Review of: "Exploding AI-Generated Deepfakes and Misinformation: A Threat to Global Concern in the 21st Century"

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Potential competing interests: No potential competing interests to declare.

The manuscript under consideration offers a broad overview of deepfakes and misinformation techniques. However, the current presentation lacks the depth expected in a systematic review. Rather than providing a comprehensive survey with meticulous referencing and in-depth analysis, the text appears to be composed with a more generalized approach reminiscent of automated content generation, akin to ChatGPT, featuring somewhat vague ideas and self-evident statements.

In particular, the discussion on the evolution of deepfake techniques in point 2 would benefit from explicit references to diffusion models in image generation and the role of transformers, such as GPT models, in text generation, as these elements are integral to the current state-of-the-art developments in the field.

Moreover, in points 3 and 5 to 11, it is crucial to incorporate specific references supporting each outlined sub-point. Point 7, focusing on techniques, requires a detailed citation for each quoted technique to enhance the credibility and reliability of the information presented.

Regarding point 4, it is worth noting that the content provided is seemingly beyond the intended scope of the review and may be considered extraneous.