

Michael Danilov

List of Publications by Year in descending order

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822
papers

36,718
citations

4120

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g-index

831
all docs

831
docs citations

831
times ranked

11973
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a Narrow Charmoniumlike State in Exclusive $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	1,526
2	Study of a Resonance-like Structure in the $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	617
3	Observation of a Resonance-like Structure in the $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 192, 245-252.	1.5	573
4	Observation of Two Charged Bottomoniumlike Resonances in $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.8	521
5	Distribution in Exclusive $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	464
6	Measurement of the $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Lepton Polarization and $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	457
7	Search for Neutrinoless Double-Beta Decay in $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	1.6	442
8	Search for Majorana neutrinos with the first two years of EXO-200 data. Nature, 2014, 510, 229-234.	13.7	355
9	Combined measurements of Higgs boson couplings in proton-proton collisions at $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 421.	1.4	355
10	Search for Neutrinoless Double-Beta Decay in $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	349
11	Resonant Structures in $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2003, 91, 262001.	2.9	343
12	Measurement of the $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2007, 99, 182004.	2.9	338
13	The H1 detector at HERA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 310-347.	0.7	321
14	Observation of a Near-Threshold $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Mass Enhancement in Exclusive $B \rightarrow K^* \bar{K}^0 \ell^+ \ell^-$ Decays. Physical Review Letters, 2005, 94, 182002.	2.9	295
15	The Physics of the B Factories. European Physical Journal C, 2014, 74, 1.	1.4	292
16	Observation of Double \hat{c} -Production in e^+e^- Annihilation at $\sqrt{s} \approx 10.6$ GeV. Physical Review Letters, 2002, 89, 142001.	2.9	268
17	Status report on silicon photomultiplier development and its applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 563, 368-376.	0.7	257
18	Identification of heavy-flavour jets with the CMS detector in pp collisions at 13 TeV. Journal of Instrumentation, 2018, 13, P05011-P05011.	0.5	241

#	ARTICLE	IF	CITATIONS
19	Measurement of the proton structure function $F_2(x, Q^2)$ in the low- x region at HERA. Nuclear Physics B, 1993, 407, 515-535.	0.9	235
20	Observation of a Near-Threshold Enhancement in the $e^+e^- \rightarrow \gamma^* \rightarrow \mu^+\mu^-$ Section Using Initial-State Radiation. Physical Review Letters, 2008, 101, 172001.	2.9	235
21	Study of $B^0 \rightarrow D^{*0} \rho^0$ decays. Physical Review D, 2004, 69, .	1.6	221
22	Observation of Higgs Boson Decay to Bottom Quarks. Physical Review Letters, 2018, 121, 121801.	2.9	219
23	Observation of a Charmoniumlike State Produced in Association with J/ψ Annihilation at $\sqrt{s} = 10.6$ GeV. Physical Review Letters, 2007, 98, 082001.	2.9	217
24	Observation of New States Decaying into $\psi(3700) + \pi^0$. Physical Review Letters, 2006, 97, 162001.	2.9	216
25	Evidence for D^0 Mixing. Physical Review Letters, 2007, 98, 211803.	2.9	210
26	Observation of $B^0 \rightarrow \mu^+\mu^-$ Production. Physical Review Letters, 2018, 120, 231801.	2.9	209
27	Detection of very small neutrino masses in double-beta decay using laser tagging. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2000, 480, 12-18.	1.5	207
28	Observation of two resonancelike structures in the $B^0 \rightarrow \mu^+\mu^-$ distribution in exclusive $B^0 \rightarrow \mu^+\mu^-$ decays. Physical Review Letters, 2016, 116, 206.	1.6	206
29	The tracking, calorimeter and muon detectors of the H1 experiment at HERA. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1997, 386, 348-396.	0.7	203
30	Inclusive Measurement of the Photon Energy Spectrum in $B^0 \rightarrow \gamma^* \rightarrow \mu^+\mu^-$ Decays. Physical Review Letters, 2004, 93, 061803.	2.9	200
31	Observation of $\psi(3700)$ Candidate in $B^0 \rightarrow \psi(3700) \mu^+\mu^-$ Production at Belle. Physical Review Letters, 2006, 96, 082003.	2.9	200
32	Extraction and validation of a new set of CMS pythia8 tunes from underlying-event measurements. European Physical Journal C, 2020, 80, 4.	1.4	198
33	Measurement of the branching ratio of $B^0 \rightarrow \mu^+\mu^-$. Physical Review D, 2016, 94, .	1.6	196
34	Evidence of the Purely Leptonic Decay $B^0 \rightarrow \mu^+\mu^-$. Physical Review Letters, 2006, 97, 251802.	2.9	195
35	Exclusive hadronic decays of B mesons. Zeitschrift für Physik C-Particles and Fields, 1990, 48, 543-551.	1.5	189
36	Improved measurement of mixing-induced CP violation in the neutral B meson system. Physical Review D, 2002, 66, .	1.6	177

#	ARTICLE	IF	CITATIONS
37	Argus: A universal detector at DORIS II. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 275, 1-48.	0.7	172
38	Observation of a Near-Threshold Enhancement in $B^+ \rightarrow D^0 K$ Decay. Physical Review Letters, 2006, 97, 162002.	2.9	171
39	Measurement of Azimuthal Asymmetries in Inclusive Production of Hadron Pairs in e^+e^- Annihilation at Belle. Physical Review Letters, 2006, 96, 232002.	2.9	169
40	A measurement of the proton structure function $F_2(x, Q^2)$. Nuclear Physics B, 1995, 439, 471-502.	0.9	166
41	Observation of Anomalous $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" > < mml:mi>I\neq </mml:mi> < mml:mo> stretchy="false" > (</mml:mo> < mml:mn> 1 </mml:mn> < mml:mi> S </mml:mi> < mml:mo> Tj ETQq1 1 0.784314 rgbT /Overlock 10 Tf 50 58$		

#	ARTICLE	IF	CITATIONS
55	Search for sterile neutrinos at the DANSS experiment. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 56-63.	1.5	131
56	Study of double charmonium production in e^+e^- annihilation at $\sqrt{s} = 10.6$ GeV. Physical Review D, 2004, 70, .		130
57	Evidence for Direct CP Violation in $B^0 \rightarrow K^+ K^-$ Decays. Physical Review Letters, 2004, 93, 191802.	2.9	129
58	Dalitz analysis of the three-body charmless decays $B \rightarrow K^+ K^- \pi^+$ and $B \rightarrow K^+ K^- K^+$. Physical Review D, 2005, 71, 1.6		128
59	First Observation of the P -Wave Spin-Singlet Bottomonium States χ_{c0} and χ_{c1} . Physical Review Letters, 2004, 92, 012002.	2.9	128
60	Measurements of the D_s^* Resonance Properties. Physical Review Letters, 2004, 92, 012002.	2.9	127
61	Observation of semileptonic charmless B meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1990, 234, 409-416.	1.5	125
62	Dalitz analysis of $B \rightarrow K^+ K^- \pi^+$ and the Z resonance. Physical Review Letters, 2006, 96, 251803.	1.6	125
63	Precision luminosity measurement in proton-proton collisions at $\sqrt{s} = 13, 8, 7$ TeV in 2015 and 2016 at CMS. European Physical Journal C, 2021, 81, 800.	1.4	123
64	Evidence for Large Direct CP Violation in $B^0 \rightarrow K^+ K^- \pi^0$ from Analysis of Three-Body Charmless $B^0 \rightarrow K^+ K^- \pi^0$ Decays. Physical Review Letters, 2006, 96, 251803.	2.9	120
65	Improved measurement of the electroweak penguin process $B^0 \rightarrow X_s^+ \pi^-$. Physical Review D, 2005, 72, .	1.6	118
66	Observation of an Isotriplet of Excited Charmed Baryons Decaying to $\Lambda_c^+ \pi^-$. Physical Review Letters, 2005, 94, 122002.	2.9	117
67	Correlated fluctuations between luminescence and ionization in liquid xenon. Physical Review B, 2003, 68, .	1.1	116
68	Systematic study of trace radioactive impurities in candidate construction materials for EXO-200. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2008, 591, 490-509.	0.7	114
69	Measurement of Branching Fractions and Polarization in $B^0 \rightarrow K^+ K^-$ Decays. Physical Review Letters, 2003, 91, 201801.	2.9	109
70	Measurement of α_s from $B \rightarrow K^* \mu^+ \mu^-$ decays. Physical Review D, 2015, 91, .		109
71	A measurement of the tau mass. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 292, 221-228.	1.5	105
72	Observation of $B^0 \rightarrow \rho^+ \rho^- K^+$. Physical Review Letters, 2002, 88, 181803.	2.9	105

#	ARTICLE	IF	CITATIONS
73	Measurement of the near-threshold $e^+e^- \rightarrow D^+ D^-$ cross section using initial-state radiation. Physical Review D, 2008, 77, .	1.6	102
74	Observation of Time-Dependent CP Violation in $B^0 \rightarrow \pi^+ \pi^- K^0$ Decays and Improved Measurements of CP Asymmetries in $B^0 \rightarrow \pi^+ \pi^- K^0$, $K_S^0 K^0$ and $B^0 \rightarrow \pi^+ \pi^- \bar{K}^0$ Decays. Physical Review Letters, 2007, 98, 031802.	2.9	101
75	Nuclear modification factor of D mesons in PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 782, 474-496.	1.5	101
76	Measurement of the Near-Threshold $e^+e^- \rightarrow D^+ D^-$ Cross Section using Initial-State Radiation. Physical Review Letters, 2007, 98, 092001.	2.9	100
77	Difference in direct charge-parity violation between charged and neutral B meson decays. Nature, 2008, 452, 332-335.	13.7	99
78	Study of exclusive $B \rightarrow \pi^+ X^0 u \bar{c}$ and extraction of $B \rightarrow \pi^+ X^0 u \bar{c}$ using. Physical Review D, 2013, 88, .	1.6	99
79	Measurement of Polarization and Triple-Product Correlations in $B^0 \rightarrow \pi^+ K^0$ Decays. Physical Review Letters, 2005, 94, 221804.	2.9	96
80	Searches for invisible decays of the Higgs boson in pp collisions at $\sqrt{s} = 7, 8,$ and 13 TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	95
81	Study of the $B \rightarrow \pi^+ X^0 u \bar{c}$		

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91	Total photoproduction cross section measurement at HERA energies. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 299, 374-384. Precise Measurement of the C Violation Parameter P	1.5	84
92	Measurement of the differential cross section and charge asymmetry for inclusive $\{p\} \rightarrow \{W\}^{\pm} p$ production at $\sqrt{s} = 8$ TeV. European Physical Journal C, 2016, 76, 469.	2.9	83
93	Measurement of Time-Dependent CP-Violating Asymmetries in $B^0 \rightarrow K^0, K^+ K^-$ and $B^0 \rightarrow K^0$ Decays. Physical Review Letters, 2003, 91, 261602.	2.9	82
95	Evidence for direct CP violation in the decay $B^0 \rightarrow D^{*+} K^{\pm} \pi^{\mp}$ and measurement of the CKM phase δ_1 . Physical Review D, 2010, 81, .	1.6	82
96	DANSS: Detector of the reactor AntiNeutrino based on Solid Scintillator. Journal of Instrumentation, 2016, 11, P11011-P11011. Measurement of the decay $B \rightarrow D^* \pi$	0.5	81
97	fully reconstructed events and determination of the Cabibbo-Kobayashi-Maskawa matrix element $ V_{cb} $	1.6	81
98	Measurement of angular parameters from the decay $B^0 \rightarrow \pi^+ \pi^- K^0$ in proton-antiproton collisions at $\sqrt{s} = 8$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 781, 517-541.	1.6	81
99	T_j ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 427 Td (stretchy="false")	1.6	80
100	Observation of $B \rightarrow K^* \pi$. Physical Review Letters, 2003, 91, 261601. Search for $B \rightarrow K^* \pi$	2.9	79
101	with the full Belle $B \rightarrow K^* \pi$	1.6	79
102	Hard scattering in $\bar{p}p$ interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1992, 297, 205-213.	1.5	78
103	Measurement of $D^0 \rightarrow \pi^+ \pi^- K^0$ Form Factors and Absolute Branching Fractions. Physical Review Letters, 2006, 97, 061804. Observation of $B \rightarrow Z b$	2.9	77
104	Reconstruction of B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 218-222.	2.9	77
105	Search for $B \rightarrow s^3$ in exclusive decays of B mesons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 229, 304-308.	1.5	75
107	An improved upper limit on the $\bar{B} \rightarrow \pi^+ \pi^- \pi^0$ mass from the decay $\bar{B} \rightarrow \pi^+ \pi^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 202, 149-153.	1.5	74
108	Measurement of Forward-Backward Asymmetry and Wilson Coefficients in $B \rightarrow K^* l^+ l^-$. Physical Review Letters, 2006, 96, 251801.	2.9	74

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109	Search for Narrow Resonances in Dijet Final States at $\sqrt{s} = 2.76$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	74
110	Suppression of $\Lambda(1520)$, $\Lambda(2280)$ and $\Lambda(3512)$ quarkonium states in Pb-Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 770, 357-379.	2.76	74
111	Branching ratio and mass spectrum of the decay $\Lambda_c^+ \rightarrow \Lambda^0 \pi^+$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1984, 134, 137-142.	1.5	73
112	Measurement of Ω_c^0 with Dalitz plot analysis of $B^0 \rightarrow \Omega_c^0 \pi^0$ decay. Physical Review D, 2004, 70, .	1.6	73
113	Improved measurement of CP-violation parameters $\sin^2 \beta$ and $ \lambda $, B-meson lifetimes, and B^0 - B^0 mixing parameter Γ_{sd} . Physical Review D, 2005, 71, .	1.6	73
114	Search for long-lived charged particles in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2016, 94, .	1.6	73
115	Search for Resonant Production of High-Mass Photon Pairs in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2016, 117, 051802.	2.9	73
116	Observation of a new charmed baryon. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 317, 227-232.	1.5	72
117	Measurement of the decay $B^0 \rightarrow \Lambda_c^+ \pi^-$. Physical Review Letters, 2009, 80, .	1.6	72
118	Observation of the decay $B^0 \rightarrow \Lambda_c^+ \pi^-$. Physical Review Letters, 2009, 80, .	2.9	71
119	Measurement of the decay $B^0 \rightarrow \Lambda_c^+ \pi^-$. Physical Review D, 2009, 80, .	1.6	71
120	Evidence of a New Narrow Resonance Decaying to $\Lambda_c^+ \pi^-$. Physical Review Letters, 2009, 80, .	2.9	71
121	Limits for the Central Production of $\Lambda_c^+ \pi^-$ -Pentaquarks in 920-GeV pA Collisions. Physical Review Letters, 2004, 93, 212003.	2.9	70
122	Charm hadrons from fragmentation and B decays in e^+e^- annihilation at $\sqrt{s} = 10.6$ GeV. Physical Review D, 2006, 73, .	1.6	70
123	Searches for physics beyond the standard model with the M_{T2} variable in hadronic final states with and without disappearing tracks in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 3.	1.4	70
124	Observation of charmless B meson decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1988, 209, 119-126.	1.5	69
125	Reconstruction of semileptonic $b \rightarrow u$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1991, 255, 297-304.	1.5	69

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127	A search for leptoquarks, leptogluons and excited leptons in H1 at HERA. Nuclear Physics B, 1993, 396, 3-23.	0.9	69
128	Measurements of the Higgs boson width and anomalous $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{H} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{V} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{V} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ couplings from on-shell and off-shell production in the four-lepton final state. Physical Review D, 2019, 99, .	1.6	69
129	Measurement of the decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 197, 452-456.	1.5	68
130	Observation of $B \rightarrow \pi^+ \rho^0 \pi^+ \rho^0$, $B \rightarrow \pi^+ \rho^0 \pi^+ \rho^0$, and $B \rightarrow \pi^+ \rho^0 \pi^+ \rho^0$. Physical Review Letters, 2004, 92, 131801.	2.9	68
131	Construction and commissioning of the CALICE analog hadron calorimeter prototype. Journal of Instrumentation, 2010, 5, P05004-P05004.	0.5	68
132	Measurement of the $\sigma(\text{t}\bar{\text{t}})$ production cross section, the top quark mass, and the strong coupling constant using dilepton events in pp collisions at. European Physical Journal C, 2019, 79, 368.	1.4	68
133	Observation of Large CP Violation and Evidence for Direct CP Violation in $B \rightarrow \pi^+ \pi^- \pi^0$ Decays. Physical Review Letters, 2004, 93, 021601.	2.9	67
134	Improved Constraints on D^0 Mixing in $D^0 \rightarrow K^+ \pi^-$ Decays from the Belle Detector. Physical Review Letters, 2006, 96, 151801.	2.9	67
135	Observation of a new charmed meson. Physical Review Letters, 1986, 56, 549-552.	2.9	66
136	Search for doubly charmed baryons and study of charmed strange baryons at Belle. Physical Review D, 2014, 89, .	1.6	66
137	Evidence for the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{I} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{B} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ stretchy="false" $\langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 2 \langle \text{mml:mn} \rangle \langle \text{mml:mi} \rangle \text{S} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$ $\langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle \text{p} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \text{Pb} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:math} \rangle$	2.9	65
138	The ARGUS drift chamber. Nuclear Instruments & Methods in Physics Research, 1983, 217, 153-159.	0.9	64
139	Evidence for the decay $\tilde{L}_1 \rightarrow \tau^+ \nu_\tau \tilde{L}_1$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1987, 185, 223-227.	1.5	64
140	Time-dependent CP-violating asymmetries in $b \rightarrow s q \bar{q}$ transitions. Physical Review D, 2005, 72, .	1.6	64
141	Measurement of β_3 with a Dalitz plot analysis of $B \rightarrow \pi^+ D^{(*)} K^{(*)}$ decay. Physical Review D, 2006, 73, .	1.6	64
142	Kinematic distributions and nuclear effects of J/ψ production in $\sqrt{s} = 920$ GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 525-542.	1.4	64
143	Search for new physics in same-sign dilepton events in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2016, 76, 439.	1.4	64
144	Constraints on the chiral magnetic effect using charge-dependent azimuthal correlations in p -Pb and PbPb collisions at the CERN Large Hadron Collider. Physical Review C, 2018, 97, .	1.1	64

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145	Evidence for the Higgs boson decay to a bottom quark-antiquark pair. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 780, 501-532.	1.5	63
146	A measurement of the Higgs boson mass in the diphoton decay channel. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2020, 805, 135425.	1.5	63
147	First results of the CALICE SDHCAL technological prototype. Journal of Instrumentation, 2016, 11, P04001-P04001.	0.5	62
148	Measurement of the B_{\pm}^0 Meson Nuclear Modification Factor in Pb-Pb Collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review Letters, 2017, 119, 152301.	2.9	62
149	Search for dark matter produced with an energetic jet or a hadronically decaying W or Z boson at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1.	1.6	62
150	Observation of Two Excited B_c States and Measurement of the B_c Stretching. Physical Review Letters, 2020, 124, 131802.	2.9	62
151	Search for resonant and nonresonant new phenomena in high-mass dilepton final states at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2021, 2021, 1.	1.6	62
152	Search for a Narrow Resonance Lighter than 200 GeV Decaying to a Pair of Muons in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Physical Review Letters, 2020, 124, 131802.	2.9	61
153	Measurement of the $B_{\pm}^0 \rightarrow \mu^{\pm} \tau^{\pm} \nu_{\tau}$ Decays at Belle.	2.9	59
154	Evidence for $B_{\pm}^0 \rightarrow \mu^{\pm} \tau^{\pm} \nu_{\tau}$ with a semileptonic tagging method. Physical Review D, 2019, 82, .	1.6	59
155	Search for $B_{\pm}^0 \rightarrow \mu^{\pm} \tau^{\pm} \nu_{\tau}$ and PbPb collisions at $\sqrt{s_{NN}} = 2.76$ TeV. Physical Review C, 2017, 96, .	1.1	59
156	Measurement of the Electroweak Penguin Process $B \rightarrow X_s \gamma$. Physical Review Letters, 2003, 90, 021801.	2.9	57
157	Tests of a Particle Flow Algorithm with CALICE test beam data. Journal of Instrumentation, 2011, 6, P07005-P07005.	0.5	57
158	Search for physics beyond the standard model in events with two leptons of same sign, missing transverse momentum, and jets in proton-proton collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2017, 77, 578.	1.4	57
159	Combined search for electroweak production of charginos and neutralinos in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
160	Measurements of Higgs boson properties in the diphoton decay channel in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	57
161	Inclusive production of $D^0, D^+ + \bar{D}^0, \bar{D}^+$ mesons in B decays and nonresonant $e^+ e^-$ annihilation at 10.6 GeV. Zeitschrift für Physik C-Particles and Fields, 1991, 52, 353-360.	1.5	56
162	Study of the baryon-antibaryon low-mass enhancements in charmless three-body baryonic B decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2005, 617, 141-149.	1.5	56

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181	Measurement of the polarization in the decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 340, 217-220.	1.5	51
182	Sedimentation and fouling of optical surfaces at the ANTARES site. Astroparticle Physics, 2003, 19, 253-267.	1.9	51
183	Measurement of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">e^+e^- \rightarrow c\bar{c} \rangle$ cross section at Energy Scan of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">e^+e^- \rightarrow c\bar{c} \rangle$ cross section	1.6	51
184	Energy Scan of the $\langle \text{mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline">e^+e^- \rightarrow c\bar{c} \rangle$ cross section		

#	ARTICLE	IF	CITATIONS
199	A partial wave analysis of the decay $D^0 \rightarrow K_S^0 \pi^+ \pi^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1993, 308, 435-443.	1.5	47
200	Measurements of branching fractions and decay amplitudes in decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 538, 11-20.	1.5	47
201	Measurement of Einstein-Podolsky-Rosen type flavor entanglement in $B \rightarrow K^* \pi^+ \pi^-$ decays. Physical Review Letters, 2007, 99, 131802.	2.9	47
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313	Correlations in Pb-Pb and $\sqrt{s_{NN}} = 2.76$ TeV collisions. Physical Review Letters, 2019, 123, 102001.	2.9	32
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345	Inclusive charged particle cross sections in photoproduction at HERA. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1994, 328, 176-186.	1.5	28
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348	Observation of $B \rightarrow \Lambda_c^+ D^0$ and $B \rightarrow \Lambda_c^+ D^0$ Decays. Physical Review Letters, 2003, 90, 141802. Observation of the decays 	2.9	28
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350	Measurement of the Quark Mixing Parameter $\cos^2 \theta_{12}$ Using Time-Dependent Dalitz Analysis of $B \rightarrow D [K S^0 \Lambda^0]$. Physical Review Letters, 2006, 97, 081801.	2.9	28
351	Study of Decay Mechanisms in $B \rightarrow \Lambda_c^+ \rho^-$ Decays and Observation of Low-Mass Structure in the $\Lambda_c^+ \rho^-$ System. Physical Review Letters, 2006, 97, 242001.	2.9	28
352	K^0 and Λ meson production in proton-nucleus interactions at $\sqrt{s}=41.6$ ext{GeV}. European Physical Journal C, 2007, 50, 315-328.	1.4	28
353	Measurement of D^0 mixing and search for indirect CP violation using $D^0 \rightarrow K S^0 \Lambda^0$ decays. Physical Review D, 2014, 89, .	1.6	28
354	Measurement of the drift velocity and transverse diffusion of electrons in liquid xenon with the EXO-200 detector. Physical Review C, 2017, 95, .	1.1	28
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363	Measurement of the C violation parameters in B^0 violation parameters. Physical Review D, 2013, 88, .	1.6	27
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372	Search for a charged Higgs boson decaying to charm and bottom quarks in proton-proton collisions at $\sqrt{s}=8$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	26
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386	Measurement of the integrated and differential $t\bar{t}$ production cross sections for high- p_T top quarks in pp collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2016, 94, .	1.6	24
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388	Measurement of the differential inclusive B^+ hadron cross sections in pp collisions at $\sqrt{s} = 13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 771, 435-456.	2.9	24
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399	Observation of $B^0 \rightarrow D_s^+ K^-$ Decay. Physical Review Letters, 2005, 94, 061802.	2.9	23
400	Publisher's Note: Improved measurement of CP-violation parameters $\sin 2\beta_1$ and $ \lambda $, B meson lifetimes, and $B^0 \rightarrow B^0$ mixing parameter Γ_{mix} [Phys. Rev. D 71, 072003 (2005)]. Physical Review D, 2005, 71, .	1.6	23
401	Study of scintillator strip with wavelength shifting fiber and silicon photomultiplier. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2006, 564, 590-596.	0.7	23
402	Evidence for $B^+ \rightarrow \rho^+ \bar{K}^0$ and Improved Measurements for $B^+ \rightarrow \rho^+ K^0$. Physical Review Letters, 2006, 97, 061802.	2.9	23
403	Search for $B^0 \rightarrow \rho^+ \rho^-$ and $B^+ \rightarrow \rho^+ \bar{K}^0$ at Belle. Physical Review D, 2007, 75, .	1.6	23
404	Measurements of time-dependent CP violation in $B^0 \rightarrow \rho^+ K^0$, $B^0 \rightarrow \rho^0 K^0$, $B^0 \rightarrow \rho^- K^0$ and $B^+ \rightarrow \rho^+ K^0$ decays. Physical Review D, 2007, 76, .	1.6	23
405	Observation of $D_s(2536)^+ \rightarrow D^+ \bar{K}^0$ and angular decomposition of $D_s(2536)^+ \rightarrow D^+ K^0$. Physical Review D, 2008, 77, .	1.6	23
406	Search for time-dependent CPT violation in hadronic and semileptonic B decays. Physical Review D, 2012, 85, .	1.6	23
407	Observation of Top Quark Production in Proton-Nucleus Collisions. Physical Review Letters, 2017, 119, 242001.	2.9	23
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440	Observation of $D^0 \rightarrow \pi^+ \pi^-$ decays with the full Belle data set. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 412-418.	2.9	20
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442	Measurement of $D^0 \rightarrow \pi^+ \pi^-$ mixing and search for CP violation in $D^0 \rightarrow \pi^+ \pi^-$ decays with the full Belle data set. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2016, 753, 412-418.	1.5	20
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444	Search for $t\bar{t}$ production in the all-jet final state in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	1.6	20
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446	A search for the standard model Higgs boson decaying to charm quarks. Journal of High Energy Physics, 2020, 2020, 1.	1.6	20
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449	Measurement of branching fraction ratios and CPAsymmetries in $B^0 \rightarrow \pi^+ \pi^-$. Physical Review D, 2003, 68, .	1.6	19
450	Observation of $B^0 \rightarrow \pi^+ \pi^-$ decays. Physical Review Letters, 2006, 97, 202003.	2.9	19

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455	Search for the pair production of third-generation squarks with two-body decays to a bottom or charm quark and a neutralino in proton-proton collisions at $\sqrt{s} = 13$ TeV. <i>Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics</i> , 2019, 798, 134992.	1.5	19
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461	Evidence for $B^0 \rightarrow \tau^+ \tau^- K$. <i>Physical Review Letters</i> , 2003, 91, 241802.	2.9	18
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463	Measurement of CP violation in $B^0 \rightarrow D^* \tau^+ \tau^- K$ and $B^0 \rightarrow D^* \tau^+ \tau^- K^+$ decays. <i>Physical Review D</i> , 2006, 73, .	1.6	18
464	Search for the η meson in $B^0 \rightarrow \tau^+ \tau^- K^0$. <i>Physical Review D</i> , 2006, 74, .	1.6	18
465	Study of the interactions of pions in the CALICE silicon-tungsten calorimeter prototype. <i>Journal of Instrumentation</i> , 2010, 5, P05007-P05007.	0.5	18
466	Observation of $B^0 \rightarrow \tau^+ \tau^- K^0$ and $B^0 \rightarrow \tau^+ \tau^- K^*0$ decays. <i>Physical Review Letters</i> , 2010, 104, 231801.	2.9	18
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495	Search for heavy resonances decaying into a vector boson and a Higgs boson in final states with charged leptons, neutrinos, and b quarks. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 768, 137-162.	1.5	17
496	Angular analysis of the decay $B^+ \rightarrow K^+ \pi^+ \pi^0$ in proton-proton collisions at $\sqrt{s} = 8$ TeV. Physical Review D, 2018, 98, .	1.6	17
497	Search for long-lived particles with displaced vertices in multijet events in proton-proton collisions at $\sqrt{s} = 13$ TeV. Physical Review D, 2018, 98, .	1.6	17
498	Search for dark matter produced in association with a single top quark or a top quark pair in proton-proton collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	1.6	17
499	Combination of CMS searches for heavy resonances decaying to pairs of bosons or leptons. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 798, 134952.	1.5	17
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501	The ARGUS microvertex drift chamber. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 283, 544-552.	0.7	16
502	Measurements of branching fractions and CP asymmetries in $B^0 \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2005, 71, .	1.6	16
503	Improved measurements of the partial rate asymmetry in $B^0 \rightarrow \pi^0 \pi^0$ decays. Physical Review D, 2005, 71, .	1.6	16
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506	Angular analysis of $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ and search for $C \rightarrow P$ violation at Belle. Physical Review D, 2013, 88, .	1.6	16
507	Validation of GEANT4 Monte Carlo models with a highly granular scintillator-steel hadron calorimeter. Journal of Instrumentation, 2013, 8, P07005-P07005.	0.5	16
508	Search for $C \rightarrow P$ Violation in $D \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$. Physical Review D, 2015, 91, .	2.9	16
509	Search for $B \rightarrow B^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ with hadronic tagging using the full Belle data sample. Physical Review D, 2015, 91, .	1.6	16
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511	Search for $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ hadronic tagging at Belle. Physical Review D, 2016, 93, .	1.6	16
512	Measurement of dijet azimuthal decorrelation in pp collisions at $\sqrt{s}=8$, $\sqrt{s}=8$ TeV. European Physical Journal C, 2016, 76, 536.	1.4	16
513	Search for heavy resonances decaying to a top quark and a bottom quark in the lepton+jets final state in proton-proton collisions at $\sqrt{s}=13$ TeV. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 777, 39-63.	1.5	16
514	Search for pair-produced resonances decaying to quark pairs in proton-proton collisions at $\sqrt{s}=13$ TeV. Physical Review D, 2018, 98, .	1.6	16
515	Search for single production of vector-like quarks decaying to a b quark and a Higgs boson. Journal of High Energy Physics, 2018, 2018, 1.	1.6	16
516	Search for new physics in top quark production in dilepton final states in proton-proton collisions at $\sqrt{s}=13$, ext $\sqrt{s}=13$ TeV. European Physical Journal C, 2019, 79, 886.	1.4	16
517	Measurement of the $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ production.	1.5	16
518	Observation of the Decay $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$. Physical Review Letters, 2002, 89, 122001.	2.9	15
519	Measurement of CP-violating parameters in $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ decays. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 546, 196-205.	1.5	15
520	Observation of $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ and evidence for $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$. Physical Review D, 2006, 74, .	1.6	15
521	Measurement of branching fractions for $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$.	1.5	15
522	Search for $B \rightarrow D^* \tilde{B}_s^* \tilde{B}_s^* \tilde{B}_s^*$ decays at the $\Upsilon(5S)$ resonance. Physical Review D, 2010, 82, .	1.6	15

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676	Observation of $B^0 \rightarrow \pi^+ \pi^-$ at Belle. Physical Review D, 2009, 80, .	1.6	8
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