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Orientation and density control of proteins on solid matters by outer membrane coating: analytical and diagnostic applications

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Highlights

- A lack of orientation control exists when solid matters are coated with biomolecules
- This leads to a severe reduction in sensitivity and the limit of detection
- Autodisplay leads to an oriented expression of proteins on the OM
- OM liposomes can be prepared and used for solid matter coating
- Orientation and density control obtained thereby leads to an increase in sensitivity and LOD

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