

Review of: "Applications of Deep reinforcement learning in MEMS and nanotechnology"

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Potential competing interests: No potential competing interests to declare.

This work reviews deep reinforcement learning (DRL) applications in micro-electro-mechanical systems (MEMS) and nanotechnology. The paper's contribution to existing knowledge in this research field is justified. The article needs to contribute more; the following points can improve the manuscript.

1. Enhance the introduction to show the motivation for this work.
2. More details about DRL architecture and the complexity of the model can be provided.
3. Add figures to summarize different parts, such as the "Applications of DRL in MEMS and Nanotechnology" section.
4. The manuscript organization can be improved.
5. References should be updated; there is only one reference in 2023.
6. Change the "Conclusion" section title to "Conclusion and Future Directions" and add more discussion and future directions to the research.