

Adriano Lai

List of Publications by Year in descending order

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Version: 2024-02-01

323
papers

10,276
citations

41344

49
h-index

49909

87
g-index

335
all docs

335
docs citations

335
times ranked

8308
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Differential branching fraction and angular analysis of the decay $B_s^0 \rightarrow \bar{D}^+ \bar{D}^+ + \bar{D}^+ \bar{D}^+$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 103 |
| 20 | A triple GEM detector with pad readout for high rate charged particle triggering. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2002, 488, 493-502. | 1.6 | 101 |
| 21 | Measurements of prompt charm production cross-sections in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 100 |
| 22 | 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. | 4.7 | 89 |
| 23 | Measurement of $\bar{\psi}(2S)$ meson production in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2012, 72, 2100. | 3.9 | 83 |
| 24 | Study of D J meson decays to $D^+ \bar{K}^0$, $D^0 \bar{K}^+$ and $D^+ \bar{K}^+$ final states in pp collisions. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 82 |
| 25 | Measurements of the S-wave fraction in $B^0 \rightarrow K^+ \bar{K}^0 + \bar{K}^0 \bar{K}^+$ decays and the $B^0 \rightarrow K^+ \bar{K}^0(892) \bar{K}^0 + \bar{K}^0 \bar{K}^+$ differential branching. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 75 |
| 26 | Study of J/ψ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 74 |
| 27 | Measurement of the $\eta_c(1S)$ production cross-section in proton-proton collisions via | | |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 37 | The hadronic mass spectrum in quenched lattice QCD: $\hat{\alpha}^2=5.7$. Nuclear Physics B, 1989, 317, 509-525. | 2.5 | 55 |
| 38 | THE APE-100 COMPUTER: (I) THE ARCHITECTURE. International Journal of High Speed Computing, 1993, 05, 637-656. | 0.2 | 54 |
| 39 | Study of the $D^0 \rightarrow p$ amplitude in $\hat{b} \rightarrow b^0 \hat{c} \hat{c}^* \hat{d}^0 \hat{p} \hat{c} \hat{c}^*$ decays. Journal of High Energy Physics, 2017, 2017, 14.7 | | 54 |
| 40 | Search for massive long-lived particles decaying semileptonically in the LHCb detector. European Physical Journal C, 2017, 77, 224. | 3.9 | 54 |
| 41 | Measurement of the cross-section for $Z \hat{\nu}^* e^+e^-$ production in pp collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 53 |
| 42 | Measurement of $\psi(2S)$ $\hat{\nu}^* (2S)$ polarisation in pp collisions at $\sqrt{s}=7$ TeV. European Physical Journal C, 2014, 74, 2872. | 3.9 | 53 |
| 43 | Measurement of CP asymmetry in $D^0 \hat{\nu}^* K^+ K^-$ and $D^0 \hat{\nu}^* \bar{K}^+ \bar{K}^-$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 52 |
| 44 | Measurement of the exclusive $\hat{\nu}^*$ production cross-section in pp collisions at $s = 7$ TeV and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 52 |
| 45 | 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. | 3.9 | 51 |
| 46 | Measurement of hadron fractions in 13.6 TeV pp collisions. Physical Review D, 2019, 100, . | 4.7 | 51 |
| 47 | Measurement of B meson production cross-sections in proton-proton collisions at $\sqrt{s}=7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 50 |
| 48 | Search for the doubly charmed baryon Ξ_{cc}^+ . Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 50 |
| 49 | Precise measurement of the decay $K_L \rightarrow \pi^0 \pi^0 \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 536, 229-240. | 4.1 | 49 |
| 50 | Measurement of the branching ratio of the decay and extraction of the CKM parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 602, 41-51. | 4.1 | 49 |
| 51 | Observation of New Resonances in the $B^+ \rightarrow K^+ \mu^+ \mu^-$ decay. Search for the Lepton Flavor-Violating Decays $B^+ \rightarrow K^+ \mu^+ \mu^-$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2017, 781, 49. | 7.8 | 49 |
| 52 | Measurement of the branching ratio of the decay and extraction of the CKM parameter. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2004, 602, 41-51. | 4.1 | 48 |
| 53 | The ratio of proton electromagnetic form factors via recoil polarimetry at. Nuclear Physics A, 2006, 764, 261-273. | 1.5 | 47 |
| 54 | Study of prompt D^0 meson production in pPb collisions at $\sqrt{s_{NN}}=5.76$ TeV. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 45 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 55 | Search for long-lived particles decaying to jet pairs. European Physical Journal C, 2015, 75, 152. | 3.9 | 44 |
| 56 | First Observation of Excited B_c^+ States. Physical Review Letters, 2020, 124, 082002. | 7.8 | 44 |
| 57 | Amplitude analysis of the $B_c^+ \rightarrow \bar{c} \ell^+ \nu_\ell$ decay. Physical Review D, 2020, 101, . | 4.7 | 42 |
| 58 | Charged excitons, Auger recombination and optical gain in CdSe/CdS nanocrystals. Nanotechnology, 2012, 23, 015201. | 2.6 | 41 |
| 59 | First observation of the decay $B_c^+ \rightarrow \ell^+ \bar{\nu}_\ell \gamma$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 41 |
| 60 | Updated search for long-lived particles decaying to jet pairs. European Physical Journal C, 2017, 77, 812. | 3.9 | 41 |
| 61 | Study of the kinematic dependences of $\bar{b} b$ production in pp collisions and a measurement of the $\bar{b} b \rightarrow \bar{c} c$ branching fraction. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 39 |
| 62 | Search for beautiful tetraquarks in the $\bar{b} b$ invariant-mass spectrum. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 39 |
| 63 | decay to in annihilation at rest. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1995, 361, 187-198. | 4.1 | 38 |
| 64 | Amplitude Analysis of $B_c^+ \rightarrow \bar{c} \ell^+ \nu_\ell$ Decays. Physical Review Letters, 2019, 123, 231802. | 7.8 | 38 |
| 65 | Measurement of the forward-backward asymmetry in $Z \rightarrow \bar{c} c$ decays and determination of the effective weak mixing angle. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 37 |
| 66 | Production of associated Y 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. | 4.7 | 37 |
| 67 | First observation of the decay $B_c^+ \rightarrow \bar{c} \ell^+ \nu_\ell$. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 36 |
| 68 | Measurement of the relative rate of prompt $\bar{c} c$, $\bar{c} c$ and $\bar{c} c$ production at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 36 |
| 69 | $B_c^+ \rightarrow \bar{c} \ell^+ \nu_\ell$ decay. Journal of High Energy Physics, 2012, 2012, 1. | 4.1 | 35 |
| 70 | Observation of the $\bar{b} b \rightarrow \bar{c} c$ decay. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 35 |
| 71 | Search for the doubly charmed baryon Ξ_{cc}^+ . Science China: Physics, Mechanics and Astronomy, 2020, 63, 1. | 5.1 | 35 |
| 72 | 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. | 4.7 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 73 | Measurement of the J/ψ pair production cross-section in pp collisions at $\sqrt{s} = 13$ TeV. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 34 |
| 74 | Angular moments of the decay $B^0 \rightarrow \pi^+ \pi^- \pi^+ \pi^-$ at low hadronic recoil. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 34 |
| 75 | Intrinsic time resolution of 3D-trench silicon pixels for charged particle detection. Journal of Instrumentation, 2020, 15, P09029-P09029. | 1.2 | 34 |
| 76 | Measurement of $\langle \text{mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/y$ | 4.1 | 33 |
| 77 | Study of Υ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{NN}} = 5$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 33 |
| 78 | Measurement of forward $Z \rightarrow e^+ e^-$ production at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 33 |
| 79 | Precision measurement of the χ_{cc}^{++} mass. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 33 |
| 80 | Search for the lepton flavour violating decay $\tilde{l}, \tilde{\nu} \rightarrow \tilde{l} + \tilde{\nu} + \tilde{l} + \tilde{\nu}$. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 32 |
| 81 | Violation in $C \rightarrow P$ Violation in $B \rightarrow C$ Physical Review Letters, 2020, 124, 031801. | 7.8 | 32 |
| 82 | The deconfining phase transition in lattice gauge SU(3). Nuclear Physics B, 1989, 318, 553-578. | 2.5 | 31 |
| 83 | Test of lepton universality with $\Lambda_b^0 \rightarrow p \ell^+ \ell^-$ decays. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 31 |
| 84 | Measurement of charged particle multiplicities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2012, 72, 1. | 3.9 | 30 |
| 85 | Measurement of J/ψ production in pp collisions at $\sqrt{s} = 2.76$ TeV. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 30 |
| 86 | Measurement of charged particle multiplicities and densities in pp collisions at $\sqrt{s} = 7$ TeV in the forward region. European Physical Journal C, 2014, 74, 2888. | 3.9 | 30 |
| 87 | Forward production of Υ mesons in pp collisions at $\sqrt{s} = 7$ and 8 TeV. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 30 |
| 88 | Angular analysis of the $B^0 \rightarrow K^* e^+ e^-$ decay in the low- q^2 region. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 30 |
| 89 | Measurement of relative branching fractions of B decays to $\Upsilon(2S)$ and J/ψ mesons. European Physical Journal C, 2012, 72, 2118. | 3.9 | 29 |
| 90 | Measurement of the CKM angle $\hat{\beta}^3$ from a combination of LHCb results. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 29 |

| # | ARTICLE | IF | CITATIONS |
|-----|--|-----|-----------|
| 91 | Near-threshold $\overline{D} D$ spectroscopy and observation of a new charmonium state. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 29 |
| 92 | Gallium arsenide photodetectors for imaging in the far ultraviolet region. Applied Physics Letters, 2002, 81, 1506-1508. | 3.3 | 28 |
| 93 | Measurement of the $B^0 \rightarrow K^+ K^- e^+ e^-$ branching fraction at low dilepton mass. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 28 |
| 94 | First measurement of time-dependent CP violation in $B_{s^0} \rightarrow K^+ K^-$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 28 |
| 95 | Studies of the resonance structure in $D^0 \rightarrow K^+ \pi^- \pi^+ \pi^-$ decays. European Physical Journal C, 2018, 78, 443. | 3.9 | 28 |
| 96 | Measurement of $B^0 \rightarrow K^+ K^- e^+ e^-$ decays. European Physical Journal C, 2018, 78, 443. | 4.7 | 28 |
| 97 | Precision resonance energy scans with the PANDA experiment at FAIR. European Physical Journal A, 2019, 55, 1. | 2.5 | 27 |
| 98 | Measurement of prompt hadron production ratios in pp collisions at $\sqrt{s} = 0.9$ and 7 TeV. European Physical Journal C, 2012, 72, 1. | 3.9 | 26 |
| 99 | Measurement of mixing and CP violation parameters in two-body charm decays. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 26 |
| 100 | Angular analysis of charged and neutral $B \rightarrow K^{1/2} + \bar{1}/2 \bar{a}^0$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 26 |
| 101 | Search for Higgs-like bosons decaying into long-lived exotic particles. European Physical Journal C, 2016, 76, 664. | 3.9 | 26 |
| 102 | A search for axial vectors in annihilations at rest in gaseous hydrogen at NTP. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1997, 400, 226-238. | 4.1 | 25 |
| 103 | New measurements of the $\hat{1}$ - and K^0 masses. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2002, 533, 196-206. | 4.1 | 25 |
| 104 | Measurement of the forward energy flow in pp collisions at $\sqrt{s} = 7$ TeV. European Physical Journal C, 2013, 73, 2421. | 3.9 | 25 |
| 105 | Observation of the decay $B_c^+ \rightarrow J/\psi K + K^+ \bar{1}^0$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 25 |
| 106 | Study of forward Z + jet production in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 25 |
| 107 | Searches for Λ_b^0 and Ξ_b^0 decays to $K_{\text{S}}^0 \pi^+$ and $K_{\text{S}}^0 \pi^0$ 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. | 4.7 | 25 |
| 108 | Measurements of the branching fractions of $B^+ \rightarrow p \bar{K}^0$ decays. European Physical Journal C, 2013, 73, 2462. | 3.9 | 24 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Measurement of the forward W boson cross-section in pp collisions at $s = 7 \sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 24 |
| 110 | Observation of Z production in proton-lead collisions at LHCb. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 24 |
| 111 | Observations of $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ and $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell} + K$ decays and searches for other $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ decays to final states. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 24 |
| 112 | Observation of a new baryon state in the $\Lambda_{\text{b}}^0 \rightarrow \pi^+ \pi^-$ mass spectrum. Journal of High Energy Physics, 2020, 2020, 1. | 4.7 | 24 |
| 113 | High-Resolution Synthesizable Digitally-Controlled Delay Lines. IEEE Transactions on Nuclear Science, 2015, 62, 3163-3171. | 2.0 | 23 |
| 114 | Measurement of the forward Z boson production cross-section in pp collisions at $s = 13 \sqrt{s} = 13 \text{ TeV}$. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 23 |
| 115 | Measurement of the B_{d}^{\pm} production cross-section in pp collisions at $\sqrt{s} = 7 \text{ TeV}$. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 22 |
| 116 | 3D trenched-electrode sensors for charged particle tracking and timing. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2019, 927, 24-30. | 1.6 | 22 |
| 117 | The DIALOG chip in the front-end electronics of the LHCb muon detector. IEEE Transactions on Nuclear Science, 2005, 52, 2726-2732. | 2.0 | 21 |
| 118 | Search for CP violation using T-odd correlations in $D \rightarrow \bar{c} K + \bar{c} \ell^+ \nu_{\ell}$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 21 |
| 119 | Precise measurements of the properties of the $B(5721)^0$ and $B(5747)^0$ states and observation of $B_{\text{d}}^{\pm} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ mass structures. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 21 |
| 120 | A precise measurement of the $B^0 \rightarrow B^0$ meson oscillation frequency. European Physical Journal C, 2016, 76, 412. | 3.9 | 21 |
| 121 | Search for the lepton-flavour violating decays $B \rightarrow \bar{c} \ell^+ \nu_{\ell} \ell'^- \nu_{\ell'}$. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 21 |
| 122 | Precise measurements of the $K \rightarrow \pi \pi$ and $K_L \rightarrow \pi \pi$ decay rates. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2003, 551, 7-15. | 4.1 | 20 |
| 123 | Measurement of the $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ (3P) mass and of the relative rate of $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ (1P) and $\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell}$ (2P) production. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 20 |
| 124 | The active muon shield in the SHiP experiment. Journal of Instrumentation, 2017, 12, P05011-P05011. | 1.2 | 20 |
| 125 | Evidence for the decay $B_{\text{d}}^0 \rightarrow \bar{c} \ell^+ \nu_{\ell} \ell'^- \nu_{\ell'}$. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 20 |
| 126 | Precision measurement of the $\langle \mathcal{A}_{\text{FB}}^{\ell} \rangle$. $\langle \mathcal{A}_{\text{FB}}^{\ell} \rangle = \frac{\sigma(\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell} \ell'^- \nu_{\ell'})}{\sigma(\bar{b} \rightarrow \bar{c} \ell^+ \nu_{\ell})} \langle \mathcal{A}_{\text{FB}}^{\ell} \rangle$ | 4.7 | 20 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 127 | Updated measurement of time-dependent CP -violating observables in $B^0 \rightarrow \psi K^+ K^-$ decays. European Physical Journal C, 2019, 79, 1. | 3.9 | 20 |
| 128 | Far UV responsivity of commercial silicon photodetectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 466, 115-118. | 1.6 | 19 |
| 129 | of the ratio $\frac{\Gamma(B^0 \rightarrow \psi K^+ K^-)}{\Gamma(B^0 \rightarrow \psi K^+ K^0)}$. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2001, 466, 115-118. | 4.1 | 19 |
| 130 | Resonances and CP violation in B^0 and $B^0 \rightarrow \psi K^+ K^-$ decays in the mass region above the $\bar{K}^*(1020)$. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 19 |
| 131 | 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. | 4.7 | 18 |
| 132 | Measurement of the fraction of $\Lambda(1520)$ originating from $\Lambda_b(1P)$ decays in pp collisions at $\sqrt{s} = 7$ TeV. Journal of High Energy Physics, 2012, 2012, 1. | 4.7 | 18 |
| 133 | Measurement of forward $W^+ e^{1/2}$ production in pp collisions at $\sqrt{s} = 8$ TeV. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 18 |
| 134 | Search for Lepton-Flavor Violating Decays $B \rightarrow \mu^+ K^+ \mu^- e^+$. Physical Review Letters, 2019, 123, 241802. | 7.8 | 18 |
| 135 | Performances of the OBELIX time of flight system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1995, 356, 270-279. | 1.6 | 17 |
| 136 | Measurement of the $\Lambda(1440) \rightarrow K^+ K^0 \pi^-$ production rates from annihilation at rest at three different hydrogen target densities. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1996, 385, 493-499. | 4.1 | 17 |
| 137 | DIALOG and SYNC: a VLSI chip set for timing of the LHCb muon detector. IEEE Transactions on Nuclear Science, 2004, 51, 1961-1967. | 2.0 | 17 |
| 138 | Search for the decay $B^0 \rightarrow \bar{D}^0 \pi^0(980)$. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 17 |
| 139 | Observation of $\Lambda_b(5620) \rightarrow \Lambda^0 p K^+$ and $\Lambda_b(5620) \rightarrow \bar{\Lambda}^0 \bar{p} K^+$ decays and a measurement of the $\Lambda_b(5620)$ baryon. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 17 |
| 140 | Study of charmonium production in b -hadron decays and first evidence for the decay $B^0 \rightarrow \psi K^+ K^-$. European Physical Journal C, 2017, 77, 609. | 3.9 | 17 |
| 141 | Improved limit on the branching fraction of the rare decay $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$. European Physical Journal C, 2017, 77, 678. | 3.9 | 17 |
| 142 | Measurement of the $\eta_c(1S)$ production cross-section in pp collisions at $\sqrt{s} = 13.6$ TeV. European Physical Journal C, 2020, 80, 1. | 3.9 | 17 |
| 143 | Evidence for the decay $B^0 \rightarrow \mu^+ \mu^- K^+ K^-$. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 16 |
| 144 | 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. | 4.7 | 16 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 145 | Study of $\tilde{\chi}^0$ production in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=8.16$ TeV. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 16 |
| 146 | Search for the Rare Decays $B \rightarrow \mu^+ \mu^- e^+ e^-$. Physical Review Letters, 2020, 124, 211802. | 4.7 | 16 |
| 147 | Measurement of $\tilde{\chi}^0$ production in pp collisions at $\sqrt{s}=7$ TeV. Chinese Physics C, 2020, 44, 022001. | 3.7 | 16 |
| 148 | Search for CP violation in $B \rightarrow \mu^+ \mu^- e^+ e^-$ decays. Journal of High Energy Physics, 2015, 2015, 1. | 4.1 | 15 |
| 149 | Measurement of CP violation parameters and polarisation fractions in $B \rightarrow \mu^+ \mu^- e^+ e^-$ decays. Journal of High Energy Physics, 2015, 2015, 1. | 4.7 | 15 |
| 150 | Differential branching fraction and angular moments analysis of the decay $B \rightarrow \mu^+ \mu^- e^+ e^-$ in the $K_{0,2}^*$ region. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 15 |
| 151 | Observation of the suppressed decay $B \rightarrow \mu^+ \mu^- e^+ e^-$. Journal of High Energy Physics, 2017, 2017, 1. | 4.7 | 15 |
| 152 | Search for excited B_c^+ states. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 15 |
| 153 | Variation with Proton-Proton Collision Energy and $B \rightarrow \mu^+ \mu^- e^+ e^-$ decays. Physical Review Letters, 2020, 124, 122002. | 7.8 | 15 |
| 154 | Search for heavy neutral leptons in $W \rightarrow \mu^+ \mu^- \mu^+ \mu^-$, ext {jet} decays. European Physical Journal C, 2021, 81, 1. | 3.9 | 15 |
| 155 | The deconfining phase transition and the glueball channels in pure gauge QCD. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 220, 607-610. | 4.1 | 14 |
| 156 | A new computation of the correlation length near the deconfining transition in SU(3). Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1989, 224, 333-338. | 4.1 | 14 |
| 157 | Search for CP violation in $D \rightarrow \mu^+ \mu^- e^+ e^-$ and $D_s^+ \rightarrow K_S^0 \mu^+ \mu^- e^+ e^-$ decays. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 14 |
| 158 | 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. | 4.7 | 14 |
| 159 | Measurement of CP asymmetry in $B \rightarrow D^+ K^{\pm}$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 14 |
| 160 | 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. | 4.7 | 14 |
| 161 | Study of $\tilde{\chi}^0(2S)$ production and cold nuclear matter effects in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5$ TeV. Journal of High Energy Physics, 2016, 2016, 1. | 4.7 | 14 |
| 162 | Measurement of the CKM angle $\hat{\beta}_3$ using $B \rightarrow D^+ K^{\pm}$ with $D \rightarrow K^+ K^0$ decays. Journal of High Energy Physics, 2018, 2018, 1. | 4.7 | 14 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 163 | Prompt $b+c$ production in pPb collisions at $\sqrt{s_{\mathrm{NN}}}=5.02$ TeV. Journal of High Energy Physics, 2019, 2019, 1. | 4.7 | 14 |
| 164 | Advances in 3D Sensor Technology by Using Stepper Lithography. Frontiers in Physics, 2021, 8, . | 2.1 | 14 |
| 165 | Search for CP violation in $\chi_{c1} \rightarrow p \bar{K}^0 \pi^+$ decays using model-independent techniques. European Physical Journal C, 2020, 80, 1. | 3.9 | 14 |
| 166 | The design of a system for coloured digital radiology with VLSI circuits and GaAs pixel detectors. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1998, 419, 270-275. | 1.6 | 13 |
| 167 | Measurement of the decay rate and form factor parameter in the decay $K_L \rightarrow e^+ e^- \pi^0$. Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 1999, 458, 553-563. | 4.1 | 13 |
| 168 | An active electron polarized scintillating GSO target for neutrino physics. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 694, 335-340. | 1.6 | 13 |
| 169 | Search for the rare decay $K_S^0 \rightarrow \mu^+ \mu^-$. Journal of High Energy Physics, 2013, 2013, 1. | 4.7 | 13 |
| 170 | Search for CP violation in $D \rightarrow K^+ K^- K^0$ and $D_s \rightarrow K^+ K^- K^0$ decays. Journal of High Energy Physics, 2014, 2014, 1. | 4.7 | 13 |
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