

Synergistic Effect in Au-Cu Bimetallic Catalysts for the valorization of lignin-derived compounds.

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Supporting Information

The high resolution spectra of Cu of both C- and Al₂O₃-supported samples are reported in figures S1 and S2.

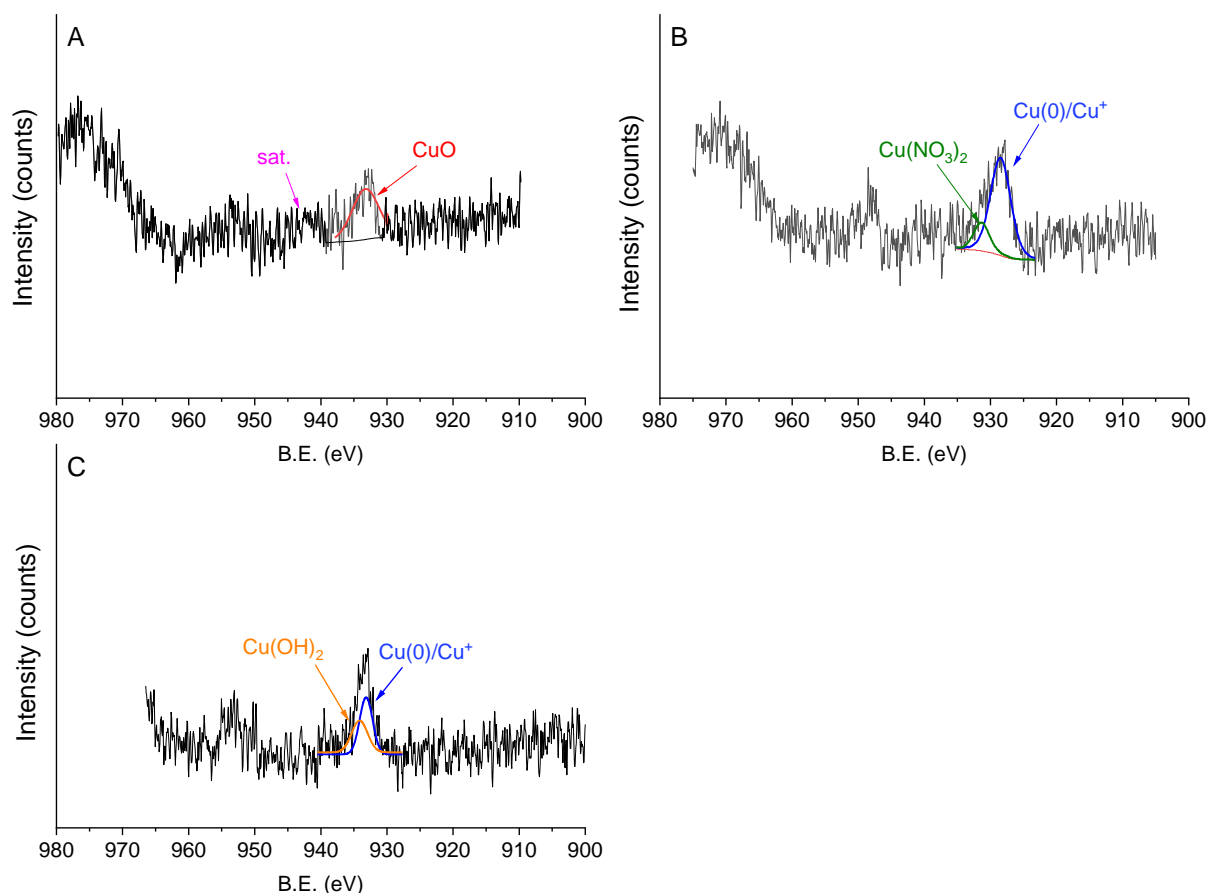


Figure S1. Cu 2p deconvolution for A) Au₄Cu₁ B) Au₁Cu₁ and C) Au₁Cu₄ C-supported catalysts

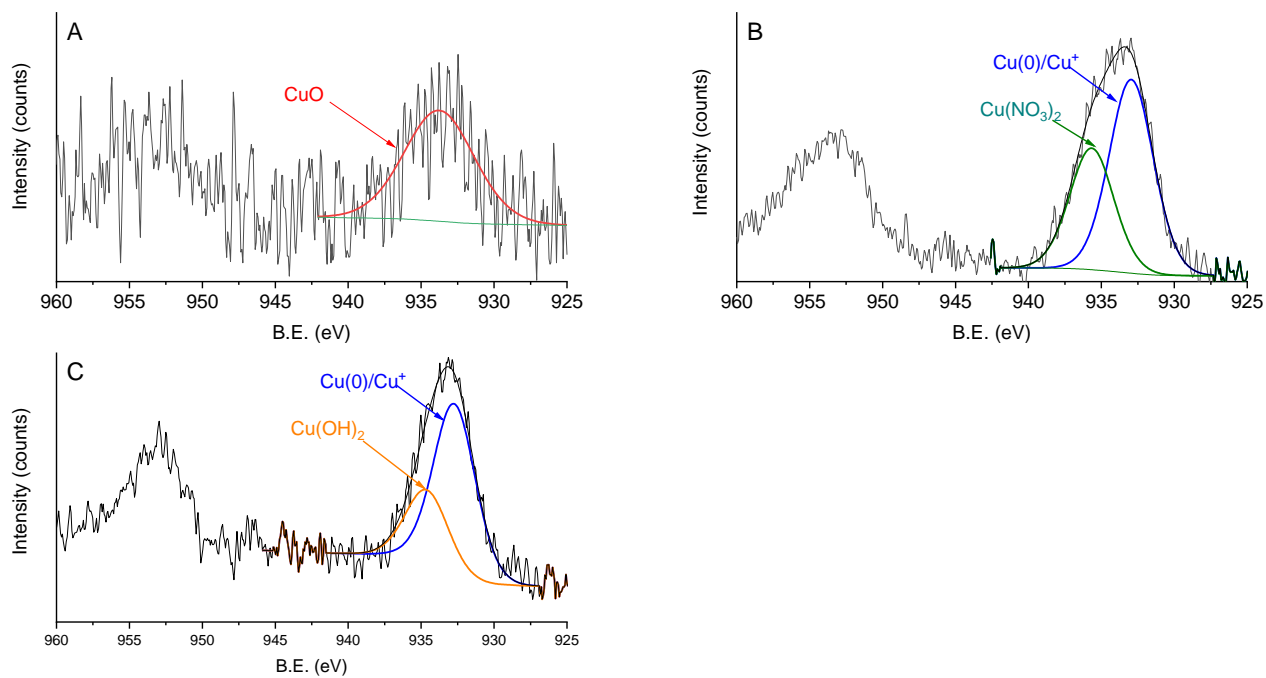


Figure S2. Cu 2p deconvolution for A) Au_4Cu_1 B) Au_1Cu_1 and C) Au_1Cu_4 Al_2O_3 -supported catalysts.

The high resolution spectra of Au of both C- and Al_2O_3 -supported samples are reported in figures S3 and S4. Spectra related to Au_1Cu_4 are not reported because the too low resolution of the Au signal does not allow for deconvolution.

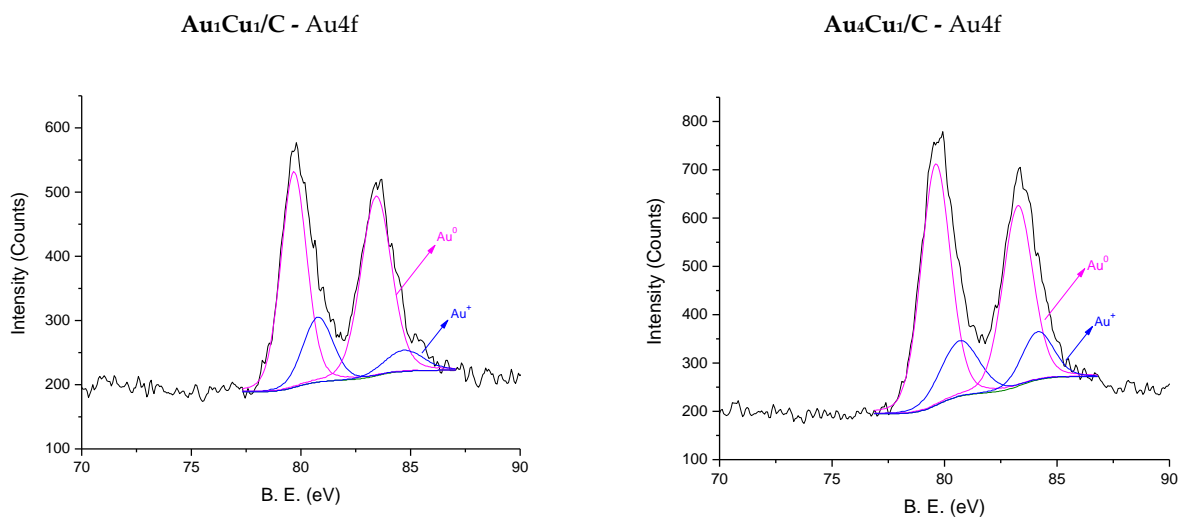


Figure S3. Au 4f deconvolution for A) Au_1Cu_1 B) Au_4Cu_1 C-supported catalysts.

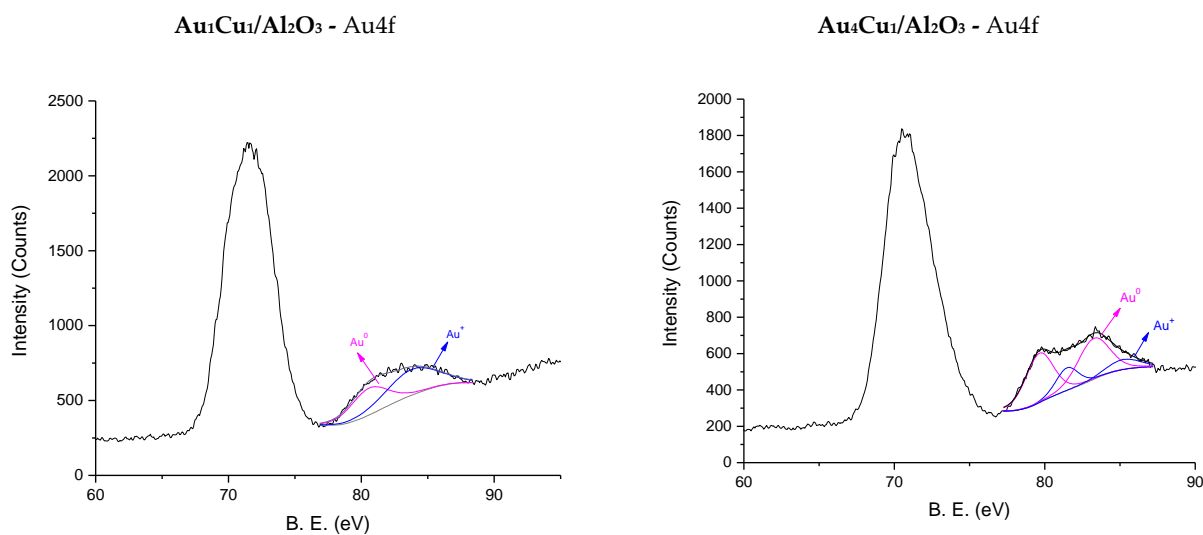


Figure S4. Au 4f deconvolution for A) Au_1Cu_1 B) Au_4Cu_1 Al_2O_3 -supported catalysts.

The A) gold and B) copper surface exposure as a function of the conversion of VA after 1 h for Al_2O_3 supported catalysts is reported in figure S5.

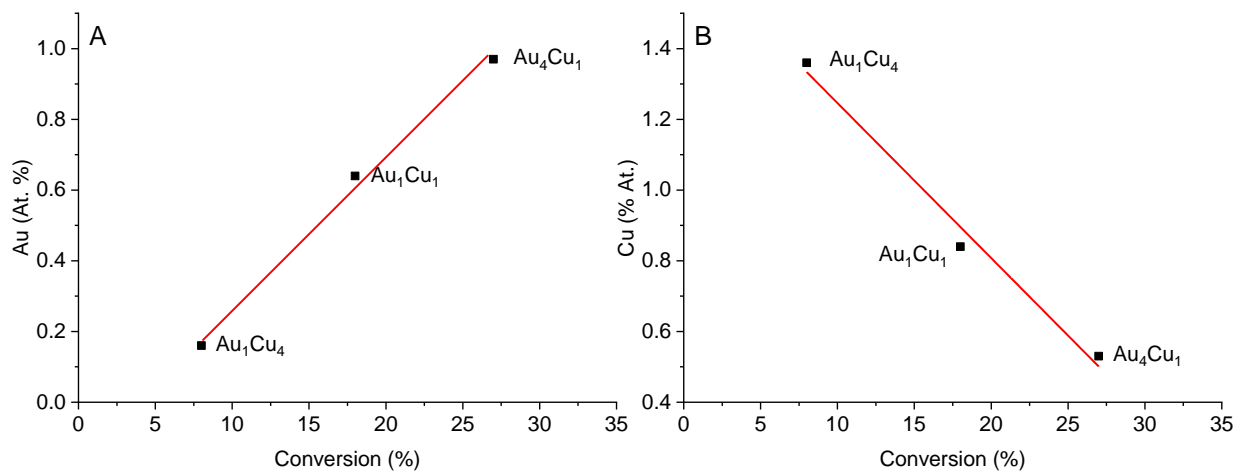


Figure S5. Influence of A) gold and B) copper surface exposure on the conversion of VA after 1 h for Al_2O_3 supported catalysts.

The influence of Au^0_{exp} exposure on the conversion at 1 h of reaction is reported in figure S6.

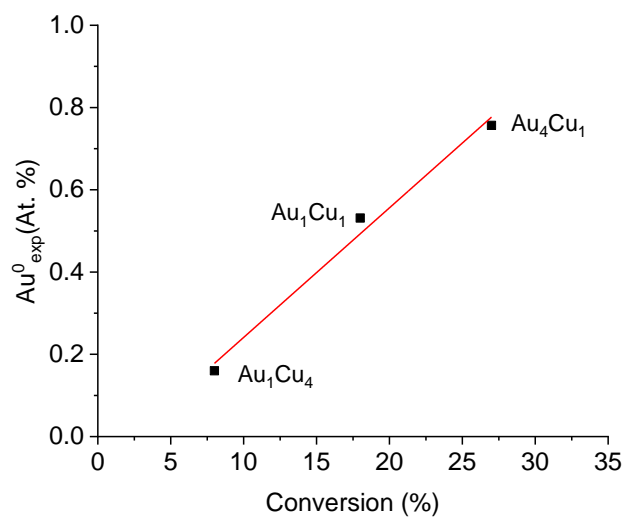


Figure S6. influence of Au^0_{exp} exposure on the conversion at 1 h of reaction.