

Fig. 1 Overview of the study area

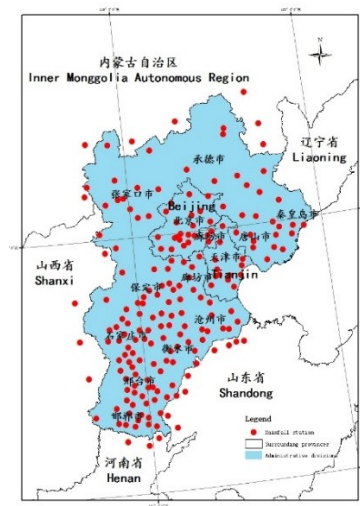


Fig. 2 Rain gauge distribution in the study area

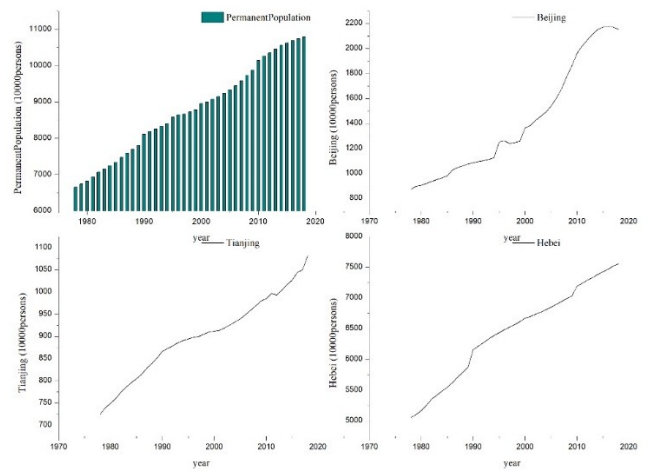


Fig. 3 Trend of permanent population

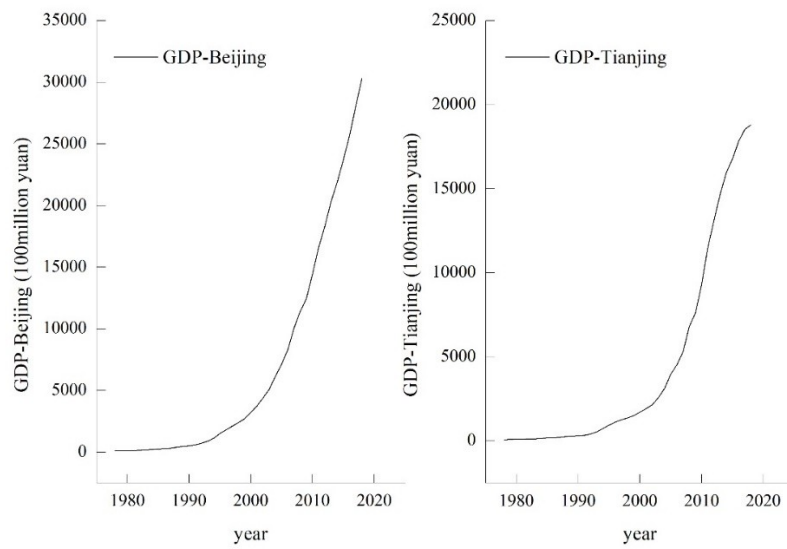


Fig. 3 GDP trends

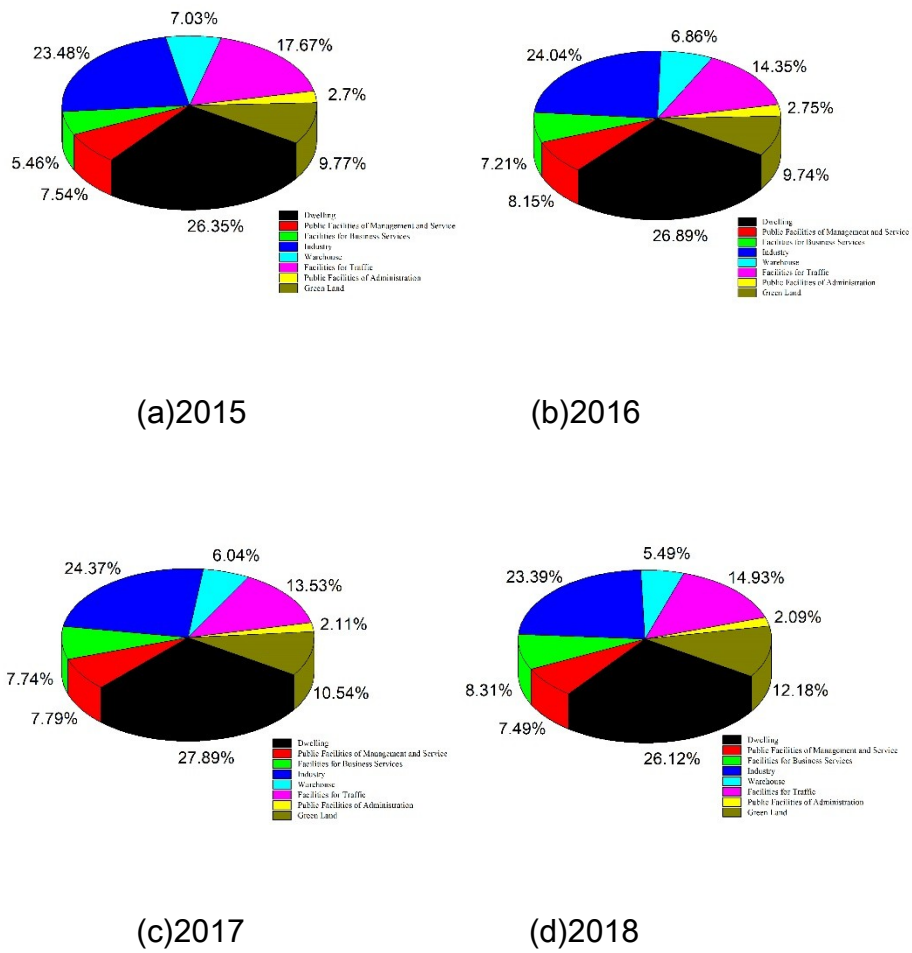


Fig. 3 Land use during different periods in Tianjin

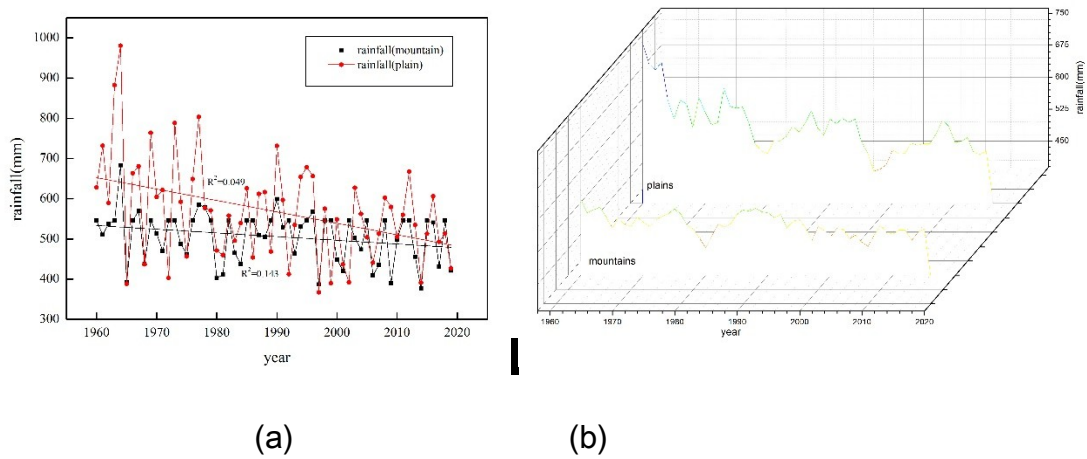


Fig. 4 Analysis of precipitation time series

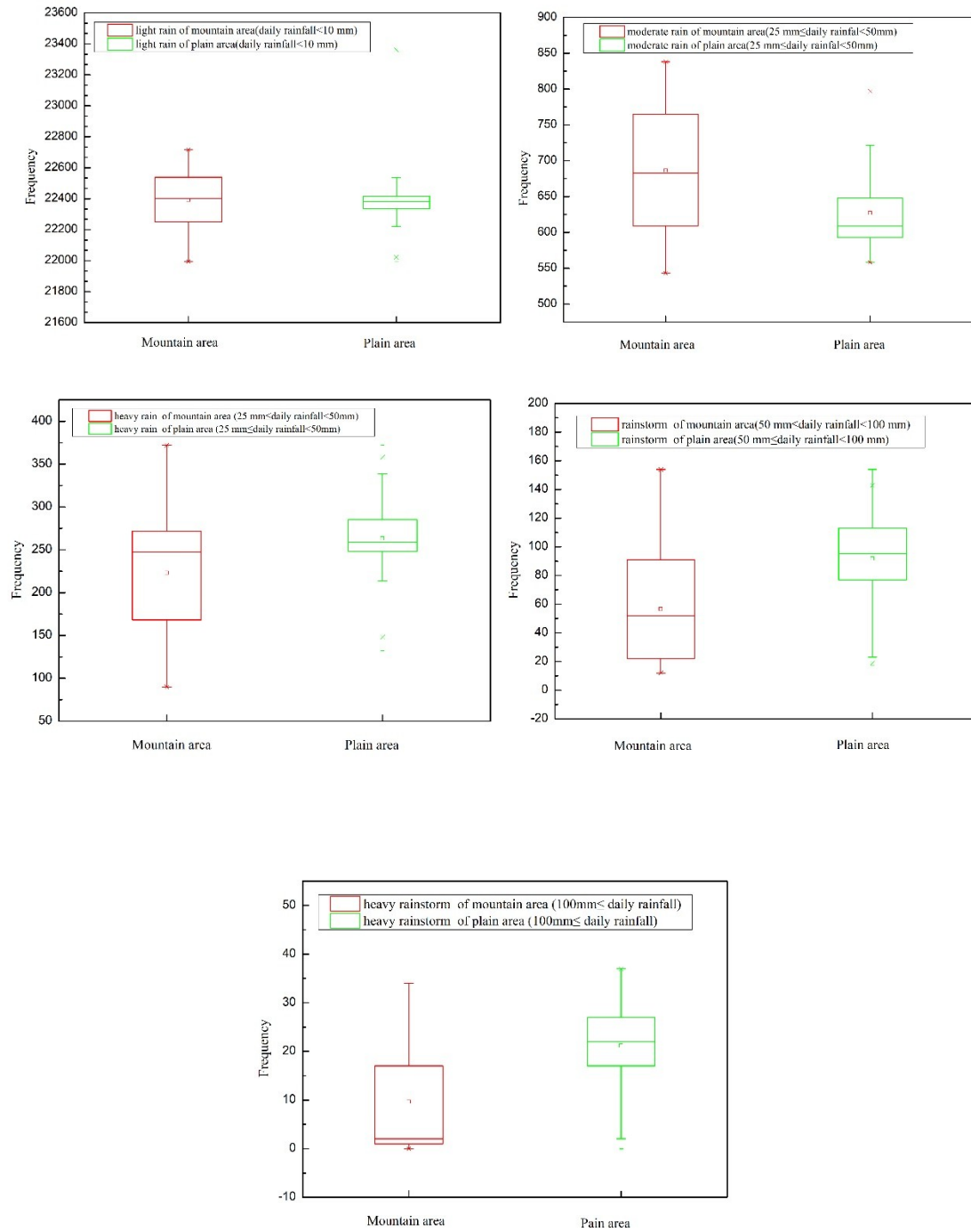


Fig. 5 Box charts showing frequency of rainfall in mountainous areas and plains for different levels of rainfall

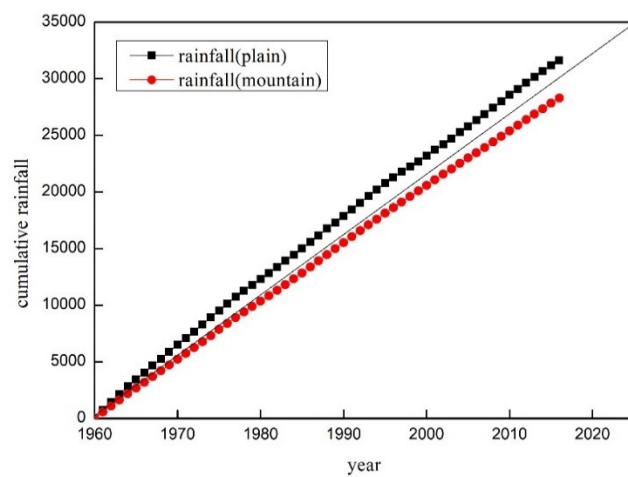
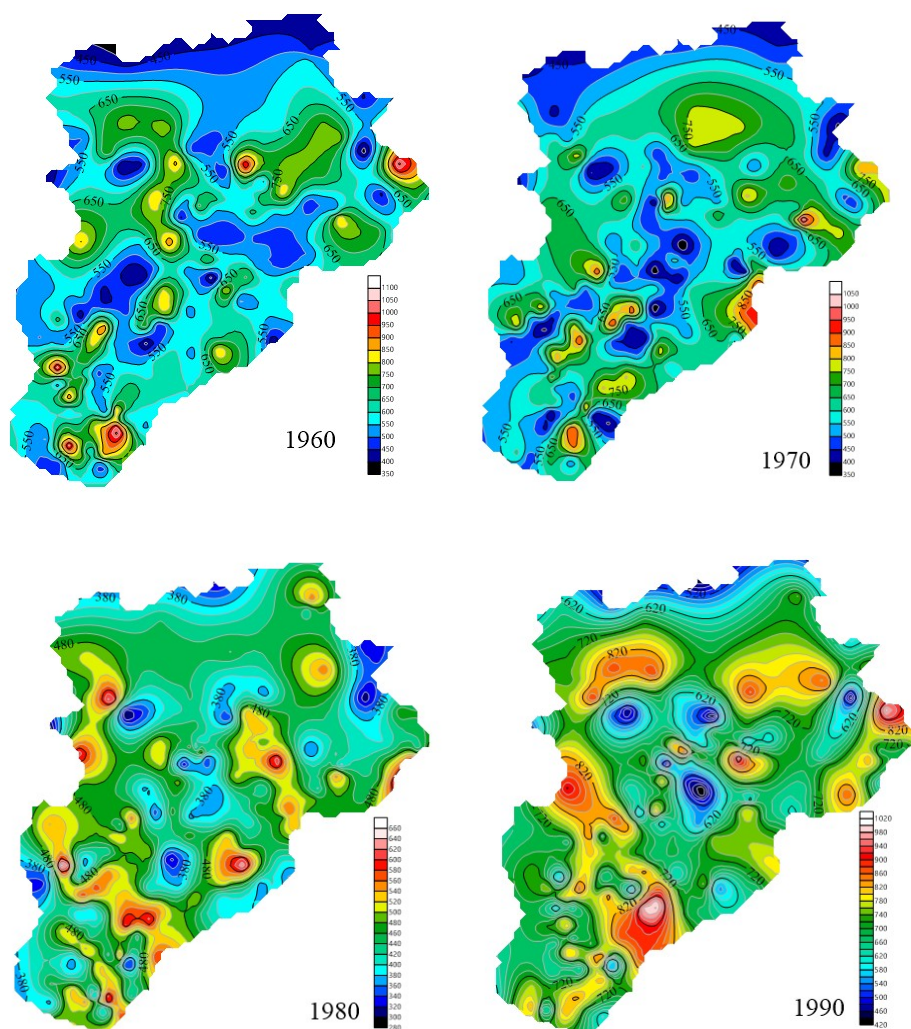


Fig. 6 Double cumulative curve of precipitation



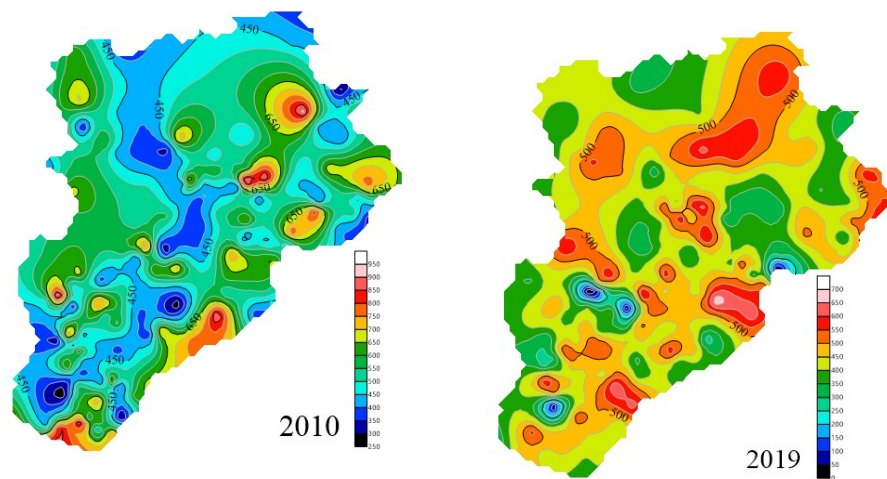


Fig. 7 Rainfall distribution in different periods

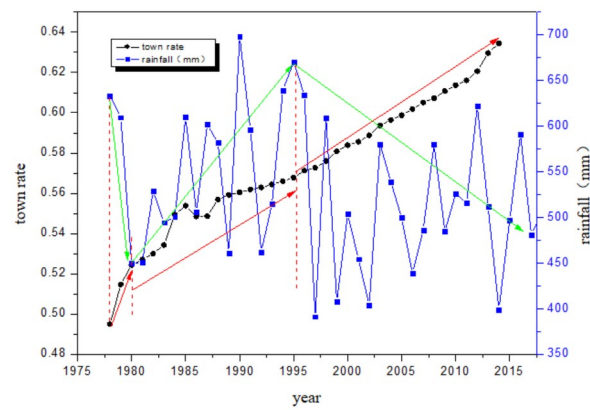


Fig. 8 Analysis of relationship between town rate and rainfall