

# Jacky Kumar

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1941918/publications.pdf>

Version: 2024-02-01

30  
papers

900  
citations

623188

14  
h-index

500791

28  
g-index

30  
all docs

30  
docs citations

30  
times ranked

3140  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Renormalization group improved implications of semileptonic operators in SMEFT. Journal of High Energy Physics, 2022, 2022, 1.  | 1.6 | 5         |
| 2  | Beyond the standard model effective field theory with $b \rightarrow s \ell \ell$ transitions. Physical Review D, 2022, 105, .  | 1.6 | 10        |
| 3  | Anomalous dimensions from gauge couplings in SMEFT with right-handed neutrinos. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 11        |
| 4  | CP violation in rare lepton-number-violating W decays at the LHC. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 7         |
| 5  | Anomalous dimensions from Yukawa couplings in SMNEFT: four-fermion operators. Journal of High Energy Physics, 2021, 2021, 1.  | 1.6 | 9         |
| 6  | The role of non-universal Z couplings in explaining the V anomaly. Nuclear Physics B, 2021, 971, 115538.  | 0.9 | 6         |
| 7  | General non-leptonic $b \rightarrow c \ell \ell$ WET at the NLO in QCD. Journal of High Energy Physics, 2021, 2021, .   | 1.6 | 10        |
| 8  | BSM master formula for $b \rightarrow s \ell \ell$ in the WET basis at NLO in QCD. Journal of High Energy Physics, 2021, 2021, 1.   | 1.6 | 7         |
| 9  | Resolving the $b \rightarrow s \ell \ell$ anomalies with leptoquarks and a dark Higgs boson.  | 1.6 | 24        |
| 10 | CP violation in same-sign dilepton production at the LHC. Physical Review D, 2020, 102, .   | 1.6 | 0         |
| 11 | Flavour violating effects of Yukawa running in SMEFT. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 7         |
| 12 | Another SMEFT story: $Z \rightarrow \ell \ell$ facing new results on $b \rightarrow s \ell \ell$ and $K \rightarrow \pi \ell \ell$ . Journal of High Energy Physics, 2020, 2020, 1. | 1.6 | 15        |
| 13 | SMEFT atlas of $b \rightarrow c \ell \ell$ transitions. Journal of High Energy Physics, 2020, 2020, 1.  | 1.6 | 11        |
| 14 | A global likelihood for precision constraints and flavour anomalies. European Physical Journal C, 2019, 79, 1.  | 1.4 | 95        |
| 15 | Lepton flavor non-universality in the B-sector: a global analyses of various new physics models. European Physical Journal C, 2019, 79, 1.  | 1.4 | 11        |
| 16 | The B anomalies and new physics in $b \rightarrow s \ell \ell$ . Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics, 2019, 797, 134858.               | 1.5 | 75        |
| 17 | New physics in $b \rightarrow s \ell \ell$ ?. Physical Review D, 2019, 99, .  | 1.6 | 19        |
| 18 | Combined explanations of the $b \rightarrow s \ell \ell$ anomalies with leptoquarks and a dark Higgs boson.   | 1.6 | 79        |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | : a Python package for the running and matching of Wilson coefficients above and below the electroweak scale. European Physical Journal C, 2018, 78, 1.                                | 1.4 | 109       |
| 20 | New physics solutions for RD and $RD^*$ . Journal of High Energy Physics, 2018, 2018, 1.   | 1.6 | 52        |
| 21 | New light mediators for the $R_K$ and $R_{K^*}$ anomalies and $R_{K^*}^*$ puzzles. Physical Review D, 2018, 97, .  | 1.6 | 29        |
| 22 | WCxf: An exchange format for Wilson coefficients beyond the Standard Model. Computer Physics Communications, 2018, 232, 71-83.   | 3.0 | 102       |
| 23 | Diphoton signal of a light pseudoscalar in the NMSSM at the LHC. Physical Review D, 2017, 95, .  | 1.6 | 18        |
| 24 | New physics in $b \rightarrow s$ transitions: Distinguishing models through $b \rightarrow s \tau^+ \tau^-$ decays. Physical Review D, 2017, 95, .                                     | 1.6 | 10        |
| 25 | New physics in $b \rightarrow s$ transitions: Distinguishing models through $b \rightarrow s \tau^+ \tau^-$ decays after the measurement of $R_{K^*}$ . Physical Review D, 2017, 96, . | 1.6 | 10        |
| 26 | signal of NMSSM at the LHC. Pramana - Journal of Physics, 2017, 89, 1.   | 0.9 | 0         |
| 27 | Detection prospects of light pseudoscalar Higgs boson at the LHC. Journal of High Energy Physics, 2017, 2017, 1.   | 1.6 | 4         |
| 28 | Light Higgs bosons in NMSSM at the LHC. International Journal of Modern Physics A, 2016, 31, 1650069.  | 0.5 | 18        |
| 29 | Distinguishing between MSSM and NMSSM through $\tau^+ \tau^- = 2$ processes. Journal of High Energy Physics, 2016, 2016, 1.  | 1.6 | 5         |
| 30 | Higgs Sector of NMSSM in the Light of Higgs Discovery. Springer Proceedings in Physics, 2016, , 619-625.   | 0.1 | 1         |