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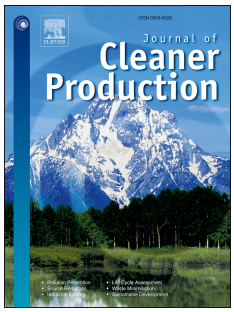

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Assessment of economic impacts of differentiated carbon reduction targets: a case study in Tianjin of China

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ABSTRACT:

The Computable General Equilibrium (CGE) model could capture the full range of interaction and feedback effects among different agents in the economic system. This study analyzes the economic impacts of differentiated carbon reduction targets by using a two-region CGE model in Tianjin Municipal City of China (hereafter "Tianjin"). Firstly, based on a business-as-usual (BaU) scenario and seven proposed carbon reduction scenarios, this paper quantifies the macroeconomic impacts of different carbon reduction targets in both regions, especially the carbon reduction

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