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Characterization of Binary Self-Assembled Monolayers Formed from the Sequential Deposition of 2-Naphthalenethiol and Octanethiol

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## Highlights

- Study conducted in ambient conditions, demonstrating the stability and the realistic applicability of the system.
- Compounds used have relevant applications in nanotechnology.
- Formation of mixed monolayer driven by how many defect sites are present in initial monolayer.
- Formation of ordered structures in mixed monolayer affected by ability of incoming molecule to form ordered arrays.

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