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

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Potential competing interests: No potential competing interests to declare.

The article provides a comprehensive overview of the applications of DRL in MEMS and nanotechnology, highlighting its potential benefits and future prospects. The article provides a thorough overview of the applications of Deep Reinforcement Learning (DRL) in the fields of micro-electro-mechanical systems (MEMS) and nanotechnology. It covers various aspects, including design optimization, nanomaterial synthesis, nanorobotics, autonomous nanofabrication, nanoparticle self-assembly, and process optimization, highlighting the potential benefits in each area. The following points can improve the manuscript.

1. Updating the references with more recent publications will ensure the article reflects the latest advancements in the field. Including cutting-edge research and case studies can strengthen the credibility and relevance of the findings.
2. The article lacks details on the specific DRL algorithms and methodologies used in the mentioned applications. More in-depth explanations of the DRL techniques employed in each case would have added value to the research.