

*DLC from Thin Air: In Situ Formation of DLC on Ultralow Wear Metals*

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The existence of stable nanocrystalline binary metal alloys has been recently proposed. We show evidence of a noble-metal alloy having remarkable nanocrystalline stability, exhibiting ultralow wear, enabling it as a catalyst for the tribo-formation of diamond-like carbon from ambient organics at low temperature.

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