow \text{B} + \text{B}^*)$ in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2007, 98, 231801.	2.9	10
65	Measurements of inclusive $W$ and $Z$ cross sections in $pp$ collisions at $\sqrt{s} = 1.96$ TeV. Journal of Physics G: Nuclear and Particle Physics, 2007, 34, 2457-2544.	1.4	188
66	Study of multi-muon bundles in cosmic ray showers detected with the DELPHI detector at LEP. Astroparticle Physics, 2007, 28, 273-286.	1.9	47
67	Search for a fourth generation $b^c$ -quark at LEP-II at $\sqrt{s} = 196$ GeV. European Physical Journal C, 2007, 50, 507-518.	1.4	4
68	Investigation of Colour Reconnection in $WW$ events with the DELPHI detector at LEP-2. European Physical Journal C, 2007, 51, 249.	1.4	15
69	$Z^0$ production in $e^+e^-$ interactions at $\sqrt{s} = 183$ - $209$ GeV. European Physical Journal C, 2007, 51, 503-523.	1.4	3
70	Study of triple-gauge-boson couplings $ZZZ$ , $ZZ^0$ and $Z^0Z^0$ at LEP. European Physical Journal C, 2007, 51, 525-542.	1.4	24
71	Observation of $B_s \rightarrow B^0$ oscillations. Physical Review Letters, 2006, 97, 242003.	2.9	311
72	Search for Excited and Exotic Muons in the $\tau \rightarrow \mu + \text{invisible}$ Decay Channel in $pp$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2006, 97, 191802.	2.9	19

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73	The X(3872) at the Tevatron. Nuclear Physics, Section B, Proceedings Supplements, 2006, 156, 248-251.	0.5	1
74	Precision electroweak measurements on the Z resonance. Physics Reports, 2006, 427, 257-454.	10.3	974
75	Search for High-Mass Resonances Decaying to $e^+e^-$ in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 211802.	2.9	31
76	Measurement of the Ratios of Branching Fractions $B(B_s \rightarrow D_s \ell^+ \ell^-)/B(B \rightarrow D \ell^+ \ell^-)$ and $B(B \rightarrow D^* \ell^+ \ell^-)/B(B \rightarrow D \ell^+ \ell^-)$ . Physical Review Letters, 2006, 96, 191801.	2.9	15
77	Top-Quark Mass Measurement from Dilepton Events at CDF II. Physical Review Letters, 2006, 96, 152002.	2.9	25
78	Observation of $B_s \rightarrow \tau^+ \tau^- (2S)$ and Measurement of the Ratio of Branching Fractions $B(B_s \rightarrow \tau^+ \tau^- (2S))/B(B_s \rightarrow \tau^+ \tau^-)$ . Physical Review Letters, 2006, 96, 231801.	2.9	12
79	Measurement of the Dipion Mass Spectrum in $X(3872) \rightarrow \pi^+ \pi^- \ell^+ \ell^-$ Decays. Physical Review Letters, 2006, 96, 102002.	2.9	121
80	Search for $Z \rightarrow \tau^+ \tau^- e^+ e^-$ Using Dielectron Mass and Angular Distribution. Physical Review Letters, 2006, 96, 211801.	2.9	69
81	Direct Search for Dirac Magnetic Monopoles in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 201801.	2.9	39
82	Search for Scalar Bottom Quarks from Gluino Decays in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2006, 96, 171802.	2.9	11
83	Measurement of Bottom-Quark Hadron Masses in Exclusive $\tau^+ \tau^-$ Decays with the CDF Detector. Physical Review Letters, 2006, 96, 202001.	2.9	82
84	Branching Ratios, Rare Decays And New States. AIP Conference Proceedings, 2005, , .	0.3	0
85	Search for Excited and Exotic Electrons in the $e^+e^-$ Decay Channel in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 94, 101802.	2.9	30
86	Measurement of $B(\tau^+ \rightarrow Wb)/B(\tau^+ \rightarrow Wq)$ at the Collider Detector at Fermilab. Physical Review Letters, 2005, 95, 102002.	2.9	42
87	Search for New Physics Using High-Mass Tau Pairs from 1.96 TeV $p\bar{p}$ Collisions. Physical Review Letters, 2005, 95, 131801.	2.9	40
88	Measurement of the Lifetime Difference between $B_s$ Mass Eigenstates. Physical Review Letters, 2005, 94, 101803.	2.9	53
89	Search for New High-Mass Particles Decaying to Lepton Pairs in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2005, 95, 252001.	2.9	42
90	Measurement of Partial Widths and Search for Direct CP Violation in $D^0$ Meson Decays to $K^+ K^-$ and $\bar{K}^0 \pi^+ \pi^-$ . Physical Review Letters, 2005, 94, 122001.	2.9	38

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91	Search for Doubly Charged Higgs Bosons Decaying to Dileptons in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2004, 93, 221802.	2.9	92
92	Measurement of the $t\bar{t}$ -Production Cross Section in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV Using Dilepton Events. Physical Review Letters, 2004, 93, 142001.	2.9	59
93	Measurement of $ V_{cb} $ using the semileptonic decay $\overline{m\{B^0\}_d} \rightarrow \{m\{D\}^* \ell^+ \ell^-\}$ . European Physical Journal C, 2004, 33, 213-232.	1.4	24
94	Measurement of the forward-backward asymmetries of $e^+ + e^- \rightarrow Z \rightarrow b \overline{b}$ and $e^+ + e^- \rightarrow Z \rightarrow c \overline{c}$ using prompt leptons. European Physical Journal C, 2004, 34, 109-125.	1.4	8
95	Search for $B^0_s - \overline{B^0_s}$ oscillations in DELPHI using high- $p_t$ leptons. European Physical Journal C, 2004, 35, 35-52.	1.4	8
96	Measurement of Prompt Charm Meson Production Cross Sections in $p\bar{p}$ Collisions at $\sqrt{s}=1.96$ TeV. Physical Review Letters, 2003, 91, 241804.	2.9	149