

Dmitrii Pereima

List of Publications by Year in descending order

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Version: 2024-02-01

142
papers

4,141
citations

147801

31
h-index

133252

59
g-index

147
all docs

147
docs citations

147
times ranked

6097
citing authors

#	ARTICLE	IF	CITATIONS
1	Observation of a new χ_{c0} state. Physical Review D, 2021, 103, .	4.7	21
2	Study of $B_s \rightarrow D^* K^0$ decays. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
3	First Observation of the Decay $B_c \rightarrow D^* K^0$ and a Measurement of $B_c \rightarrow D^* K^0$. Physical Review Letters, 2021, 126, 081804.	4.7	28
4	Measurement of the CKM angle β_3 in $B_{\pm} \rightarrow D^* K^0$ and $B_{\pm} \rightarrow D^* K^{\pm}$ decays with $D^* \rightarrow K^0 \pi^{\pm}$. Journal of High Energy Physics, 2021, 2021, 1.	4.7	6
5	Search for long-lived particles decaying to $e^+ \mu^-$. European Physical Journal C, 2021, 81, 1.	3.9	9
6	Observation of Multiplicity Dependent Prompt χ_{c0} decays. Physical Review Letters, 2021, 126, 091802.	4.7	2
7	Observation of the $B_s \rightarrow D^* K^0$ decay. Journal of High Energy Physics, 2021, 2021, 1.	4.7	2
8	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^+ \nu$, $W^+ \rightarrow \mu^+ \mu^+ \nu$, $W^+ \rightarrow \mu^+ \mu^+ \nu$ decays. European Physical Journal C, 2021, 81, 1.	3.9	15
9	Violation in the Decay $B_c \rightarrow D^* K^0$. Physical Review Letters, 2021, 126, 091802.	7.8	9
10	Observation of CP violation in two-body $B_{(s)} \rightarrow K^0 \pi^0$ meson decays to charged pions and kaons. Journal of High Energy Physics, 2021, 2021, 1.	4.7	10
11	Measurement of CP observables in $B_{\pm} \rightarrow D^* K^0$ and $B_{\pm} \rightarrow D^* K^{\pm}$ decays using two-body D final states. Journal of High Energy Physics, 2021, 2021, 1.	4.7	9
12	Search for the rare decay $B \rightarrow D^* K^0$. Chinese Physics C, 2021, 45, 043001.	3.7	2
13	Observation of the $B_c \rightarrow D^* K^0$ decay. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2021, 815, 136172.	4.1	1
14	Search for the doubly charmed baryon Ξ_{cc}^{++} . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1.	5.1	35
15	Observation of Enhanced Double Parton Scattering in Proton-Lead Collisions at $\sqrt{s_{NN}}=8.16$ TeV. Physical Review Letters, 2020, 125, 212001.	7.8	10
16	Observation of structure in the J/ψ -pair mass spectrum. Science Bulletin, 2020, 65, 1983-1993.	9.0	212
17	Precision measurement of the B_c meson mass. Journal of High Energy Physics, 2020, 2020, 1.	4.7	8
18	Updated measurement of decay-time-dependent CP asymmetries in $D^0 \rightarrow K^0 \pi^0$ and $D^0 \rightarrow K^0 \pi^{\pm}$ decays. Physical Review D, 2020, 101, .	4.7	8

#	ARTICLE	IF	CITATIONS
19	Amplitudes in $\langle \text{mml:math xmlns:mml}="http://www.w3.org/1998/Math/MathML" display="inline" \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:msubsup} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi mathvariant}="normal" \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mi} \rangle b \langle \text{mml:mi} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mrow} \rangle \langle \text{mml:mn} \rangle 0 \langle \text{mml:mrow} \rangle \langle \text{mml:mo stretchy}="false" \rangle \hat{+} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle J \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mo stretchy}="false" \rangle \langle \text{mml:mi} \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle \langle \text{mml:mi mathvariant}="normal" \rangle \hat{I} \langle \text{mml:mi} \rangle \langle \text{mml:mi} \rangle$		

#	ARTICLE	IF	CITATIONS
37	Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1.	4.7	33
38	Measurement of Λ_c^+ production in pp collisions at $\sqrt{s} = 13$ TeV. Chinese Physics C, 2020, 44, 022001.	3.7	16
39	Amplitude analysis of the $B \rightarrow K^* \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	42
40	Violation in $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 031801.	7.8	32
41	Measurement of $\psi(2S)$ production cross-sections in proton-proton collisions at $\sqrt{s} = 7$ and 13 TeV. European Physical Journal C, 2020, 80, .	3.9	8
42	Search for $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review Letters, 2020, 124, 041801.	4.7	28
43	Search for the lepton flavour violating decay $B^+ \rightarrow K^+ \ell^+ \ell^-$, using B_{s2}^0 decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
45	Observation of a new baryon state in the Λ_b^0 mass spectrum. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
46	Searches for low-mass dimuon resonances. Journal of High Energy Physics, 2020, 2020, 1.	4.7	24
47	Search for the doubly heavy χ_{bc}^0 baryon via decays to $D^0 K^+$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	13
48	Strong constraints on the $b \rightarrow s^* \gamma$ photon polarisation from $B^0 \rightarrow K^* e^+ e^-$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	19
49	Measurement of the relative branching fractions of $B \rightarrow K^* h$ decays. Physical Review D, 2020, 102, .	4.7	6
50	Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	3.9	17
51	Search for CP violation in $\chi_{c1}^+ \rightarrow p \bar{K}^+ \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	3.9	14
52	Measurement of branching fraction ratios for $B^+ \rightarrow D^{*+} K^+$, $B^+ \rightarrow D^{*0} K^+$, and $B^0 \rightarrow D^{*+} K^+$ decays. Journal of High Energy Physics, 2020, 2020, .	4.7	1
53	Measurement of the shape of the $B_s^0 \rightarrow D_s^* \mu^+ \mu^-$ differential decay rate. Journal of High Energy Physics, 2020, 2020, 1.	4.7	7
54	First observation of the decay $B \rightarrow K^* \ell^+ \ell^-$. Journal of High Energy Physics, 2020, 2020, 1.	4.7	0

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55	Observation of the semileptonic decay $B^0 \rightarrow \rho^0 \mu^+ \mu^-$. Journal of High Energy Physics, 2020, 2020, .	4.7	4
56	Measurement of CP violation in $B^0 \rightarrow D^{\pm} D^{\mp}$ decays. Journal of High Energy Physics, 2020, 2020, 1.	4.7	2
57	Measurement of the branching fractions of the decays $D^+ \rightarrow K^+ K^+ \mu^-$, $D^+ \rightarrow \bar{K}^0 K^+ \mu^-$ and $D^+ \rightarrow \bar{K}^0 K^+ \mu^-$. Journal of High Energy Physics, 2019, 2019, .	4.7	6
58	Study of the $B^0 \rightarrow \bar{K}^0 K^* (892)^0$ decay with an amplitude analysis of $B^0 \rightarrow (\bar{K}^0 K^*) (K^+ \bar{K}^0)$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
59	Measurement of the ratio of branching fractions of the decays $B^0 \rightarrow \bar{K}^0 K^* (2S)^0$ and $B^0 \rightarrow \bar{K}^0 K^* (1S)^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5
60	Dalitz plot analysis of the $D^+ \rightarrow \bar{K}^0 K^+ K^+$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	10
61	Precision measurement of the $B^0 \rightarrow \bar{K}^0 K^+ K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	20
62	Amplitude analysis of $B^0 \rightarrow \bar{K}^0 K^* K^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	12
63	First Observation of the Radiative Decay $B^0 \rightarrow \bar{K}^0 K^* \gamma$. Physical Review Letters, 2019, 123, 031801.	7.8	19
64	Measurement of the branching fraction and CP asymmetry in $B^0 \rightarrow \rho^0 \mu^+ \mu^-$ decays. European Physical Journal C, 2019, 79, 1.	3.9	3
65	Measurement of the Mass Difference Between Neutral Charm-Meson Eigenstates. Physical Review Letters, 2019, 122, 231802.	7.8	55
66	Near-threshold D^0 spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1.	4.7	29
67	Amplitude analysis of the $B^0 \rightarrow \rho^0 K^+ K^-$ decays and measurement of the branching fraction of the $B^0 \rightarrow \rho^0 K^+ K^-$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11
68	Observation of New Resonances in the $B^0 \rightarrow \bar{K}^0 K^+ K^-$ decays. Physical Review Letters, 2019, 123, 152001.	7.8	49
69	Updated measurement of time-dependent CP-violating observables in $B^0 \rightarrow \rho^0 K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1.	3.9	20
70	Measurement of hadron fractions in 13.6 TeV pp collisions. Physical Review D, 2019, 100, .	4.7	51
71	Measurement of the relative $B^0 \rightarrow D^0 D^{*0} \rho^0$ branching fractions using B^0 mesons from $B^0 \rightarrow 2^0$ decays. Physical Review D, 2019, 99, .	4.7	3
72	Measurement of CP observables in the process $B^0 \rightarrow DK^0$ with two- and four-body D decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	5

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73	Search for the rare decay $B^+ \rightarrow \mu^+ \mu^- \mu^+ \mu^-$. European Physical Journal C, 2019, 79, 1.	3.9	11
74	Measurement of the CP-violating phase γ from $B \rightarrow J/\psi K^0$ decays. Physical Review Letters, 2019, 122, 232001.	4.1	6
75	Observation of the $\Lambda_b^0 \rightarrow p \chi_{c1}^0$ (3872) $p\bar{K}^0$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
76	Measurement of the Charm-Mixing Parameter γ_{CP} . Physical Review Letters, 2019, 122, 011802.	7.8	15
77	Measurement of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 122, 232001.	7.8	9
78	Measurement of $B \rightarrow D^* K^0$ decays. Physical Review Letters, 2019, 122, 232001.	4.7	17
79	Observation of a Narrow Pentaquark State $\Lambda_b^0 \rightarrow p \chi_{c1}^0$ (3872) $p\bar{K}^0$. Physical Review Letters, 2019, 122, 232001.	7.8	157
80	Observation of an Excited B_c State. Physical Review Letters, 2019, 122, 232001.	7.8	157
81	Search for Lepton-Universality Violation in $B \rightarrow K^* \ell^+ \ell^-$ Decays. Physical Review Letters, 2019, 122, 191801.	7.8	355
82	Observation of the doubly Cabibbo-suppressed decay $\Lambda_b^0 \rightarrow p \bar{K}^0 p \bar{K}^0$. Journal of High Energy Physics, 2019, 2019, 1.	4.7	2
83	Model-Independent Observation of Exotic Contributions to $B \rightarrow D^* K^0$ Decays. Physical Review Letters, 2019, 122, 152002.	7.8	24
84	Search for CP violation through an amplitude analysis of $D^0 \rightarrow K^+ K^- \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	7
85	First Measurement of Charm Production in its Fixed-Target Configuration at the LHC. Physical Review Letters, 2019, 122, 132002.	7.8	48
86	Measurement of the mass and production rate of B_c baryons. Physical Review D, 2019, 99, 014001.	4.7	18
87	Prompt $b \rightarrow c$ production in pPb collisions at $\sqrt{s_{NN}} = 5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1.	4.7	14
88	Measurement of the electron reconstruction efficiency at LHCb. Journal of Instrumentation, 2019, 14, P11023-P11023.	1.2	7
89	A search for $\Xi_{cc}^{++} \rightarrow D^+ p \bar{K}^0 \bar{K}^0$ decays. Journal of High Energy Physics, 2019, 2019, 1.	4.7	11

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91	Measurement of CP violation in the $B_s^0 \rightarrow \phi \phi$ decay and search for the $B_0 \rightarrow \hat{1} \cdot \hat{1}$ decay. Journal of High Energy Physics, 2019, 2019, 1.	4.7	6
92	Measurement of the $B_c \rightarrow \hat{1} \cdot \hat{1}$ meson production fraction and asymmetry in 7 and 13 TeV collisions. Physical Review D, 2019, 100.	4.7	12
93	Search for Lepton-Flavor Violating Decays $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$. Physical Review Letters, 2019, 123, 241802.	7.8	18
94	Measurement of $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ -Violating and Mixing-Induced Observables in $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ Decays. Physical Review Letters, 2019, 123, 231802.	7.8	10
95	Amplitude Analysis of $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ Decays. Physical Review Letters, 2019, 123, 231802.	7.8	38
96	Tagged Jets in Proton-Proton Collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	7.8	10
97	Observation of Two Resonances in the $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ Systems and Precise Measurement of $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ Decays. Journal of High Energy Physics, 2018, 2018, 1.	7.8	48
98	Search for excited $B_c^+ +$ states. Journal of High Energy Physics, 2018, 2018, 1.	4.7	15
100	A measurement of the CP asymmetry difference between $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ and $B \rightarrow \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1} K +$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	14
101	Measurement of CP asymmetry in $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	13
102	First measurement of the CP-violating phase $\phi_{\hat{1} \cdot \hat{1}}^{\hat{1} \cdot \hat{1}}$ in $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
103	Central exclusive production of J/ψ and $\psi(2S)$ mesons in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	30
104	Measurement of the time-integrated CP asymmetry in $D_0 \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	7
105	Study of $\hat{1} \cdot \hat{1}$ production in pPb collisions at $\sqrt{s_{NN}} = 8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1.	4.7	16
106	Search for beautiful tetraquarks in the $\psi(1S) \rightarrow \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1.	4.7	39
107	Search for CP violation in $B \rightarrow \hat{1} \cdot \hat{1} K + \hat{1} \cdot \hat{1} \hat{1} \cdot \hat{1}$ decays. Physics Letters Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 787, 124-133.	4.1	13
108	Search for lepton-flavour-violating decays of Higgs-like bosons. European Physical Journal C, 2018, 78, 1008.	3.9	9

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109	Evidence for an $\eta_c(1S)$ $\pi^+\pi^-(1S)$ resonance in $B^0 \rightarrow \eta_c(1S) K^+\pi^-$		
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127	Measurement of CP asymmetries in two-body B(s)0 -meson decays to charged pions and kaons. Physical Review D, 2018, 98, .	4.7	20
128	Observation of the decay $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$. Journal of High Energy Physics, 2018, 2018, 1.	4.7	8
129	Measurement of the CP asymmetry in $B^+ \rightarrow \pi^+ \pi^0$ and $B^+ \rightarrow \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	2
130	Search for CP violation using triple product asymmetries in $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$, $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$ and $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	11
131	Search for the rare decay $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$. Physical Review D, 2018, 97, .	4.7	17
132	Search for weakly decaying b -flavored pentaquarks. Physical Review D, 2018, 97, .	4.7	7
133	Measurement of CP violation in $B^0 \rightarrow \pi^+ \pi^-$ decays. Journal of High Energy Physics, 2018, 2018, 1.	4.7	4
134	Search for B_{c^+} decays to two charm mesons. Nuclear Physics B, 2018, 930, 563-582.	2.5	8
135	Measurement of the Lifetime of the Doubly Charmed Baryon $\hat{\Lambda}_{cc}^+$. Physical Review Letters, 2018, 121, 052002.	7.8	76
136	Observation of the decay $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2018, 784, 101-111.	4.1	8
137	Observation of a New $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$ Resonance. Physical Review Letters, 2018, 121, 072002.	7.8	77
138	Evidence for the Rare Decay $\hat{B}^0 \rightarrow \hat{A}^0 \pi^+ \pi^-$. Physical Review Letters, 2018, 120, 221803.	7.8	24
139	Studying the spectrometric characteristics of an ionizing-radiation detector based on a LaBr3(Ce) scintillator and a silicon photomultiplier. Instruments and Experimental Techniques, 2017, 60, 182-187.	0.5	0
140	Calibration of the LHCb calorimetric system. Journal of Instrumentation, 2017, 12, C06016-C06016.	1.2	1
141	Calibration system of the LHCb hadronic calorimeter. Journal of Physics: Conference Series, 2017, 798, 012174.	0.4	0
142	Study of characteristics of the \hat{A}^0 -type cellular electromagnetic calorimeter prototype. Bulletin of the Lebedev Physics Institute, 2016, 43, 295-297.	0.6	1