

Figure 1 Location of the study area with the Tangnaihai station

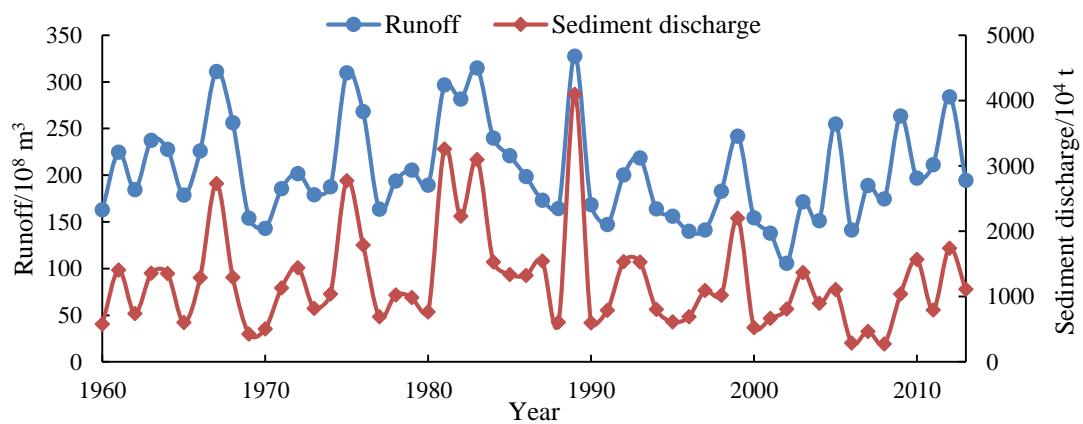
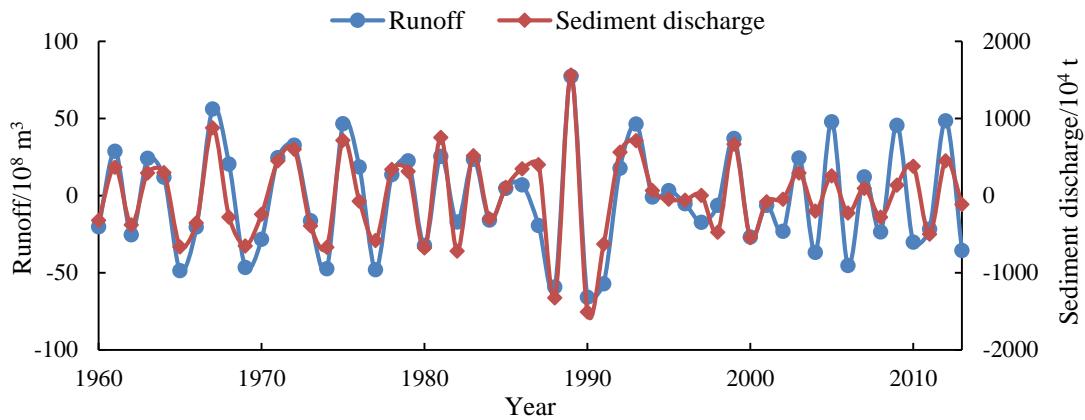
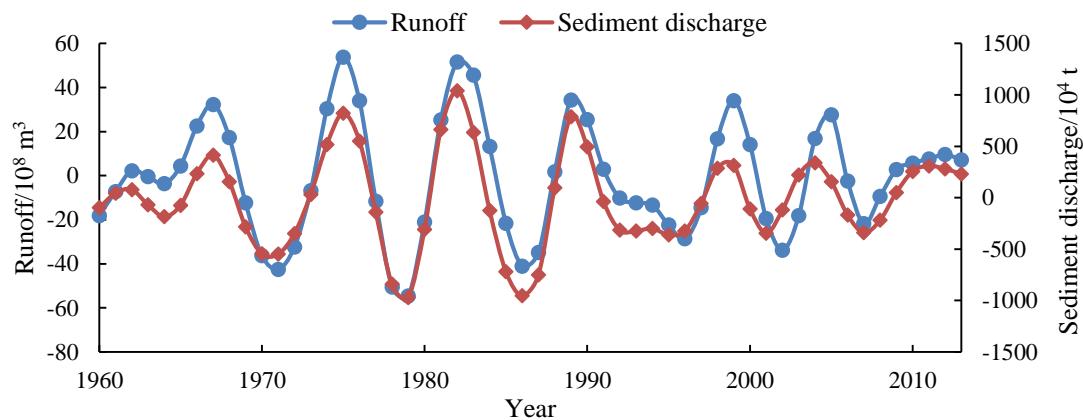


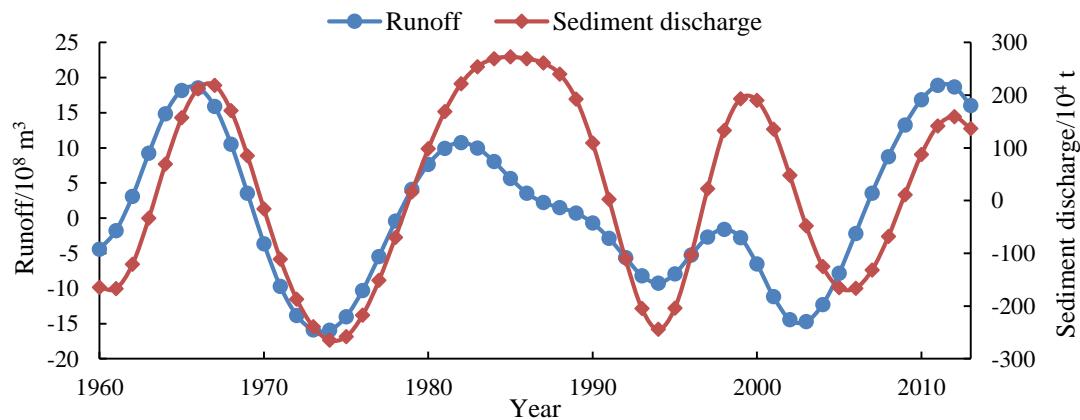
Figure 2 Variation in the runoff and sediment discharge series observed at the Tangnaihai station



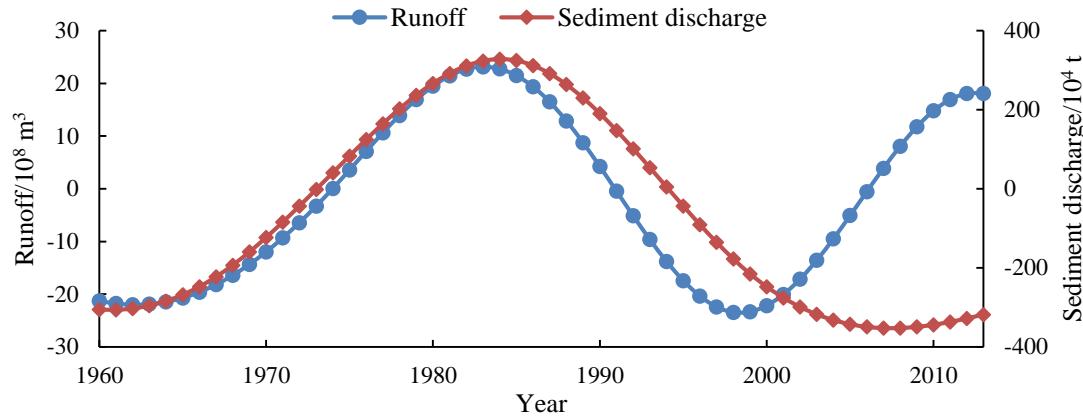
(1) IMF1 component time series



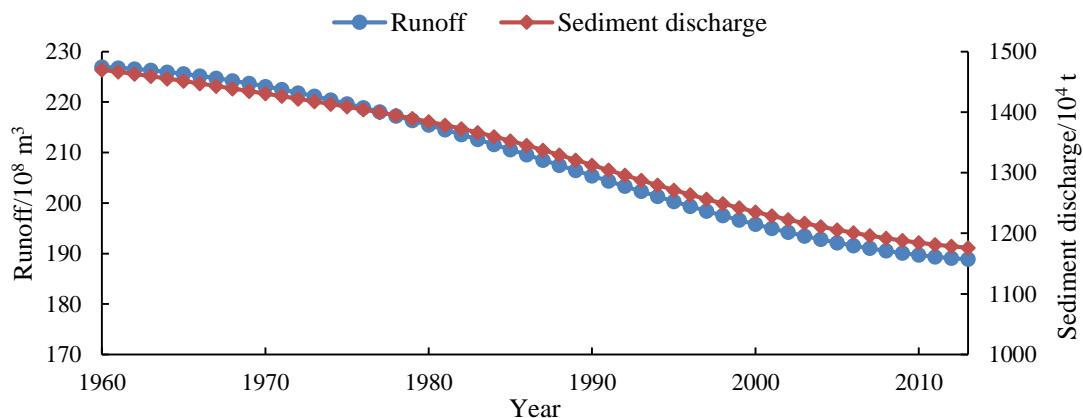
(2) IMF2 component time series



(3) IMF3 component time series



(4) IMF4 component time series



(5) RES component time series

Figure 3 Variations in the runoff and sediment discharge components

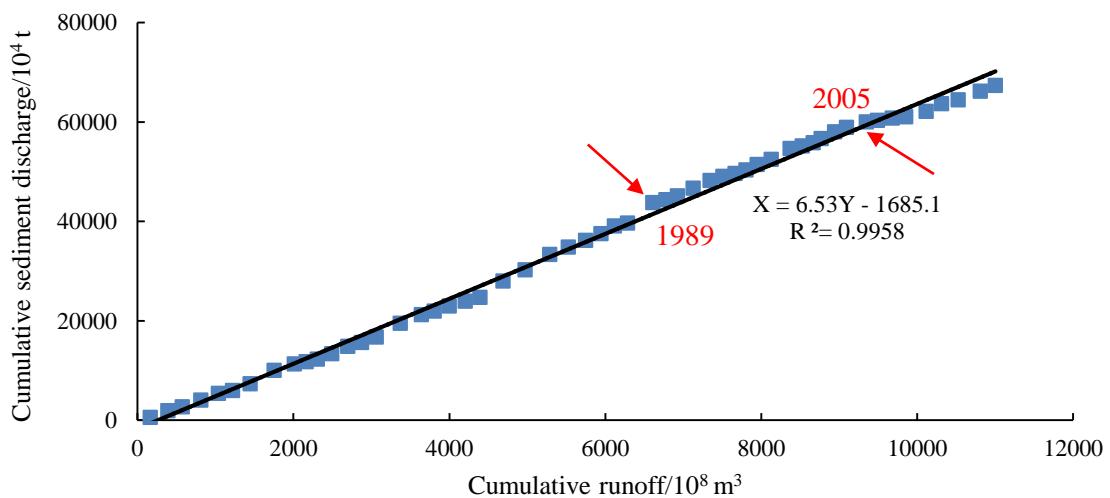
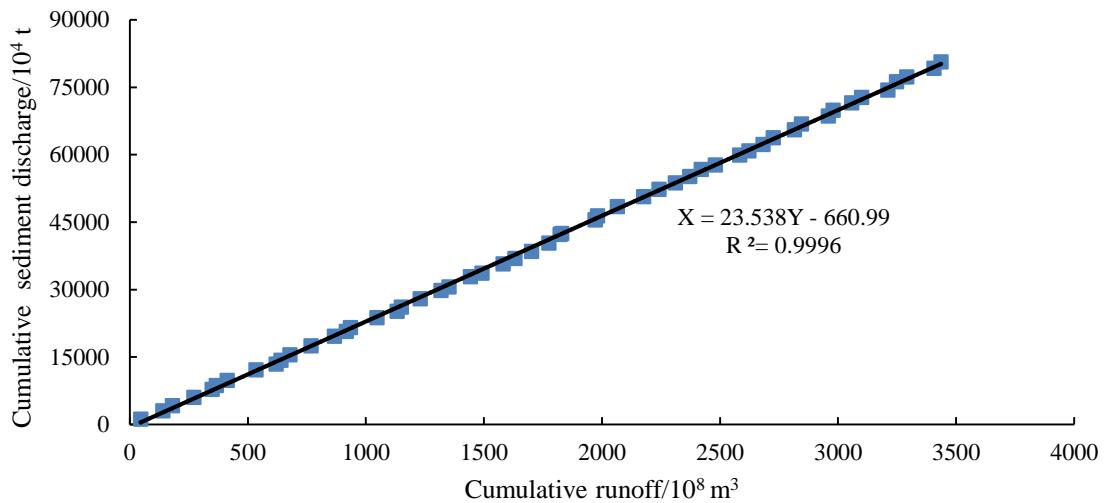
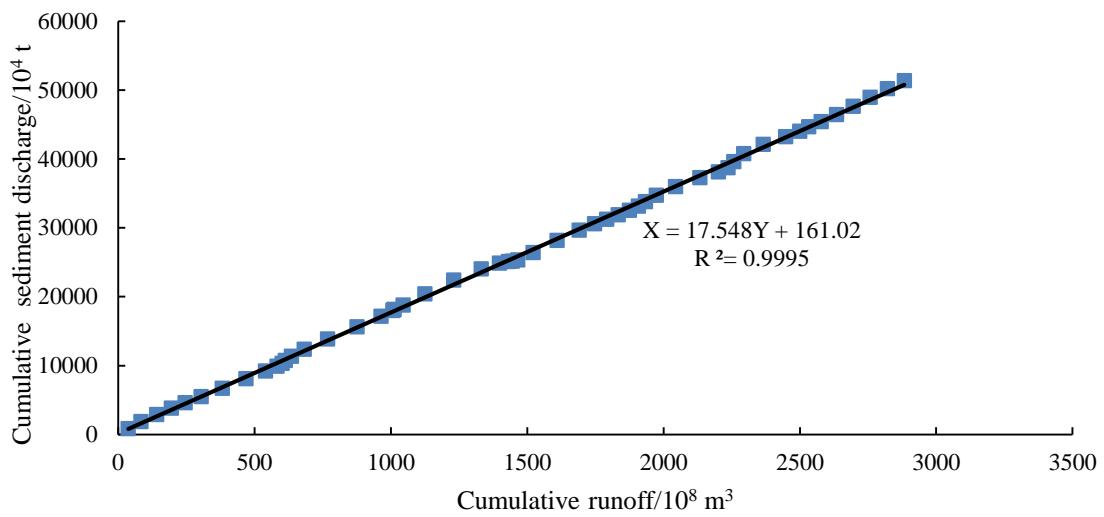


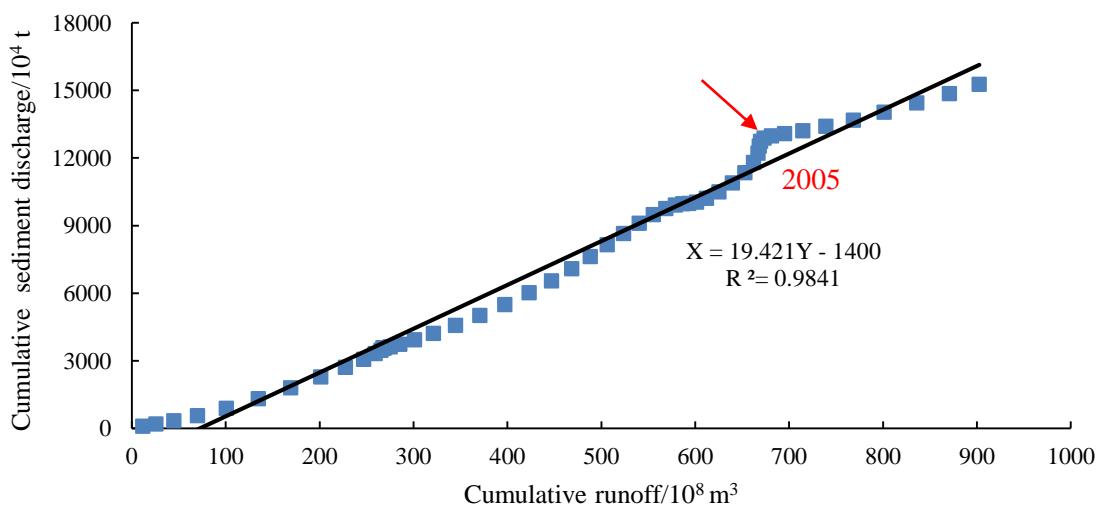
Figure 4 Runoff-sediment discharge double cumulative curve



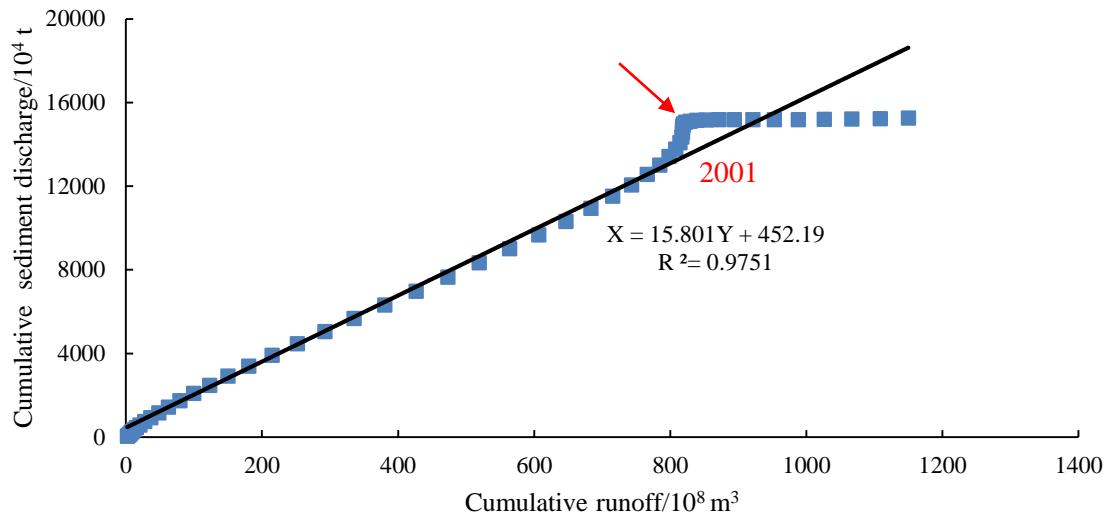
(1) IMF1 component



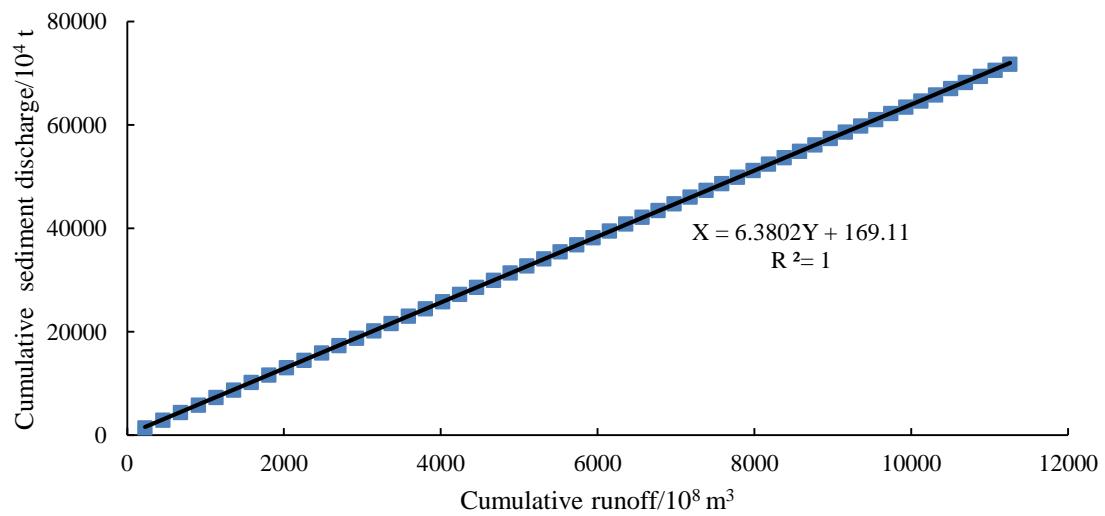
(2) IMF2 component



(3) IMF3 component

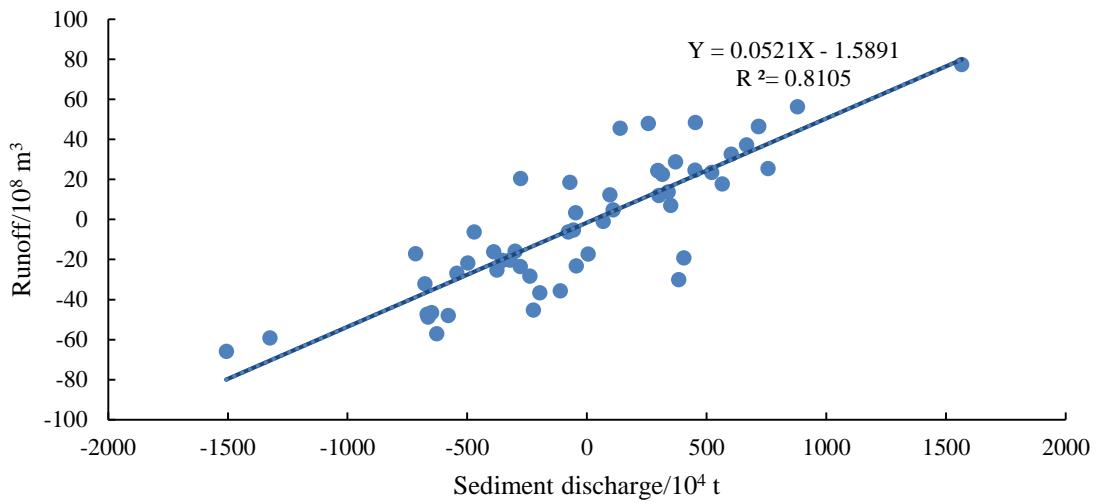


(4) IMF4 component

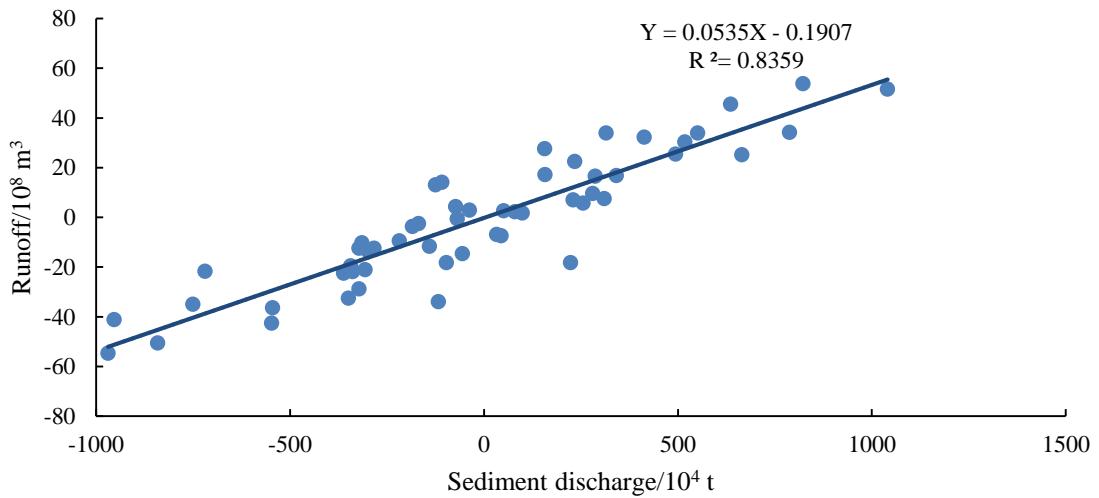


(5) RES component

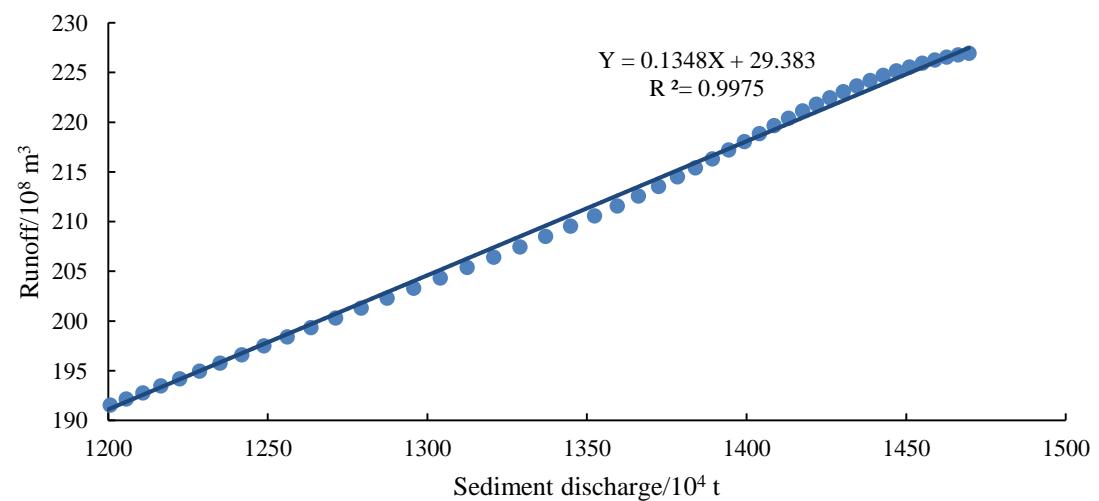
Figure 5 Runoff-sediment discharge double cumulative curves of all components



(1) IMF1 component



(2) IMF2 component



(3) RES component

Figure 6 Runoff-sediment discharge linear regression plots for the IMF1, IMF2, and

RES components

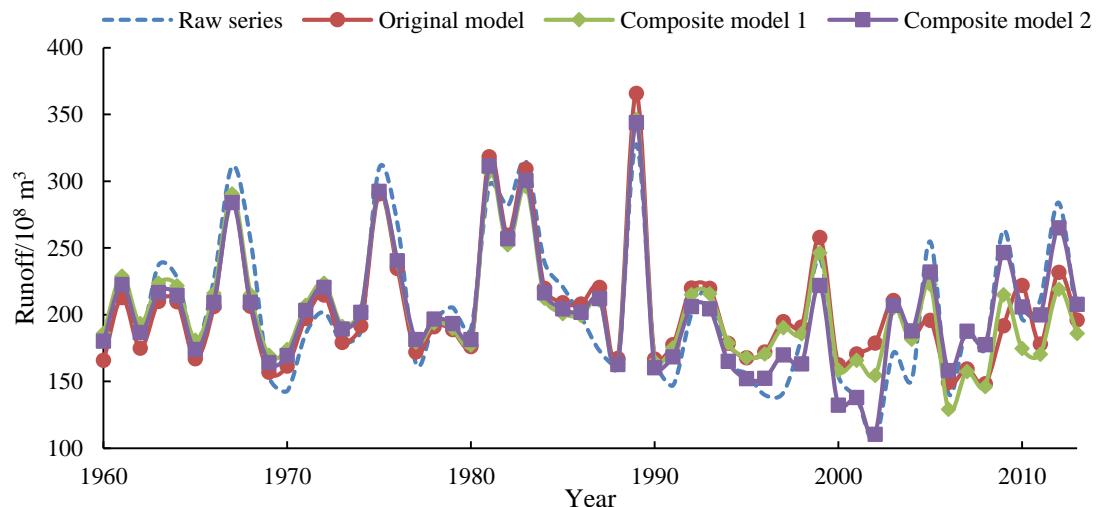


Figure 7 Runoff simulation by different models

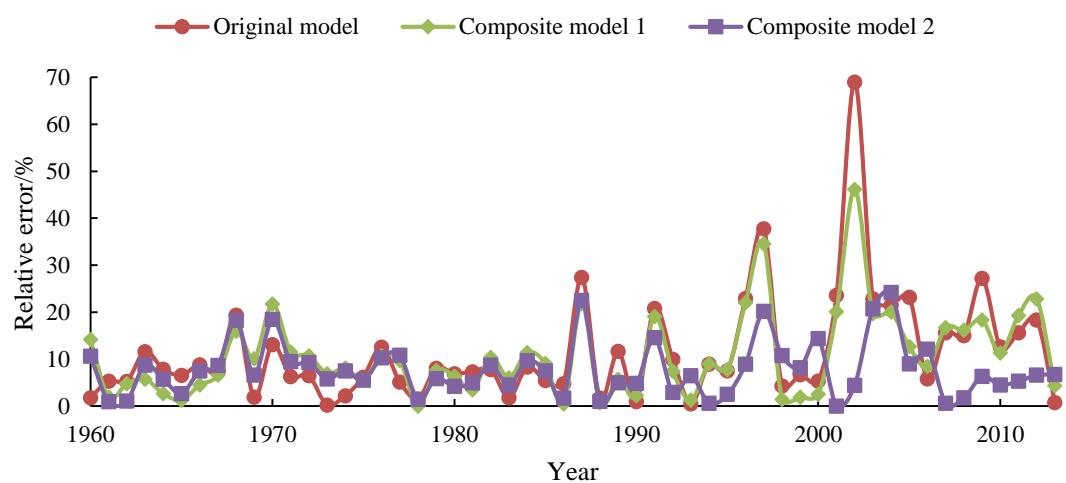


Figure 8 Relative errors of runoff simulation by different models

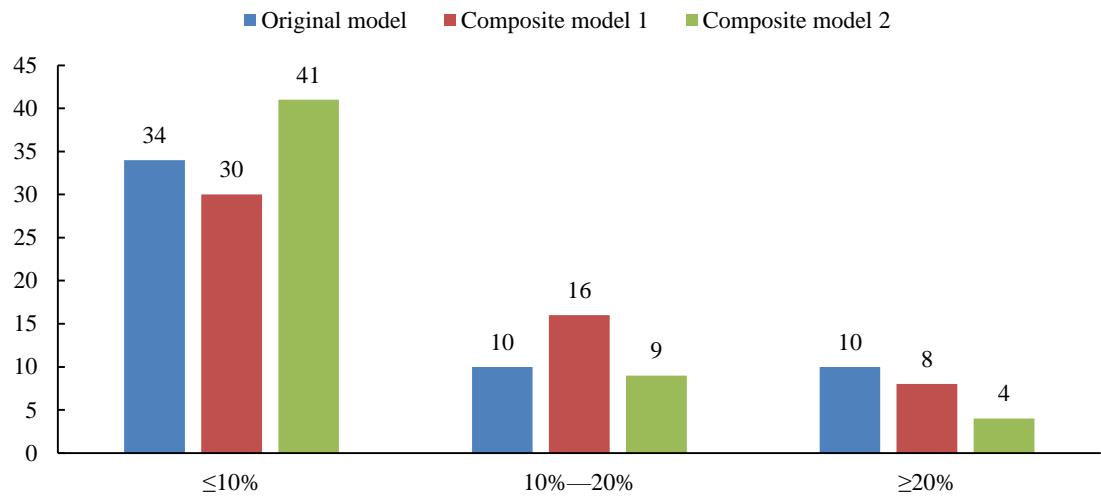


Figure 9 Distribution of relative errors by different models