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Author Correction: MXene/ graphene oxide nanocomposites for friction and wear reduction of rough steel surfaces

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Correction to: *Scientific Reports* <https://doi.org/10.1038/s41598-023-37844-0>, published online 08 July 2023

The original version of this Article contained an error in Figure 1e. Due to a mistake in figure assembly, this panel was inadvertently duplicated from Figure 1c in the work of Macknojia, A. et al.¹ The original Figure 1 and accompanying legend appear below.

The original Article has been corrected.

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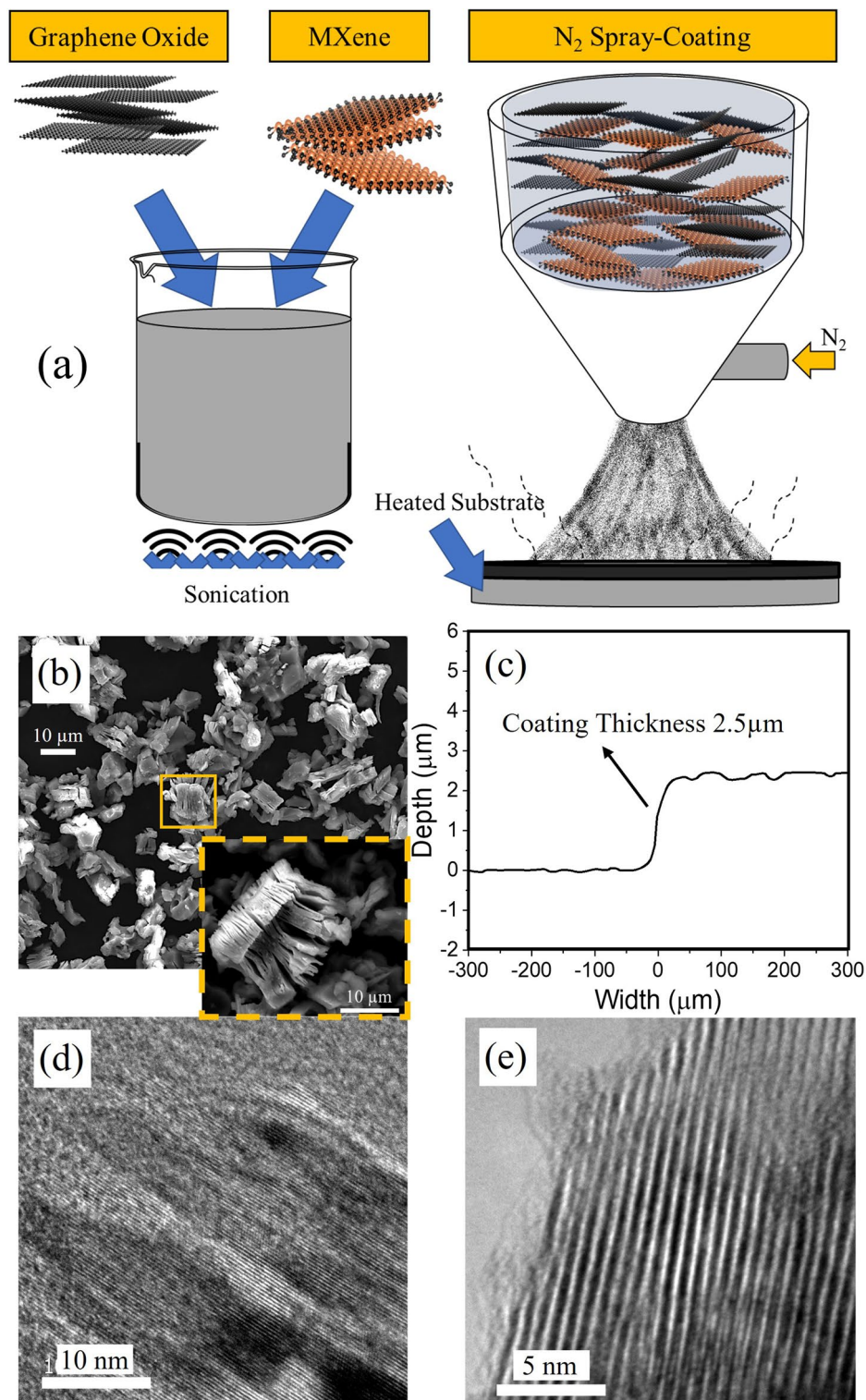


Figure 1. (a) Schematic showing synthesis and spray deposition of the lubricants onto the pre-heated steel substrate. (b) Scanning electron micrograph showing the morphology of pristine MXenes, inset showing a high magnification image clearly showing accordion-like multi-layer structure (c) Coating thickness measured using optical profiler by cutting a step on the substrate. Transmission electron micrographs of (d) Graphene Oxide and (e) MXene. The lattice parameter calculated from the images is 2.9 Å for Graphene Oxide and 8.2 Å for MXene correspondingly.

Reference

1. Macknoja, A. *et al.* Macroscale superlubricity induced by MXene/MoS₂ nanocomposites on rough steel surfaces under high contact stresses. *ACS Nano* **17**, 2421–2430 (2023).



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