

Review of: "Investigating the Mechanical and Tribological Effects of MoS₂ Reinforcement in AZ91 Magnesium Alloy: A Comprehensive Experimental Study"

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Potential competing interests: No potential competing interests to declare.

1. No novelty in this work. It looks like a case study.
2. The literature section is very weak. The authors need to study the effect of MOS₂ on microstructure and properties.
More literature should be investigated and summarized in this section.
3. All the references are too old.
4. There are other materials available in this family of transition metal dichalcogenides. Why have the authors chosen MOS₂? Why not others?
5. Resolution of the microstructure is weak. Have the authors studied the distribution of MOS₂ particles? EDX mapping is required.
6. More investigation is required to draw a concrete conclusion.