

# Ayan Paul

## List of Publications by Year in descending order

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Version: 2024-02-01

35  
papers

1,706  
citations

394286

19  
h-index

414303

32  
g-index

39  
all docs

39  
docs citations

39  
times ranked

3513  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Lessons on interpretable machine learning from particle physics. Nature Reviews Physics, 2022, 4, 284-286.                                     | 11.9 | 15        |
| 2  | Simple and statistically sound recommendations for analysing physical theories. Reports on Progress in Physics, 2022, 85, 052201.              | 8.1  | 9         |
| 3  | Lessons from the $B \rightarrow K^* \ell^+ \ell^-$ decays. Physical Review D, 2021, 103, .   | 1.6  | 67        |
| 4  | Automated contact tracing: a game of big numbers in the time of COVID-19. Journal of the Royal Society Interface, 2021, 18, 20200954.          | 1.5  | 10        |
| 5  | Resurrecting $\overline{h}$ with kinematic shapes. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6  | 16        |
| 6  | Comments on gauge anomalies at dimension-six in the Standard Model Effective Field Theory. Journal of High Energy Physics, 2021, 2021, 1.      | 1.6  | 6         |
| 7  | Socio-economic disparities and COVID-19 in the USA. Journal of Physics Complexity, 2021, 2, 035017.  | 0.9  | 24        |
| 8  | The anomalous case of axion EFTs and massive chiral gauge fields. Journal of High Energy Physics, 2021, 2021, 1.                               | 1.6  | 14        |
| 9  | Emergence of universality in the transmission dynamics of COVID-19. Scientific Reports, 2021, 11, 18891.                                       | 1.6  | 2         |
| 10 | Beyond COVID-19: network science and sustainable exit strategies. Journal of Physics Complexity, 2021, 2, 021001.                              | 0.9  | 14        |
| 11 | The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .   | 1.8  | 176       |
| 12 | B anomalies under the lens of electroweak precision. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6  | 14        |
| 13 | HEPfit: a code for the combination of indirect and direct constraints on high energy physics models. European Physical Journal C, 2020, 80, 1. | 1.4  | 75        |
| 14 | New Physics in $\vec{b} \rightarrow s \ell^+ \ell^-$ confronts new data on lepton universality. European Physical Journal C, 2019, 79, 1.      | 1.4  | 131       |
| 15 | state interactions and $SU(3)_C \times SU(3)_F$ asymmetries in $B$ decays. Journal of High Energy Physics, 2019, 2019, 1.                      | 1.6  | 30        |
| 16 | The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .   | 1.8  | 384       |
| 17 | On the future of Higgs, electroweak and diboson measurements at lepton colliders. Journal of High Energy Physics, 2019, 2019, 1.               | 1.6  | 43        |
| 18 | Heavy Higgs searches: flavour matters. Journal of High Energy Physics, 2018, 2018, 1.  | 1.6  | 25        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | On hadronic uncertainties polluting the New Physics hunt in $b \rightarrow s$ transitions. Nuclear and Particle Physics Proceedings, 2018, 303-305, 8-13.                          | 0.2 | 2         |
| 20 | Hadronic uncertainties in semileptonic $B \rightarrow K^* \mu^+ \mu^-$ decays. , 2018, , .   |     | 4         |
| 21 | Knowns and Unknowns in the Predictions for $B \rightarrow K^* \mu^+ \mu^-$ . Nuclear and Particle Physics Proceedings, 2017, 285-286, 45-49.                                       | 0.2 | 5         |
| 22 | Constraints on new physics from radiative B decays. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 49        |
| 23 | On flavourful Easter eggs for New Physics hunger and lepton flavour universality violation. European Physical Journal C, 2017, 77, 688.  | 1.4 | 180       |
| 24 | $B \rightarrow K^* \ell^+ \ell^-$ in the Standard Model: Elaborations and Interpretations. , 2017, , .   |     | 3         |
| 25 | Phenomenological and Experimental Developments in Charm Physics: The WG7 Report from CKM 2016. , 2017, , .   |     | 0         |
| 26 | $B \rightarrow K^* \mu^+ \mu^-$ decays at large recoil in the Standard Model: a theoretical reappraisal. Journal of High Energy Physics, 2016, 2016, 1.                            | 1.6 | 122       |
| 27 | Resolving gluon fusion loops at current and future hadron colliders. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 27        |
| 28 | Taming the off-shell Higgs boson. Journal of Experimental and Theoretical Physics, 2015, 120, 354-368.   | 0.2 | 35        |
| 29 | Manifestations of warped extra dimension in rare charm decays and asymmetries. Physical Review D, 2014, 90, .  | 1.6 | 15        |
| 30 | Probing Higgs couplings with high p T Higgs production. Journal of High Energy Physics, 2014, 2014, 1.   | 1.6 | 69        |
| 31 | On CP asymmetries in two-, three- and four-body D decays. Journal of High Energy Physics, 2012, 2012, 1.   | 1.6 | 29        |
| 32 | On the Standard Model and frameworks like the littlest Higgs model with $T$ parity. Physical Review D, 2011, 83, .   | 1.6 | 40        |
| 33 | Conclusions from CDF results on CP violation in $D \rightarrow K^* \mu^+ \mu^-$ , $K \rightarrow K^* \mu^+ \mu^-$ and future tasks. Journal of High Energy Physics, 2011, 2011, 1. | 1.6 | 34        |
| 34 | $D \rightarrow K^* \mu^+ \mu^-$ and $D \rightarrow K^* \mu^+ \mu^-$ rates on an unlikely impact of the littlest Higgs model with $T$ parity. Physical Review D, 2010, 82, .        | 1.6 | 21        |
| 35 | Contact Tracing: A Game of Big Numbers in the Time of COVID-19. SSRN Electronic Journal, 0, , .  | 0.4 | 4         |