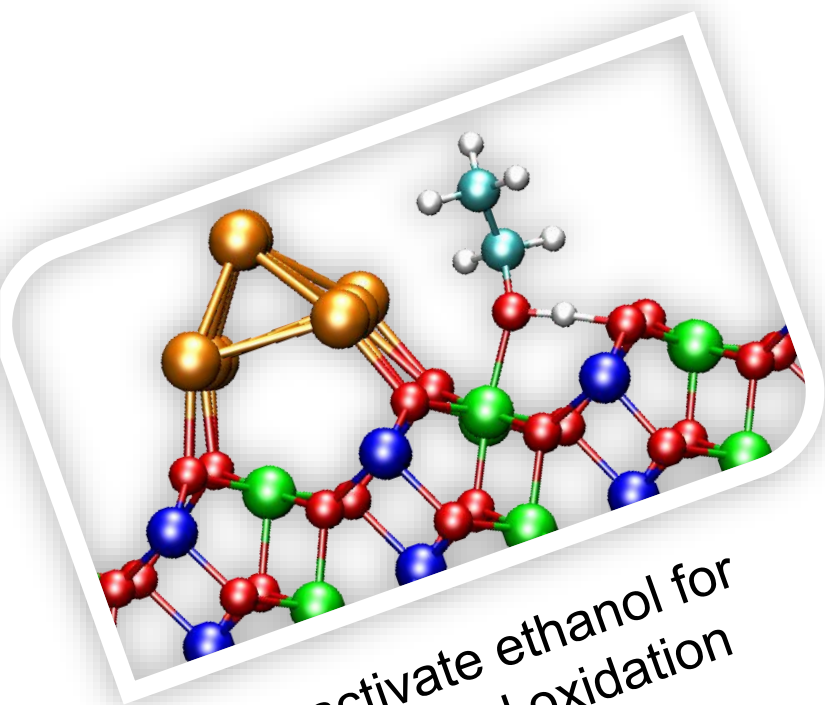
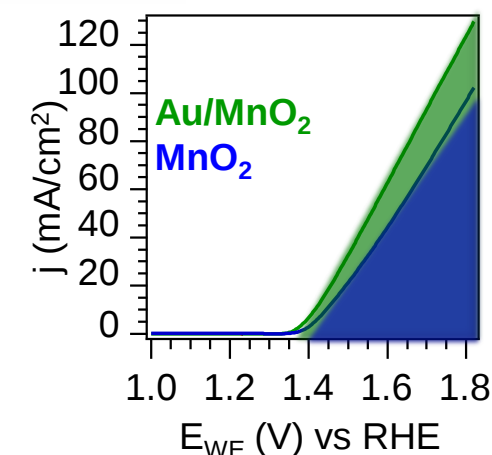
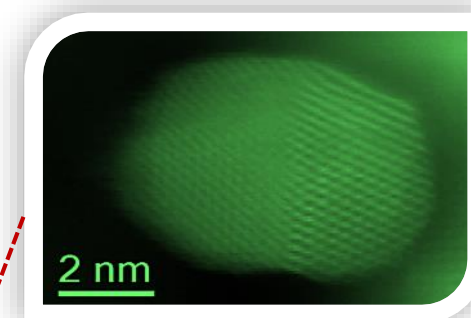
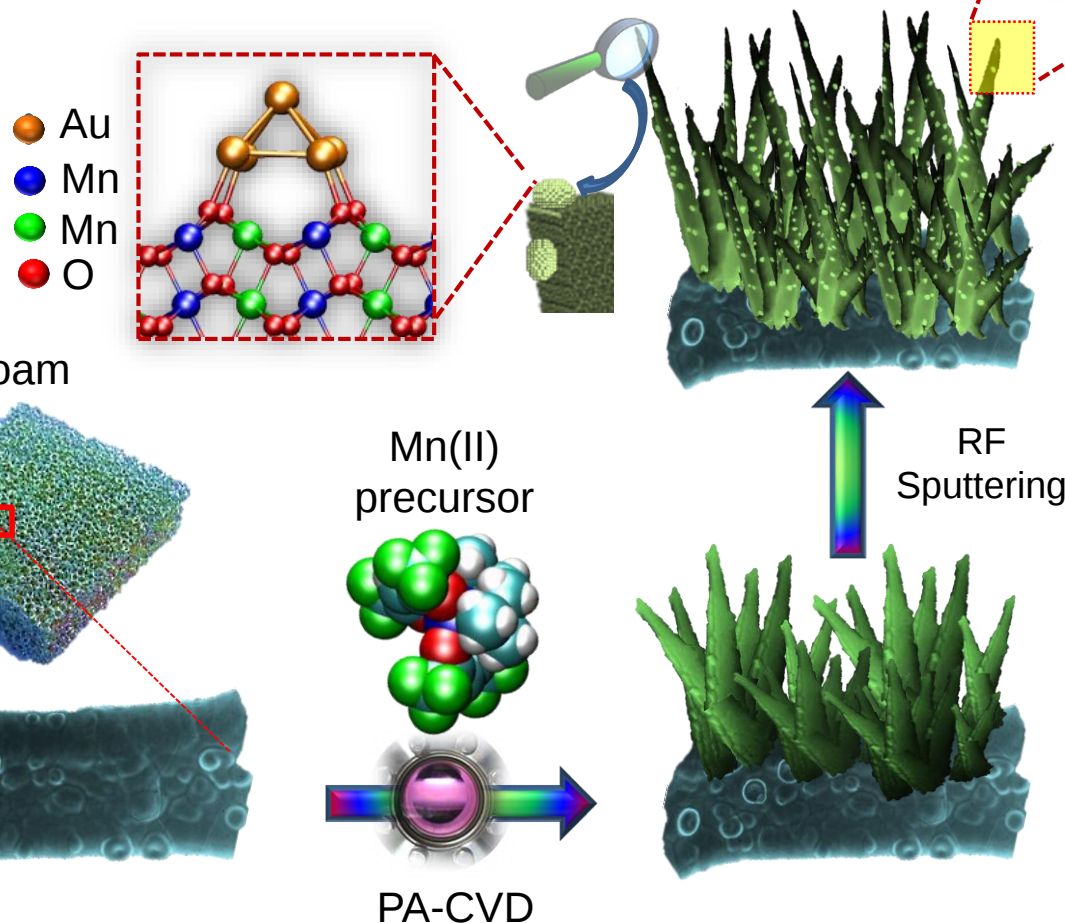


Au/MnO₂ Hierarchical Nanoarchitectures for ethanol electrochemical valorization

Direct Ethanol Fuel Cells: 😊 **relevant for H₂ production** ☹️ **based on Pt**
Idea: replace Pt with MnO₂



MnO₂ nanostructures grown on Ni foam by plasma-assisted CVD and functionalized with gold nanoparticles (Au-NPs)



Superior performances of Au/MnO₂ for ethanol oxidation in alkaline media