The authors attempted to generate a new dataset of R factor on TP. This work is useful for water erosion modelling. I recommend a major revision. Please find below my suggestions for the current paper.

1. Abstract: The spatial resolution of the generated gridded annual rainfall erosivity dataset should be added.
2. Introduction: I suggest the authors add more information of the previous studies about the R factor on the TP.
3. Precipitation data: The detail information of the ERA5 data should be included in this section.
4. The accuracy of the ERA5 data should be examined at the weather stations.
5. The procedure of how to reconstruction R factor in 1950-2012 is important. However, no more information could be found in the methodology section. I would suggest the authors to rewrite this section to make this part more clearly.