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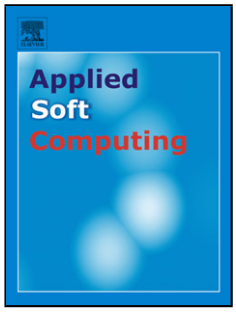

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Highlights

1. Develop the Pythagorean fuzzy TODIM approach to multi-criteria decision making.
2. The developed approach can portray the uncertainty and risk simultaneously.
3. Conduct the simulation tests to verify risk attitude's influence on the ranking orders.
4. Provide a case study to show the practicality and effectiveness of the proposed approach.
5. Demonstrate the superiority of our approach by comparing it with the existing ones.

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