

Patrick Koppenburg

List of Publications by Year in descending order

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61
papers

5,032
citations

147566

31
h-index

128067

60
g-index

61
all docs

61
docs citations

61
times ranked

6771
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a Narrow Charmoniumlike State in Exclusive $B \rightarrow K \pi^+ \pi^- J/\psi$ Decays. <i>Physical Review Letters</i> , 2003, 91, 262001.	2.9	1,526
2	The LHCb trigger and its performance in 2011. <i>Journal of Instrumentation</i> , 2013, 8, P04022-P04022.	0.5	334
3	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2011, 71, 1.	1.4	238
4	Probing New Physics via the $B \rightarrow K^* \pi^0$ Decays. <i>Physical Review Letters</i> , 2012, 109, 041801.	2.9	212
5	Inclusive Measurement of the Photon Energy Spectrum in $B \rightarrow s^* \gamma$ Decays. <i>Physical Review Letters</i> , 2004, 93, 061803.	2.9	200
6	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 1.	1.4	153
7	B, D and K decays. <i>European Physical Journal C</i> , 2008, 57, 309-492.	1.4	146
8	Implications of LHCb measurements and future prospects. <i>European Physical Journal C</i> , 2013, 73, 1.	1.4	137
9	Branching ratio measurements of $B \rightarrow K^* \pi^0$ decays. <i>Physical Review D</i> , 2012, 86, .	1.6	118
10	Measurement of J/ψ polarization in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2013, 73, 2631.	1.4	117
11	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	111
12	Measurement of J/ψ production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2025.	1.4	106
13	Observation of double charm production involving open charm in pp collisions at $\sqrt{s}=7$ TeV. <i>Journal of High Energy Physics</i> , 2012, 2012, 1.	1.6	103
14	Differential branching fraction and angular analysis of the decay $B \rightarrow K^* \pi^0$. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	103
15	Measurement of the fragmentation fraction ratio f_s/f_d and its dependence on B meson kinematics. <i>Journal of High Energy Physics</i> , 2013, 2013, 1.	1.6	89
16	Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s}=7$ TeV. <i>European Physical Journal C</i> , 2012, 72, 2100.	1.4	83
17	Measurement of Time-Dependent CP-Violating Asymmetries in $B \rightarrow K^* K^0$, $B \rightarrow K^* \bar{K}^0$, and $B \rightarrow K^* K_S^0$ Decays. <i>Physical Review Letters</i> , 2003, 91, 261602.	2.9	82
18	First observation of $B \rightarrow K^* \pi^0$ decays. <i>Physical Review Letters</i> , 2012, 109, 041801.	2.9	212

Particle and High-Energy Physics, 2011, 698, 115-122.

#	ARTICLE	IF	CITATIONS
19	Inclusive W and Z production in the forward region at $\sqrt{s} = 7, \sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	71
20	Measurement of the isospin asymmetry in $B \rightarrow K^{*0} \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2012, 2012, 165		
21	Search for the rare decays $B \rightarrow K^{*0} \ell^+ \ell^-$. Journal of High Energy Physics, 2012, 2012, 165	1.5	60
22	Opposite-side flavour tagging of B mesons at the LHCb experiment. European Physical Journal C, 2012, 72, 2022.	1.4	58
23	Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224.	1.4	54
24	Measurement of $\psi(2S)$ $\psi(2S)$ polarisation in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2014, 74, 2872.	1.4	53
25	Measurement of the phase difference between short- and long-distance amplitudes in the $B \rightarrow K^+ \mu^+ \mu^-$ decay. European Physical Journal C, 2017, 77, 161.	1.4	51
26	Design and performance of the LHCb trigger and full real-time reconstruction in Run 2 of the LHC. Journal of Instrumentation, 2019, 14, P04013-P04013.	0.5	47
27	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
28	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
29	First observation of the decay $B \rightarrow K^+ \ell^+ \ell^-$. Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
30	Measurement of the relative rate of prompt c , b and s production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
31	Observation of the $B \rightarrow K^+ \ell^+ \ell^-$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
32	Extracting $\hat{\Gamma}^3$ and penguin topologies through CP violation in $B \rightarrow \psi K_{\mathcal{S}}$. European Physical Journal C, 2010, 70, 1025-1035.	1.4	31
33	Measurement of relative branching fractions of B decays to $\psi(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
34	Determination of $\hat{\Gamma}^3$ and penguin topologies through CP violation in $B \rightarrow \psi K_{\mathcal{S}}$. European Physical Journal C, 2010, 70, 1025-1035.	2.9	28
35	Studies of the resonance structure in $B \rightarrow K^+ \mu^+ \mu^-$ decays. European Physical Journal C, 2018, 78, 443.	1.4	28
36	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26

#	ARTICLE	IF	CITATIONS
37	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
38	Searches for Λ_b^0 and Ξ_b^0 decays to $K_{\text{S}}^0 \pi^0$ and $K_{\text{S}}^0 \pi^{\pm}$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
39	Measurements of the branching fractions of $B^+ \rightarrow p \bar{p} K^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
40	The CKM Parameters. Annual Review of Nuclear and Particle Science, 2017, 67, 97-127.	3.5	24
41	Updated measurement of time-dependent CP -violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	1.4	20
42	Measurement of V_0 production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. Journal of High Energy Physics, 2011, 2011, 1.	1.6	18
43	Software for the LHCb experiment. IEEE Transactions on Nuclear Science, 2006, 53, 1323-1328.	1.2	17
44	Improved limit on the branching fraction of the rare decay $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$. European Physical Journal C, 2017, 77, 678.	1.4	17
45	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\text{pm}}$, $\text{ext } \text{jet}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
46	A study of the Z production cross-section in pp collisions at $\sqrt{s} = 7$ TeV using τ final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
47	Search for CP violation in $B^0 \rightarrow p \bar{p} \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14
48	Search for the rare decay $B^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
49	Search for long-lived heavy charged particles using a ring imaging Cherenkov technique at LHCb. European Physical Journal C, 2015, 75, 595.	1.4	11
50	New algorithms for identifying the flavour of B^0 mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
51	Measurements of CP asymmetries in charmless four-body Λ_b^0 and Ξ_b^0 decays. European Physical Journal C, 2019, 79, 1.	1.4	11
52	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \nu_{\mu}$. European Physical Journal C, 2019, 79, 1.	1.4	11
53	First observation of the decay $B_s^0 \rightarrow \pi^0 K^* K^0$. Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
54	Study of $B_{\text{S}}^0 \rightarrow \pi^0 \pi^+ \pi^- K^+ K^-$ decays. Journal of High Energy Physics, 2021, 2021, 1.	1.6	9

#	ARTICLE	IF	CITATIONS
55	Measurement of the branching fraction of the $B^0 \rightarrow D^+_{s1} \pi^-$ decay. European Physical Journal C, 2021, 81, 1.	1.4	6
56	Measurement of the branching fraction and CP asymmetry in $B^+ \rightarrow J/\psi \rho^+$ decays. European Physical Journal C, 2019, 79, 1.	1.4	3
57	First measurement of the CP-violating phase in $B^0_{s1} \rightarrow J/\psi$ (ϕ) Tj ETQq1 1 0.784314 rgBT /Oyerlock 10	1.4	2
58	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13, \text{TeV}$. European Physical Journal C, 2022, 82, .	1.4	2
59	Radiation Damage Effects and Operation of the LHCb Vertex Locator. IEEE Transactions on Nuclear Science, 2018, 65, 1127-1132.	1.2	1
60	Observation of the decay $\overline{B}_s^0 \rightarrow \chi_{c2} K^+ K^-$ in the \bar{B} mass region. Journal of High Energy Physics, 2018, 2018, 1.	1.6	1
61	B, D and K decays. Advances in the Physics of Particles and Nuclei, 2009, , 297-480.	0.1	0