

Review of: "Research on the uncertainty of low-carbon environmental governance system and its impact on the dual goals of carbon emission reduction"

Yongtao Peng

Potential competing interests: No potential competing interests to declare.

1. The abstract part of the manuscript explains the research design and results, but lacks the elaboration of the research background, research purpose and the practical significance of the research results.
2. The first two paragraphs of the introduction describe the research background and practical problems, which makes it difficult to understand the logic. It is suggested that the author edit it again.
3. It is suggested that the author sort all the formulas for the convenience of readers.
4. In 4.4.2. PSTR model estimation section, there is a duplicate editing error.
5. The conclusion part lacks the limitations of the research and the prospects for future research.
6. There are three deficiencies in the reference part. First, one reference is not arranged in alphabetical order of the author; The second is that 5 references are not found in the article; The third is a citation error.

(1) one reference is arranged alphabetically by the author:

Wen F H., Zhao L L., He S Y., & Yang, G Z. (2020). Asymmetric relationship between carbon emission trading market and stock market: Evidences from China-Science Direct. *Energy Economics*, 91(9), 104850.

2. Five references are not found in the text, respectively:

Andrew M., Mary A., Emily T., & Prysor W. (2021). Barriers and opportunities facing the UK Peatland Code: A case study of blended green finance. *Land Use Policy*, 108(9), 105594. <https://doi.org/10.1016/j.landusepol.2021.105594>

Chanda S., Bhat M., Shetty K G., & Krishnaswamy J. (2021). Technology, Policy, and Market Adaptation Mechanisms for Sustainable Fresh Produce Industry: The Case of Tomato Production in Florida, USA. *Sustainability*, 13(11), 1-23.

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Yuan X., Su C., Umar M., Shao X., & Lobont, O. (2022). The race to zero emissions: Can renewable energy be the path to carbon neutrality?. *Journal of Environmental Management*, 308(4), 114648.

Zhou Q., Zhong S., Shi T., Zhang X. (2021). Environmental regulation and haze pollution: Neighbor-companion or neighbor-beggar? *Energy Policy*, 151(4), 112183.1-112183.12. <https://doi.org/10.1016/j.enpol.2021.112183>

2. Reference error(The reference is quoted twice in the manuscript, but the format of the two quotations is different, and there is an error in the format of the introduction.):

Romano T., & Fumagalli E. (2018). Greening the power generation sector: Understanding the role of uncertainty. *Renewable and Sustainable Energy Reviews*, 91(8), 272-286. <https://doi.org/10.1016/j.rser.2018.03.0981>. The abstract part of the manuscript explains the research design and results, but lacks the elaboration of the research background, research purpose and the practical significance of the research results.

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