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Interactive comment on "Development of a revised IHA method for the cumulative impacts of cascade reservoirs on flow regime" *by* Xingyu Zhou et al.

Anonymous Referee #1

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The correlation of indicators has always been the focus of attention when using the IHA method to evaluate the degree of change in hydrological situation. In this script, the evaluation method was improved by using the projection pursuit method based on real-coded accelerated genetic algorithm, which gives different weights to the indicators, reduces the correlation among indicators, and makes the evaluation results more reasonable and scientific. The idea of this study is innovative, and many researchers have used the principal component method to analyze the correlation among indicators. What are the advantages of this method proposed compared with the principal component method?

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Discussion paper