

Development of highly efficient Fe-nonporphyrin molecular catalysts for electro- and photo-conversion of CO₂ to CO

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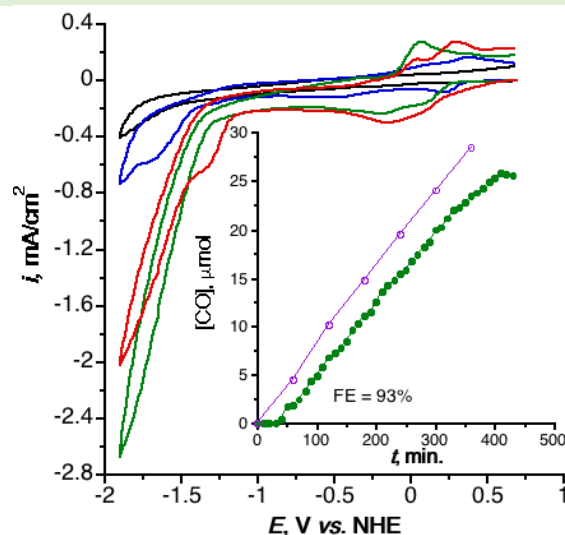


Fig. 1. CVs at 100mV/s scan of complexes **1a-c** in DMF/0.1 M TBAP (2 % H₂O) saturated with CO₂. Inset: chemical structures of **1a-c** and [CO]-time profile of **1b** detected by gas chromatography.

Papers under preparation:

- Eman A. Mohamed, Zaki N. Zahran, and M. Yagi, Efficient homogeneous CO₂ to CO conversion with iron nonporphyrin complexes.
- Zaki N. Zahran, Eman A. Mohamed, and M. Yagi, Efficient heterogeneous CO₂ to CO conversion with iron nonporphyrin complexes in aqueous solutions.