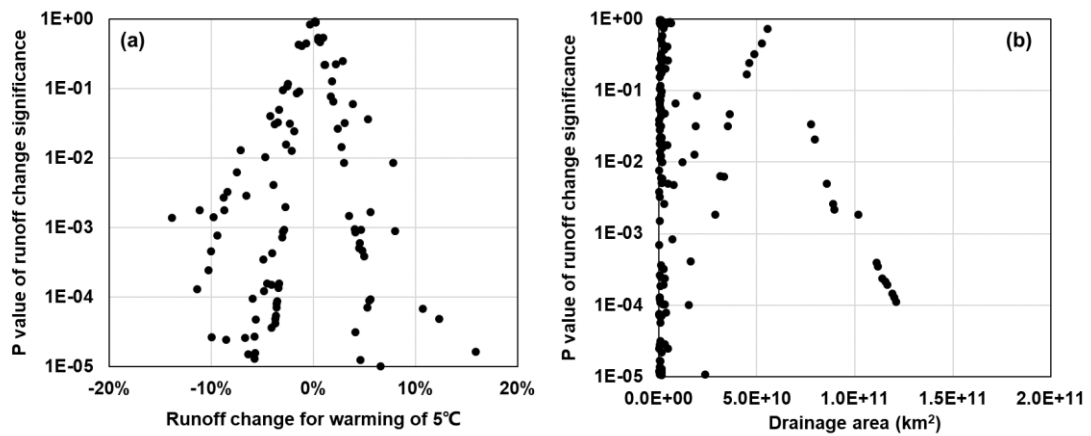
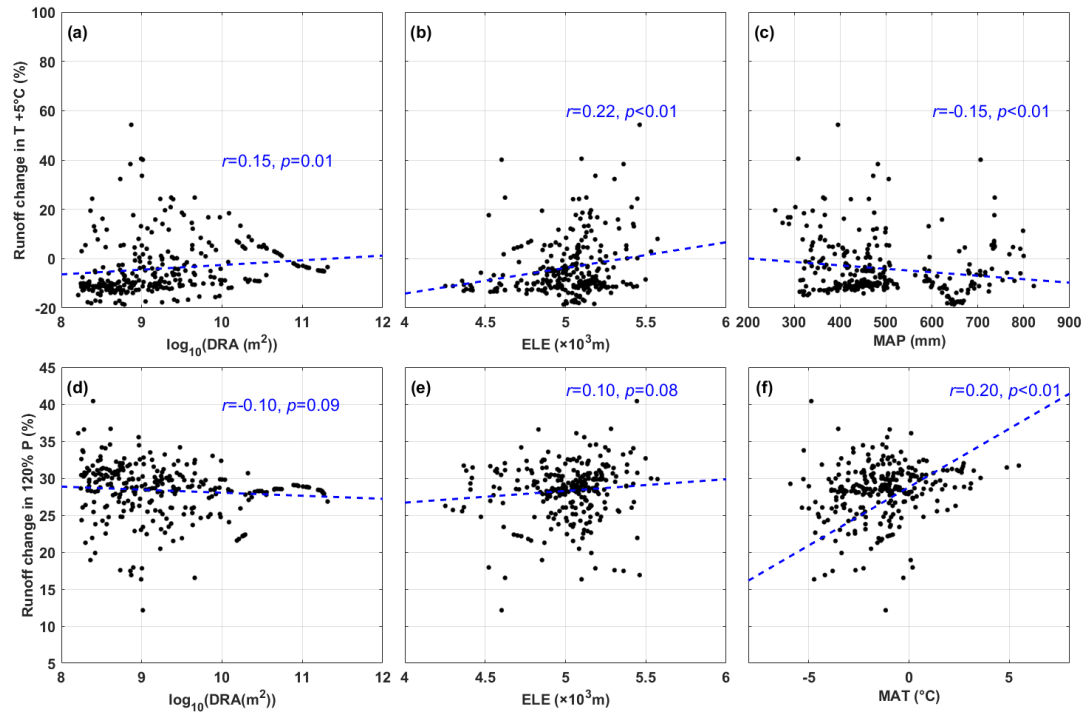


**Figure S1.** Spatial pattern of the statistical significance of REW-scale runoff change in response to warming temperature



**Figure S2.** The relations between P value of runoff change significance in response to 5 °C warming and (a) runoff change for 5 °C warming and (b) drainage area



**Figure S3.** The correlations between the hydrological sensitivities to climate perturbation and the weak influence factors.