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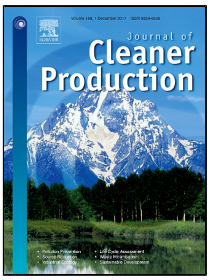

Examining the determinants and the spatial nexus of city-level CO_2 emissions in China: A dynamic spatial panel analysis of China's cities

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Highlights:

1. The factors that influence city-level CO_2 emissions in China were investigated.
2. A dynamic spatial panel model was used, taking data for the period 1992–2013.
3. A spatial agglomeration effect was identified in city-level CO_2 emissions.
4. Per capita GDP, population, the industrialization level, capital investment, and population density all increase CO_2 emissions.
5. Road density and the traffic coupling factor both decrease CO_2 emissions.