

Ayan Paul

List of Publications by Year in descending order

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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	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2019, 2019, .	1.8	384
2	On flavourful Easter eggs for New Physics hunger and lepton flavour universality violation. European Physical Journal C, 2017, 77, 688.	1.4	180
3	The Belle II Physics Book. Progress of Theoretical and Experimental Physics, 2020, 2020, .	1.8	176
4	New Physics in $\vec{b} \rightarrow s \ell \ell^+ \ell^-$ confronts new data on lepton universality. European Physical Journal C, 2019, 79, 1.	1.4	131
5	$B \rightarrow K^* \ell^+ \ell^-$ decays at large recoil in the Standard Model: a theoretical reappraisal. Journal of High Energy Physics, 2016, 2016, 1.	1.6	122
6	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
7	Probing Higgs couplings with high p T Higgs production. Journal of High Energy Physics, 2014, 2014, 1.	1.6	69
8	Lessons from the $B \rightarrow K^* \ell^+ \ell^-$ decays at large recoil in the Standard Model: a theoretical reappraisal. Physical Review D, 2021, 103, .		
9	Constraints on new physics from radiative B decays. Journal of High Energy Physics, 2017, 2017, 1.	1.6	49
10	On the future of Higgs, electroweak and diboson measurements at lepton colliders. Journal of High Energy Physics, 2019, 2019, 1.	1.6	43
11	On the Standard Model and frameworks like the littlest Higgs model with D parity. Physical Review D, 2011, 83, .	1.6	40
12	Taming the off-shell Higgs boson. Journal of Experimental and Theoretical Physics, 2015, 120, 354-368.	0.2	35
13	Conclusions from CDF results on CP violation in $D \rightarrow K^* \ell^+ \ell^-$, $K \rightarrow K^* \ell^+ \ell^-$ and future tasks. Journal of High Energy Physics, 2011, 2011, 1.	1.6	34
14	state interactions and C asymmetries in D decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	30
15	On CP asymmetries in two-, three- and four-body D decays. Journal of High Energy Physics, 2012, 2012, 1.	1.6	29
16	Resolving gluon fusion loops at current and future hadron colliders. Journal of High Energy Physics, 2016, 2016, 1.	1.6	27
17	Heavy Higgs searches: flavour matters. Journal of High Energy Physics, 2018, 2018, 1.	1.6	25
18	Socio-economic disparities and COVID-19 in the USA. Journal of Physics Complexity, 2021, 2, 035017.	0.9	24

#	ARTICLE	IF	CITATIONS
19	$D0 \rightarrow \tau^+ \tau^-$ and $D0 \rightarrow \tau^+ \tau^- + \tau^+ \tau^-$ rates on an unlikely impact of the lightest Higgs model with T-parity. Physical Review D, 2010, 82, .	1.6	21
20	Resurrecting $B \rightarrow h$ with kinematic shapes. Journal of High Energy Physics, 2021, 2021, 1.	1.6	16
21	Manifestations of warped extra dimension in rare charm decays and asymmetries. Physical Review D, 2014, 90, .	1.6	15
22	Lessons on interpretable machine learning from particle physics. Nature Reviews Physics, 2022, 4, 284-286.	11.9	15
23	The anomalous case of axion EFTs and massive chiral gauge fields. Journal of High Energy Physics, 2021, 2021, 1.	1.6	14
24	B anomalies under the lens of electroweak precision. Journal of High Energy Physics, 2020, 2020, 1.	1.6	14
25	Beyond COVID-19: network science and sustainable exit strategies. Journal of Physics Complexity, 2021, 2, 021001.	0.9	14
26	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
27	Simple and statistically sound recommendations for analysing physical theories. Reports on Progress in Physics, 2022, 85, 052201.	8.1	9
28	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
29	Knowns and Unknowns in the Predictions for $B \rightarrow K^* \tau^+ \tau^- + \tau^+ \tau^-$. Nuclear and Particle Physics Proceedings, 2017, 285-286, 45-49.	0.2	5
30	Contact Tracing: A Game of Big Numbers in the Time of COVID-19. SSRN Electronic Journal, 0, , .	0.4	4
31	Hadronic uncertainties in semileptonic $B \rightarrow K^* \mu^+ \mu^-$ decays. , 2018, , .		4
32	$B \rightarrow K^* \ell^+ \ell^-$ in the Standard Model: Elaborations and Interpretations. , 2017, , .		3
33	On hadronic uncertainties polluting the New Physics hunt in $b \rightarrow s \tau^+ \tau^-$ transitions. Nuclear and Particle Physics Proceedings, 2018, 303-305, 8-13.	0.2	2
34	Emergence of universality in the transmission dynamics of COVID-19. Scientific Reports, 2021, 11, 18891.	1.6	2
35	Phenomenological and Experimental Developments in Charm Physics: The WG7 Report from CKM 2016. , 2017, , .		0