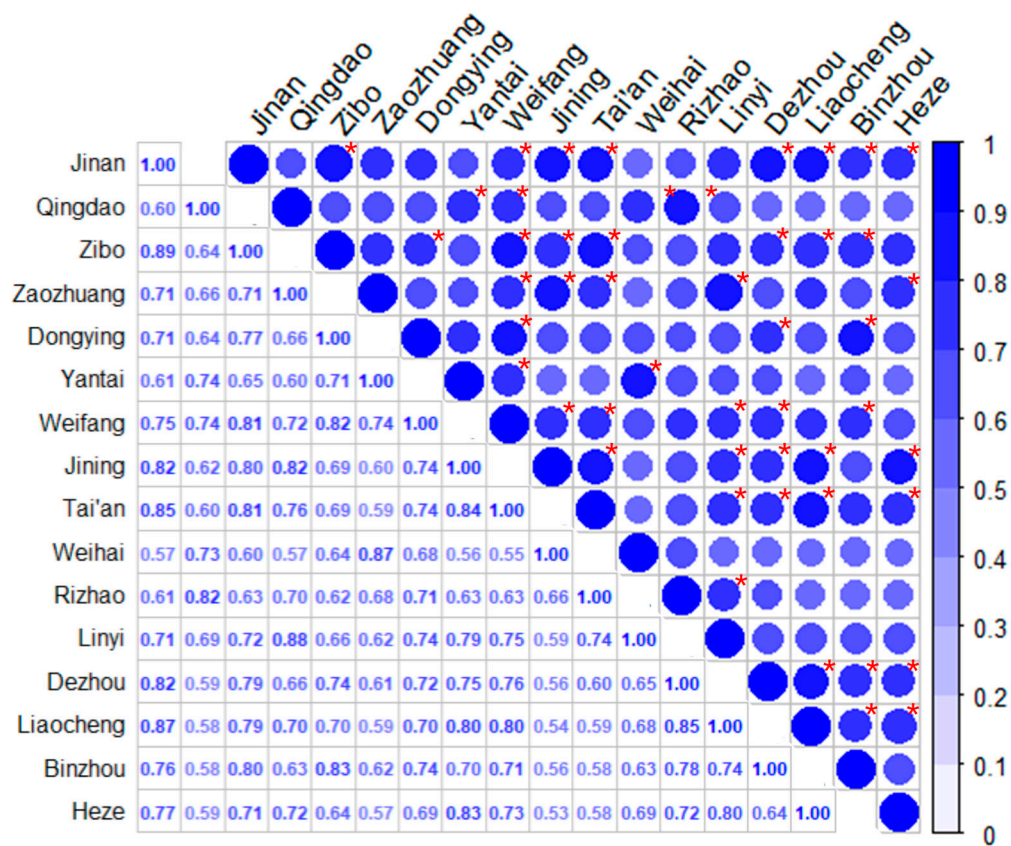
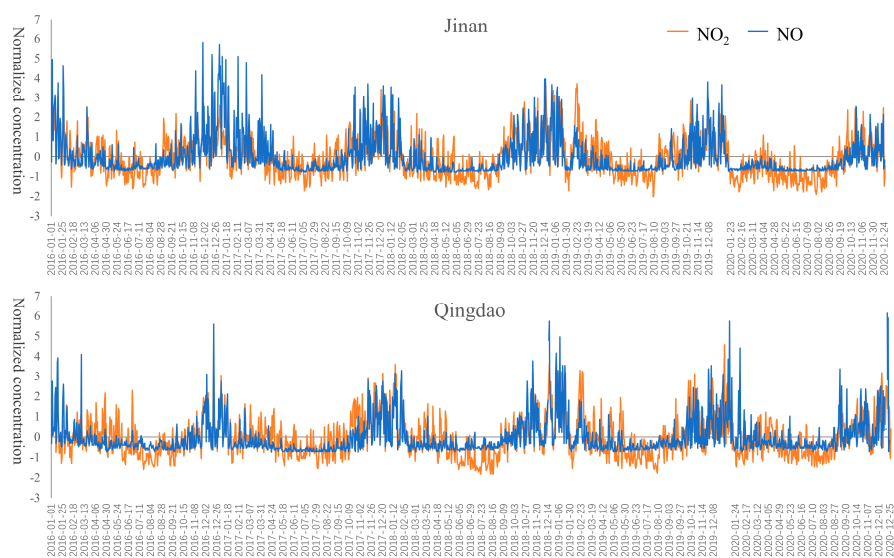


Supplementary Figure S1 Histogram of monthly average O₃ concentration changes from 2016 to 2020.



Supplementary Figure S2 ARsq among cities in Shandong province from 2016 to 2020. * is indicates passing the 95% significance level test.



Supplementary Figure S3 Line chart of the daily change of the daily maximum 8-hour average (DMA8) O₃ concentration in Jinan and Qingdao.