

Thomas Kuhr

List of Publications by Year in descending order

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Version: 2024-02-01

168
papers

6,991
citations

66343

42
h-index

66911

78
g-index

170
all docs

170
docs citations

170
times ranked

6463
citing authors

#	ARTICLE	IF	CITATIONS
1	Publishing statistical models: Getting the most out of particle physics experiments. SciPost Physics, 2022, 12, .	4.9	18
2	Combined analysis of Belle and Belle II data to determine the CKM angle γ using $B \rightarrow D^* \ell^+ \ell^-$ decays. <i>Journal of High Energy Physics</i> , 2021, 2021, 047.	4.7	10
3	Punzi-loss. European Physical Journal C, 2022, 82, 121.	3.9	2
4	B-flavor tagging at Belle II. European Physical Journal C, 2022, 82, 1.	3.9	11
5	Shared Data and Algorithms for Deep Learning in Fundamental Physics. Computing and Software for Big Science, 2022, 6, .	2.9	9
6	Track finding at Belle II. Computer Physics Communications, 2021, 259, 107610.	7.5	25
7	Averages of b-hadron, c-hadron, and Λ_b lepton properties as of 2018. European Physical Journal C, 2021, 81, 1.	3.9	248
8	Measurement of the resonant and nonresonant branching ratios in $B \rightarrow D^* K^* K^0$. Physical Review D, 2021, 103, .	4.7	2
9	Measurement of the branching fraction of the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2021, 103, .	4.7	5
10	Measurements of partial branching fractions of inclusive $B \rightarrow X u \ell^+ \ell^-$ decays with hadronic tagging. Physical Review D, 2021, 104, .	4.7	12
11	Measurement of the branching fraction of the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2021, 103, .	7.8	26
12	Pixel Detector Background Generation using Generative Adversarial Networks at Belle II. EPJ Web of Conferences, 2021, 251, 03031.	0.3	1
13	Search for $B \rightarrow D^* \ell^+ \ell^-$ decays with hadronic tagging. Physical Review D, 2021, 104, .	7.8	35
14	Search for $B \rightarrow D^* \ell^+ \ell^-$ decays with hadronic tagging method at Belle. Physical Review D, 2021, 104, .	4.7	3
15	Precise Measurement of the $B \rightarrow D^* \ell^+ \ell^-$ and $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2021, 103, .	7.8	8
16	Measurement of Differential Branching Fractions of Inclusive $B \rightarrow X u \ell^+ \ell^-$ decays. Physical Review Letters, 2021, 127, 261801.	7.8	6
17	Measurement of the branching fraction of the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2021, 103, .	4.7	9
18	Search for Axionlike Particles Produced in $B \rightarrow D^* \ell^+ \ell^-$ Collisions at Belle II. Physical Review Letters, 2020, 125, 161806.	7.8	50

#	ARTICLE	IF	CITATIONS
37	<p>Measurements of the absolute branching fractions of $B \rightarrow Xc$ decays</p> <p>Search for $B \rightarrow Xc$ decays</p>	4.7	26
38	<p>Violation in the $B \rightarrow Xc$ decays</p>	4.7	10
39	<p>Charmed baryons in $B \rightarrow Xc$ decays</p>	4.7	61
40	<p>B2BI: Data Conversion from Belle to Belle-II. Computing and Software for Big Science, 2018, 2, 1.</p>	2.9	20
41	<p>Search for the rare decay of $B \rightarrow Xc$</p> <p>Measurement of $B \rightarrow Xc$ decays with improved hadronic τ</p>	4.7	15
42	<p>in $B \rightarrow Xc$ decays</p>		

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55	Measurement of the branching ratio of $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2016, 94, .	7.8	457
56	Averages of b-hadron, c-hadron, and Λ_b lepton properties as of summer 2016. European Physical Journal C, 2017, 77, 1.	3.9	379
57	Measurement of the branching ratio of $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2016, 94, .	4.7	196
58	Measurement of the decay $B \rightarrow D^* \ell^+ \ell^-$ fully reconstructed events and determination of the Cabibbo-Kobayashi-Maskawa matrix element V_{cb} . Physical Review D, 2016, 93, .	4.7	81
59	Search for the rare decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2016, 93, .	4.7	13
60	Search for the rare decay $B \rightarrow D^* \ell^+ \ell^-$ at Belle. Physical Review D, 2016, 93, .	4.7	10
61	Search for the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2016, 93, .	4.7	18
62	Search for the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2016, 93, .	4.7	7
63	Observation of the Decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review Letters, 2016, 116, 161801.	7.8	17
64	Measurement of the lepton forward-backward asymmetry in $B \rightarrow D^* \ell^+ \ell^-$ decays with a sum of exclusive modes. Physical Review D, 2016, 93, .	4.7	11
65	Studies of charmed strange baryons in the $B \rightarrow D^* \ell^+ \ell^-$ final state at Belle. Physical Review D, 2016, 94, .	4.7	37
66	Amplitude analysis of $B \rightarrow D^* \ell^+ \ell^-$ decays. Physical Review D, 2015, 91, .	4.7	63
67	Search for $B \rightarrow D^* \ell^+ \ell^-$ with hadronic tagging using the full Belle data sample. Physical Review D, 2015, 91, .	4.7	16
68	Evidence for the decay $B \rightarrow D^* \ell^+ \ell^-$. Physical Review D, 2015, 92, .	4.7	6
69	Measurement of the branching fraction of $B \rightarrow D^* \ell^+ \ell^-$ decays with the semileptonic tagging method. Physical Review D, 2015, 92, .	4.7	42
70	Measurement of the branching ratio of $B \rightarrow D^* \ell^+ \ell^-$ decays with the semileptonic tagging method. Physical Review D, 2015, 92, .	4.7	442
71	Search for the decay $B \rightarrow D^* \ell^+ \ell^-$ at Belle. Physical Review D, 2015, 91, .	7.8	14
72	Search for the decay $B \rightarrow D^* \ell^+ \ell^-$ at Belle. Physical Review D, 2015, 91, .	4.7	5

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73	Observation of <math xmlns:mml="http://www.w3.org/1998/Math/MathML" display="inline"><mml:mrow><mml:msup><mml:mrow><mml:mi>B</mml:mi></mml:mrow></mml:msup><mml:mrow><mml:mn>0</mml:mn></mml:mrow></math> \hat{p} \hat{A}		

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#	ARTICLE	IF	CITATIONS
91	Measurements of Direct $C \rightarrow P$ -Violating Asymmetries in Charmless Decays of Bottom Baryons. Physical Review Letters, 2014, 113, 242001.	7.8	34
92	Search for doubly charmed baryons and study of charmed strange baryons at Belle. Physical Review D, 2014, 89, .	4.7	66
93	Observation of $D \rightarrow D^* \pi$ Mixing and search for indirect CP violation using $D \rightarrow K^* \pi$ decays. Physical Review D, 2014, 89, .	7.8	20
94	Measurement of the branching fraction $B \rightarrow D^* \pi$. Physical Review D, 2014, 89, .	7.8	71
95	Measurement of time-dependent CP violation in $B \rightarrow D^* K$ decays. Journal of High Energy Physics, 2014, 2014, 1.	4.7	8
96	Measurement of $D \rightarrow D^* \pi$ mixing and search for indirect CP violation using $D \rightarrow K^* \pi$ decays. Physical Review D, 2014, 89, .	4.7	28
97	Measurements of the masses and widths of the $\chi_c(2455)0$ and $\chi_c(2520)0$ baryons. Physical Review D, 2014, 89, .	4.7	32
98	Search for CP Violation in the Decay $D^0 \rightarrow K_S^0 K^+ K^-$. Journal of High Energy Physics, 2013, 2013, 1.	4.7	15
99	Measurements of branching fractions of leptonic and hadronic $D_s^+ \rightarrow \ell^+ \nu_\ell$ meson decays and extraction of the $D_s^+ \rightarrow \ell^+ \nu_\ell$ meson decay constant. Journal of High Energy Physics, 2013, 2013, 1.	4.7	48
100	Evidence for the suppressed decay $B \rightarrow D^* K^* \pi$. Physical Review D, 2013, 88, .	4.1	6
101	Precise measurement of the branching fractions $B \rightarrow D^* K^* \pi$. Physical Review D, 2013, 88, .	4.7	9
102	Study of exclusive $B \rightarrow D^* K^* \pi$ decays and extraction of $B \rightarrow D^* K^* \pi$ branching fractions. Physical Review D, 2013, 88, .	4.7	99
103	Observation of $D \rightarrow D^* \pi$ Mixing and search for indirect CP violation using $D \rightarrow K^* \pi$ decays. Physical Review D, 2013, 88, .	7.8	26
104	Search for indirect CP violation in $D \rightarrow K^* \pi$ decays. Physical Review D, 2013, 88, .	4.7	16
105	Search for indirect CP violation in $D \rightarrow K^* \pi$ decays. Physical Review D, 2013, 88, .	4.7	79
106	Measurement of the branching fraction $B \rightarrow D^* \pi$ with the full Belle dataset. Physical Review D, 2013, 88, .	4.7	17
107	Measurement of the decays $B \rightarrow D^* K^* \pi$. Physical Review D, 2013, 88, .	4.7	17
108	Measurement of the branching fraction $B \rightarrow D^* K^* \pi$. Physical Review D, 2013, 88, .	4.7	17

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109	Search for asymmetries for $B \rightarrow K \bar{K} \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	4.7	51
110	Search for $B \rightarrow s \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	4.7	19
111	Search for $B \rightarrow \ell \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	7.8	135
112	Search for $B \rightarrow \ell \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	4.7	52
113	Evidence for Direct CP Violation in $B \rightarrow \ell \ell \ell$ and Observation of $B \rightarrow \ell \ell \ell$. Physical Review Letters, 2012, 108, 031801.	7.8	10
114	Search for $B \rightarrow \ell \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	7.8	128
115	Search for $B \rightarrow \ell \ell \ell$ decays. Physical Review Letters, 2012, 108, 031801.	7.8	83
116	Measurement of branching fraction and first evidence of CP violation in $B \rightarrow \ell \ell \ell$ decays. Physical Review D, 2012, 86, .	4.7	13
117	Measurement of the CP-Violation Parameters $\sin 2\beta_1$ with a New Tagging Method at the $\Upsilon(5S)$ Resonance. Physical Review Letters, 2012, 108, 171801.	7.8	4
118	Search for B decays to invisible final states at Belle. Physical Review D, 2012, 86, .	4.7	14
119	Search for time-dependent CPT violation in hadronic and semileptonic B decays. Physical Review D, 2012, 85, .	4.7	23
120	Measurements of branching fractions and time-dependent CP violating asymmetries in $B \rightarrow D^* D^* \ell \ell$ decays. Physical Review D, 2012, 85, .	4.7	12
121	Measurement of the Difference in CP-Violating Asymmetries in $D \rightarrow K^+ K^0$ and $D \rightarrow \ell^+ \ell^-$ Decays at CDF. Physical Review Letters, 2012, 109, 111801.	7.8	88
122	Measurement of the Bottom-Strange Meson Mixing Phase in the Full CDF Data Set. Physical Review Letters, 2012, 109, 171802.	7.8	62
123	Search for the decay $B \rightarrow D \ell \ell$. Physical Review Letters, 2012, 109, 021601.	4.7	12
124	Evidence for $B \rightarrow D \ell \ell$ decays. Physical Review Letters, 2012, 109, 021601.	7.8	26
125	Search for $B \rightarrow \ell \ell \ell$ decays. Physical Review D, 2012, 86, .	4.7	7
126	Measurement of $B \rightarrow D^* D^* \ell \ell$ Branching Ratios. Physical Review Letters, 2012, 108, 201801.	7.8	18

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127	First observation of CP violation and improved measurement of the branching fraction and polarization of $B^0 \rightarrow D^{*+} D^{*-}$ decays. Physical Review D, 2012, 86, .	4.7	4
128	Measurement of CP-violation asymmetries in $D^0 \rightarrow K_S^0 \pi^+ \pi^-$. Physical Review D, 2012, 86, .	4.7	13
129	Evidence for the Charmless Annihilation Decay Mode $B \rightarrow s \gamma$. Physical Review Letters, 2012, 108, 211803.	7.8	38
130	Measurement of $B^0 \rightarrow \pi^+ \pi^-$ and constraint on the $\hat{\theta}^2$ mixing angle. Physical Review D, 2012, 85, .	4.7	21
131	Measurement of the branching fraction $B(B_c \rightarrow c \bar{c} \pi^+ \pi^-)$ at CDF. Physical Review D, 2012, 85, .	4.7	6
132	Measurement of CP-violating asymmetries in $D^0 \rightarrow \pi^+ \pi^-$ and $D^0 \rightarrow K^+ K^-$ decays at CDF. Physical Review D, 2012, 85, .	4.7	65
133	First measurement of f_3 with a model-independent Dalitz plot analysis of $B^0 \rightarrow D^+ K^+ D^0 \rightarrow K_S^0 \pi^+ \pi^-$ decay. Physical Review D, 2012, 85, .	4.7	32
134	First Observation of $B \rightarrow s \gamma$. Physical Review Letters, 2012, 108, 181808.	7.8	20
135	Measurements of the properties of $\Lambda_c(2595)$, $\Lambda_c(2625)$, $\Lambda_c(2455)$, and $\Lambda_c(2520)$ baryons. Physical Review D, 2011, 84, .	4.7	47
136	Bounds on the width, mass difference and other properties of X . Physical Review D, 2011, 84, .	4.7	1
137	Study of the decay $B \rightarrow D^+ \pi^-$. Physical Review D, 2011, 84, .	4.7	1

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145	Measurement of the B_s^0 Lifetime in Fully and Partially Reconstructed $B_s^0 \rightarrow D_s^+ \pi^-$ Decays in $\bar{p}p$ Collisions at $\sqrt{s} = 1.96$ TeV. Physical Review Letters, 2011, 107, 272001.	7.8	13
146	Measurement of Polarization and Search for CP Violation in $B_s^0 \rightarrow \bar{D}_s^+ \pi^-$ Decays. Physical Review Letters, 2011, 107, 261802.	7.8	32
147	Evidence for the Suppressed Decay $B_s^0 \rightarrow \bar{D}_s^+ K^-$. Physical Review Letters, 2011, 106, 231803.	7.8	36
148	Observation of the Baryonic Flavor-Changing Neutral Current Decay $\Lambda_b^0 \rightarrow \Lambda^0 \pi^0$. Physical Review Letters, 2011, 107, 201802.	7.8	121
149	Observation of $B_s^0 \rightarrow \bar{D}_s^+ K^-$ and $B_s^0 \rightarrow \bar{D}_s^+ K^0$ decays. Physical Review D, 2011, 83, .	4.7	21
150	Measurements of branching fraction ratios and CP-asymmetries in suppressed $B_s^0 \rightarrow \bar{D}_s^+ K^-$ and $B_s^0 \rightarrow \bar{D}_s^+ K^0$ decays. Physical Review D, 2011, 84, .	4.7	16
151	Measurements of Direct CP Violating Asymmetries in Charmless Decays of Strange Bottom Mesons and Bottom Baryons. Physical Review Letters, 2011, 106, .	7.8	50
152	Observation of $B_s^0 \rightarrow \bar{D}_s^+ K^-$ and $B_s^0 \rightarrow \bar{D}_s^+ K^0$ decays. Physical Review Letters, 2011, 106, 231803.	7.8	54
153	Observation of $B_s^0 \rightarrow \bar{D}_s^+ K^-$ and $B_s^0 \rightarrow \bar{D}_s^+ K^0$ decays. Physical Review Letters, 2011, 106, 231803.	7.8	15
154	Measurement of $B_s^0 \rightarrow \bar{D}_s^+ K^-$ and $B_s^0 \rightarrow \bar{D}_s^+ K^0$ decays. Physical Review Letters, 2010, 104, 021801.	7.8	33
155	Search for CP Violation in the Decays $D(s) \rightarrow \bar{K}^0 \pi^+$ and $D(s) \rightarrow \bar{K}^0 K^+$. Physical Review Letters, 2010, 104, 181602.	7.8	40
156	Measurement of the form factors of the decay $B \rightarrow D^* \pi$. Physical Review Letters, 2010, 105, 201802.	4.7	16
157	Measurement of the CKM matrix element $ V_{cb} $ from Inclusive Charmless Semileptonic $B \rightarrow D^* \pi$ decays. Physical Review Letters, 2010, 104, 021801.	4.7	17
158	Measurements of branching fractions for $B^0 \rightarrow D_s^+ \pi^-$ and $B^0 \rightarrow D_s^+ K^-$. Physical Review D, 2010, 82, .	4.7	10
159	Search for leptonic decays of $B \rightarrow D^* \pi$ mesons. Physical Review D, 2010, 81, .	4.7	27
160	Study of the $B \rightarrow D^* \pi$ decays. Physical Review D, 2010, 81, .		

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163	Evidence for direct CP violation in the decay $B_{\pm} \rightarrow D^{(*)} K_{\pm}^* K_S^0$ and measurement of the CKM phase β_3 . Physical Review D, 2010, 81, .	4.7	82
164	Observation of $B \rightarrow D^* K_S^0$ decays at Belle. Physical Review D, 2010, 82, .	4.7	7
165	Evidence for $B \rightarrow K^* K_S^0$ decays at Belle. Physical Review D, 2010, 81, .	4.7	7
166	Updated search for the flavor-changing neutral-current decay $D^0 \rightarrow \pi^+ \pi^-$ in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV. Physical Review D, 2010, 82, .	4.7	8
167	Search for $B_s^0 \rightarrow h h$ decays at the $\Upsilon(5S)$ resonance. Physical Review D, 2010, 82, .	4.7	15
168	Measurement of Inclusive Radiative $B \rightarrow \gamma$ -Meson Decays with a Photon Energy Threshold of 1.7 GeV. Physical Review Letters, 2009, 103, 241801.	7.8	88