

# Valery Pugatch

## List of Publications by Year in descending order

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Version: 2024-02-01

173  
papers

5,772  
citations

76196

40  
h-index

95083

68  
g-index

175  
all docs

175  
docs citations

175  
times ranked

7221  
citing authors

#	ARTICLE	IF	CITATIONS
1	Angular analysis of the $B^0 \rightarrow K^* \rho^+ \rho^-$ decay using $3 \text{ fb}^{-1}$ of integrated luminosity. Journal of High Energy Physics, 2016, 2016, 1.	1.6	304
2	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2011, 71, 1.	1.4	238
3	Challenges in QCD matter physics –The scientific programme of the Compressed Baryonic Matter experiment at FAIR. European Physical Journal A, 2017, 53, 1.	1.0	222
4	Differential branching fractions and isospin asymmetries of $B \rightarrow K^* (\rho^+ \rho^-)$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	206
5	Angular analysis and differential branching fraction of the decay $B \rightarrow D^* \rho^+ \rho^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	191
6	Observation of $X(3872)$ production in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	153
7	Implications of LHCb measurements and future prospects. European Physical Journal C, 2013, 73, 1.	1.4	137
8	Measurement of $J/\psi$ polarization in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2013, 73, 2631.	1.4	117
9	Differential branching fraction and angular analysis of the decay $B^0 \rightarrow K^* \rho^+ \rho^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	111
10	Measurement of $\psi'$ production in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2025.	1.4	106
11	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7 \text{ TeV}$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	103
12	Differential branching fraction and angular analysis of the decay $B \rightarrow D^* \rho^+ \rho^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	103
13	Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s}=13 \text{ TeV}$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	100
14	Measurement of the fragmentation fraction ratio $f_s/f_d$ and its dependence on B meson kinematics. Journal of High Energy Physics, 2013, 2013, 1.	1.6	89
15	Measurement of $\psi(2S)$ meson production in pp collisions at $\sqrt{s}=7 \text{ TeV}$ . European Physical Journal C, 2012, 72, 2100.	1.4	83
16	Study of $D^* J$ meson decays to $D^* \rho^+ \rho^-$ , $D^* \rho^+ \rho^+$ and $D^* \rho^+ \rho^0$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1.	1.6	82
17	Measurements of the S-wave fraction in $B \rightarrow D^* \rho^+ \rho^-$ decays and the $B \rightarrow D^* \rho^+ \rho^- (892) \rho^+ \rho^-$ differential branching. Journal of High Energy Physics, 2016, 2016, 1.	1.6	75
18	Study of $J/\psi$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5 \text{ TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	74

#	ARTICLE	IF	CITATIONS
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19	Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via		
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#	ARTICLE	IF	CITATIONS
37	Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152.	1.4	44
38	A Measurement of the $\tilde{\chi}^0 \rightarrow J/\psi$ production ratio in 920 GeV proton-nucleus interactions. European Physical Journal C, 2007, 49, 545-558.	1.4	43
39	First observation of the decay $B_c^+ \rightarrow \psi(2S) K^+$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	41
40	Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812.	1.4	41
41	Study of the kinematic dependences of $\tilde{b} \rightarrow b \gamma$ production in pp collisions and a measurement of the $\tilde{b} \rightarrow b \gamma$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1.	1.6	39
42	The HERA-B vertex detector system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 453, 103-108.	0.7	38
43	Measurement of the forward-backward asymmetry in $Z \rightarrow \tau^+ \tau^-$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1.	1.6	37
44	Production of associated $\Upsilon$ and open charm hadrons in pp collisions at $\sqrt{s} = 7$ and 8 TeV via double parton scattering. Journal of High Energy Physics, 2016, 2016, 1.	1.6	37
45	First observation of the decay $B \rightarrow \tau^+ \nu_\tau + \tau^- \nu_\tau$ . Journal of High Energy Physics, 2012, 2012, 1.	1.6	36
46	Measurement of the relative rate of prompt $\tilde{c} \rightarrow c \gamma$ , $\tilde{c} \rightarrow c \tau^+ \tau^-$ and $\tilde{c} \rightarrow c Z$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	36
47	Observation of the $\tilde{b} \rightarrow b \gamma$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	35
48	Addendum: Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	34
49	Measurement of $D^0$ , $D^+$ , $D_s^+$ and $D^{*+}$ production in fixed target 920 GeV proton-nucleus collisions. European Physical Journal C, 2007, 52, 531-542.	1.4	33
50	Study of $\tilde{\nu}_\tau$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	33
51	Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	33
52	Angular distributions of leptons from $J/\psi$ produced in 920 GeV fixed-target proton-nucleus collisions. European Physical Journal C, 2009, 60, 517-524.	1.4	32
53	Search for the lepton flavour violating decay $\tilde{L}_i \rightarrow L_j \tau^+ \tau^-$ . Journal of High Energy Physics, 2015, 2015, 1.		32
54	Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1.	1.4	30

#	ARTICLE	IF	CITATIONS
55	Measurement of $J/\psi$ production in pp collisions at $\sqrt{s}=2.76\text{TeV}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	30
56	Measurement of charged particle multiplicities and densities in $pp$ collisions at $\sqrt{s}=7\text{TeV}$ in the forward region. European Physical Journal C, 2014, 74, 2888.	1.4	30
57	Forward production of $\Upsilon$ mesons in pp collisions at $s = 7\sqrt{s}=7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
58	Angular analysis of the $B^0 \rightarrow K^{*0} e^+ e^-$ decay in the low- $q^2$ region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	30
59	$J/\psi$ production via $\bar{b}c$ decays in 920 GeV pA interactions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 561, 61-72.	1.5	29
60	Measurement of relative branching fractions of B decays to $\bar{\psi}(2S)$ and $J/\psi$ mesons. European Physical Journal C, 2012, 72, 2118.	1.4	29
61	Measurement of the CKM angle $\hat{\beta}$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1.	1.6	29
62	$K^{*0}$ and $\bar{D}^+$ meson production in proton-nucleus interactions at $\sqrt{s}=41.6\text{GeV}$ . European Physical Journal C, 2007, 50, 315-328.	1.4	28
63	Measurement of the $B^0 \rightarrow K^+ e^- e^+$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
64	First measurement of time-dependent CP violation in $B_{s^0} \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	28
65	Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9\text{TeV}$ and $7\text{TeV}$ . European Physical Journal C, 2012, 72, 1.	1.4	26
66	Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	26
67	Angular analysis of charged and neutral $B \rightarrow K^{1/2} + \bar{K}^{1/2} e^+ e^-$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	26
68	Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664.	1.4	26
69	Measurement of the forward energy flow in pp collisions at $\sqrt{s}=7\text{TeV}$ . European Physical Journal C, 2013, 73, 2421.	1.4	25
70	Observation of the decay $B_c^+ \rightarrow J/\psi K + K^+ \bar{\psi}$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	25
71	Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7\text{TeV}$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	25
72	Searches for $\Lambda_b^0$ and $\Xi_b^0$ decays to $K_{\text{S}}^0 \pi^+$ and $K_{\text{S}}^0 K^+$ final states with first observation of the $\Lambda_b^0 \rightarrow K_{\text{S}}^0 \pi^+$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	25

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73	Measurements of the branching fractions of $B^+ \rightarrow \rho^0 p \bar{K}^+$ decays. European Physical Journal C, 2013, 73, 2462.	1.4	24
74	Measurement of the forward W boson cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
75	Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1.	1.6	24
76	Observations of $B^0 \rightarrow K^+ K^-$ and $B^0 \rightarrow K^+ K^0$ decays and searches for other $B^0$ and $\bar{B}^0$ decays to $B^0$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	24
77	Measurement of the forward Z boson production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	23
78	Measurement of the $B^{\pm}$ production cross-section in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	22
79	Measurement of the CKM angle $\hat{\beta}_3$ using $B^{\pm} \rightarrow DK^{\pm}$ with $D \rightarrow K^0 \pi^{\pm}$ , $K^0 \pi^0$ , $K^0 K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	22
80	Production of the charmonium states $\chi_{c0}$ and $\chi_{c1}$ in proton nucleus interactions at $\sqrt{s} = 2.76$ TeV. Physical Review D, 2009, 79, .	1.6	21
81	Search for CP violation using T-odd correlations in $D^0 \rightarrow K^+ K^- \pi^0$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	21
82	Precise measurements of the properties of the $B(5721)^0$ and $B(5747)^0$ states and observation of $B_c^+$ mass structures. Journal of High Energy Physics, 2015, 2015, 1.	1.6	21
83	A precise measurement of the $B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412.	1.4	21
84	Measurement of the $\chi_{c0}$ and $\chi_{c1}$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	20
85	Measurement of the $\chi_{c0}$ and $\chi_{c1}$ production cross-sections in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1.	1.5	20
86	Measurement of the $\chi_{c0}$ (3P) mass and of the relative rate of $\chi_{c0}(1P)$ and $\chi_{c0}(2P)$ production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	20
87	Performance of the HERA-B vertex detector system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2003, 501, 39-48.	0.7	19
88	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
89	Measurement of the fraction of $\chi_{c0}$ (1S) originating from $\chi_{c0}(1P)$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1.	1.6	18
90	Measurement of forward $W^+ \rightarrow e^+ \nu_e$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	18

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91	Search for the decay $B_s^0 \rightarrow \overline{D}^0 \gamma$ (980). Journal of High Energy Physics, 2015, 2015, 1.	1.6	17
92	Observation of $B^0 \rightarrow \pi^+ \pi^- (2S) p K^+$ and $B^0 \rightarrow \pi^+ \pi^- / \overline{\pi}^+ \pi^- + \overline{\pi}^+ p K^+$ decays and a measurement of the $B^0$ baryon mixing parameter. Journal of High Energy Physics, 2016, 2016, 1.	1.6	17
93	Study of charmonium production in $B$ -hadron decays and first evidence for the decay $B_s^0 \rightarrow \pi^+ \pi^- \pi^0$ . European Physical Journal C, 2017, 77, 609.	1.4	17
94	Improved limit on the branching fraction of the rare decay $B_s^0 \rightarrow \mu^+ \mu^- K^+ K^-$ . European Physical Journal C, 2017, 77, 678.	1.4	17
95	Measurement of the $\eta_c(1S)$ production cross-section in $pp$ collisions at $\sqrt{s} = 13$ TeV. European Physical Journal C, 2020, 80, 1.	1.4	17
96	Evidence for the decay $B_{(c)}^+ \rightarrow \psi(3710) \pi^+$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	16
97	Measurement of forward $W$ and $Z$ boson production in association with jets in proton-proton collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	16
98	Measurement of CP violation parameters and polarisation fractions in $B_s^0 \rightarrow J/\psi K^+ K^-$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	15
99	Differential branching fraction and angular moments analysis of the decay $B^0 \rightarrow K^+ K^- \pi^+$ in the $K^0(1430)$ region. Journal of High Energy Physics, 2016, 2016, 1.	1.6	15
100	Observation of the suppressed decay $B^0 \rightarrow \pi^+ \pi^- \pi^0$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	15
101	Search for heavy neutral leptons in $W^+ \rightarrow \mu^+ \mu^{\pm} + \text{jet}$ decays. European Physical Journal C, 2021, 81, 1.	1.4	15
102	Improved measurement of the $\psi(2S)$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physical Review D, 2006, 73, .	1.6	14
103	Search for CP violation in $D^+ \rightarrow \pi^+ \pi^0$ and $D_s^+ \rightarrow \pi^+ \pi^0$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
104	A study of the $Z$ production cross-section in $pp$ collisions at $\sqrt{s} = 7$ TeV using $\tau$ final states. Journal of High Energy Physics, 2013, 2013, 1.	1.6	14
105	Measurement of CP asymmetry in $B_s^0 \rightarrow D^+ K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	14
106	Measurement of the inelastic $pp$ cross-section at a centre-of-mass energy of $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2015, 2015, 1.	1.6	14
107	Study of $\psi(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2016, 2016, 1.	1.6	14
108	Search for CP violation in $\chi_{c1}^+ \rightarrow p K^+ \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1.	1.4	14

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109	Search for the rare decay $K_{\text{S}}^0 \rightarrow \mu^+ \mu^-$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	13
110	Search for CP violation in $D^{\pm} \rightarrow K^0 K^{\pm}$ and $D_s^{\pm} \rightarrow K^0 K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
111	Measurement of polarization amplitudes and CP asymmetries in $B^0 \rightarrow \bar{K}^*(892)0$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	13
112	Measurement of the time-integrated CP asymmetry in $D^0 \rightarrow K^0 K^0$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	13
113	Measurement of the ratio of branching fractions $\mathcal{B}(B_c \rightarrow \bar{K}^* K^+) / \mathcal{B}(B_c \rightarrow \bar{K}^* K^0)$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
114	Study of $D_{s1}^*$ mesons decaying to $D^{\pm} K^0$ and $D^* K^+$ final states. Journal of High Energy Physics, 2016, 2016, 1.	1.6	13
115	Measurement of CP asymmetries and polarisation fractions in $B_s^0 \rightarrow \bar{K}^* K^{\pm} K^{\mp}$ decays. Journal of High Energy Physics, 2015, 2015, 1.	1.6	12
116	Search for decays of neutral beauty mesons into four muons. Journal of High Energy Physics, 2017, 2017, 1.	1.6	12
117	Measurement of the $B_s^0 \rightarrow \bar{K}^* K^0$ branching fraction and search for the decay $B^0 \rightarrow \bar{K}^* K^0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	11
118	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
119	New algorithms for identifying the flavour of $B^0$ mesons using pions and protons. European Physical Journal C, 2017, 77, 238.	1.4	11
120	Test of internal halo targets in the HERA proton ring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 354, 224-248.	0.7	9
121	Micro-strip metal detector for the beam profile monitoring. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 581, 531-534.	0.7	9
122	First observation of the decay $B_s^0 \rightarrow \phi \bar{K}^* K^0$ . Journal of High Energy Physics, 2013, 2013, 1.	1.6	9
123	First observations of the rare decays $B^+ \rightarrow \bar{K}^* K^+ \bar{K}^0$ and $B^+ \rightarrow \bar{K}^* K^+ \bar{K}^0$ . Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
124	Search for the $\bar{b} \rightarrow b$ decays with the LHCb detector. Journal of High Energy Physics, 2014, 2014, 1.	1.6	9
125	Measurement of the Z+b-jet cross-section in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. Journal of High Energy Physics, 2015, 2015, 1.	1.6	9
126	Model-independent measurement of the CKM angle $\beta^3$ using $B^0 \rightarrow \bar{D} K^* K^0$ decays with $D^0 \rightarrow \bar{K}^* K^0$ and $K_S^0 \rightarrow \pi^+ \pi^-$ . Journal of High Energy Physics, 2016, 2016, 1.	1.6	9



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127	Search for long-lived particles decaying to $e^{\pm} \mu^{\pm}$ . European Physical Journal C, 2021, 81, 1.	1.4	9
128	Status of the HERA-B vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2000, 447, 61-68.	0.7	8
129	Observation of the $B_s^0 \rightarrow \bar{D}^+ K^0$ decay. Journal of High Energy Physics, 2014, 2014, 1.	1.6	8
130	Observation of the $B_s^0 \rightarrow \bar{D}^+ K^0$ decay. Journal of High Energy Physics, 2016, 2016, 1.	1.6	8
131	Beam profile imaging target. Nuclear Physics A, 2002, 701, 204-208.	0.6	7
132	Search for the flavor-changing neutral current decay $B \rightarrow K^* \ell^+ \ell^-$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 13-21.	1.5	7
133	Measurement of the $\bar{D}^0$ production cross section in 920 GeV fixed-target proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2006, 638, 13-21.	1.5	7
134	Metal and hybrid TimePix detectors imaging beams of particles. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2011, 650, 194-197.	0.7	7
135	Limits on neutral Higgs boson production in the forward region in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
136	Searches for $B_{(s)}^0 \rightarrow \ell^+ \ell^- \psi$ and $B^+ \rightarrow \ell^+ \psi$ decays. Journal of High Energy Physics, 2013, 2013, 1.	1.6	7
137	First observation and measurement of the branching fraction for the decay $B_s^0 \rightarrow D^+ K^-$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	7
138	Metal micro-detector TimePix imaging synchrotron radiation beams at the ESRF Bio-Medical Beamline ID17. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 682, 8-11.	0.7	6
139	Measurement of CP observables in $B^0 \rightarrow D^+ K^-$ with $D^+ \rightarrow K^+ K^-$ . Journal of High Energy Physics, 2013, 2013, 16	1.6	6
140	Determination of the branching fractions of $B^0 \rightarrow D^+ K^-$ and $B^0 \rightarrow D^+ K^0$ . Journal of High Energy Physics, 2015, 2015, 1.	1.6	6
141	Study of the $f_7/2$ strength in $^{69}\text{Ca}$ from the $^{70}\text{Ge}(d,^3\text{He})^{69}\text{Ga}$ reaction. Journal of Physics G: Nuclear and Particle Physics, 1992, 18, 525-538.	1.4	5
142	First observation of the decay $B_s^0 \rightarrow K^0 K^0$ at LHCb. Journal of High Energy Physics, 2016, 2016, 1.	1.6	5
143	Metal foil detectors and their applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 566-569.	0.7	4
144	Cluster shapes and cluster sizes in the HERA-B silicon vertex detector. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 469, 147-158.	0.7	3

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145	Radiation hardness of the HERA-B double-sided silicon strip detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 485, 116-120.	0.7	3
146	Bottom production cross section from double muonic decays of b-flavoured hadrons in 920 GeV proton-nucleus collisions. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2007, 650, 103-110.	1.5	3
147	Luminosity determination at HERA-B. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2007, 582, 401-412.	0.7	3
148	V0 production in p+A collisions at $\sqrt{s}=41.6$ GeV. European Physical Journal C, 2009, 61, 207-221.	1.4	3
149	LHCb Silicon Tracker DAQ and ECS Online Systems. IEEE Transactions on Nuclear Science, 2010, 57, 569-576.	1.2	3
150	Measurement of the ratio of branching fractions and difference in CP asymmetries of the decays $B \rightarrow \pi^0 \pi^0$ and $B \rightarrow \pi^0 \pi^+ \pi^-$ . Journal of High Energy Physics, 2017, 2017, 1.	1.6	3
151	Superthin internal targets for storage rings of radioactive ions. Nuclear Instruments & Methods in Physics Research B, 1992, 70, 570-573.	0.6	2
152	Characterization of equipment for shaping and imaging hadron minibeam. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2017, 872, 119-125.	0.7	2
153	Search for the rare decay $B \rightarrow \pi^0 \pi^+ \pi^-$ . Chinese Physics C, 2021, 45, 043001.	1.5	2
154	Observation of double charm production involving open charm in pp collisions at $\sqrt{s} = 7$ TeV. , 2012, 2012, 1.		2
155	First measurement of the CP-violating phase in $B^0 \rightarrow \pi^0 \psi(3700)$ . Physical Review Letters, 2014, 112, 011801.	1.4	2
156	Search for massive long-lived particles decaying semileptonically at $\sqrt{s}=13$ TeV. European Physical Journal C, 2022, 82, .	1.4	2
157	Laser diagnostics system for a super-thin internal target. Hyperfine Interactions, 1992, 74, 314-314.	0.2	1
158	The HERA-B vertex detector. IEEE Transactions on Nuclear Science, 2000, 47, 1775-1780.	1.2	1
159	The LHCb silicon tracker. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2005, 546, 76-80.	0.7	1
160	Metal Micro-detectors for Radiation therapy instrumentation. , 2011, , .		1
161	Shaping and monitoring of the mini-beam structures for the spatially fractionated hadron radiation therapy. Nuclear Physics and Atomic Energy, 2016, 17, 92-97.	0.2	1
162	Metal foil detectors and their applications. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2004, 535, 566-569.	0.7	1

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163	An identification method of positron production in laser beam interaction with targets. <i>Hyperfine Interactions</i> , 1992, 74, 133-138.	0.2	0
164	LHCb Silicon Tracker Performance Studies. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 2440-2445.	1.2	0
165	The LHCb Silicon Tracker Project. <i>Nuclear Physics, Section B, Proceedings Supplements</i> , 2006, 150, 114-117.	0.5	0
166	LHCb Silicon Tracker DAQ and DCS online systems. , 2009, , .		0
167	First experience and results with the LHCb Silicon Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 617, 538-540.	0.7	0
168	First operational experience from the LHCb Silicon Tracker. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 636, S182-S184.	0.7	0
169	Performance of the LHCb Silicon Tracker in p - p collisions at the LHC. , 2011, , .		0
170	Position-sensitive coincidence detection of nuclear reaction products with configurable array of Timepix detectors. , 2014, , .		0
171	Radiation tolerance studies of silicon microstrip sensors for the CBM Silicon Tracking System. <i>Journal of Physics: Conference Series</i> , 2016, 668, 012117.	0.3	0
172	EXPERIMENT AND RADIATION SAFETY AT COLLIDERS. , 2006, , 275-286.		0
173	Colliding and Fixed Target Mode in a Single Experimentâ€”A Novel Approach to Study the Matter under New Extreme Conditions. <i>Particles</i> , 2022, 5, 245-264.	0.5	0