Electronic Supplementary Material (ESI) for Energy and Environmental Science

Supporting Information For

Photocurrent generation by Photosystem 1 integrated in crosslinked redox hydrogels

Adrian Badura,[1] Dmitrii Guschin[2], Tim Kothe[1], Marta J. Kopczak[1], Wolfgang Schuhmann[2]* and Matthias Rögner[1]*

[1]Plant Biochemistry (Faculty of Biology & Biotechnology), Ruhr-Universität Bochum, Universitätsstrasse 150, D-44780 Bochum, Germany, Fax: (+49)2343214322

[2]Analytische Chemie - Elektroanalytik & Sensorik (Faculty of Chemistry & Biochemistry), Ruhr-Universität Bochum, Universitätsstrasse 150, D-44780 Bochum, Germany Fax: (+49)2343214683

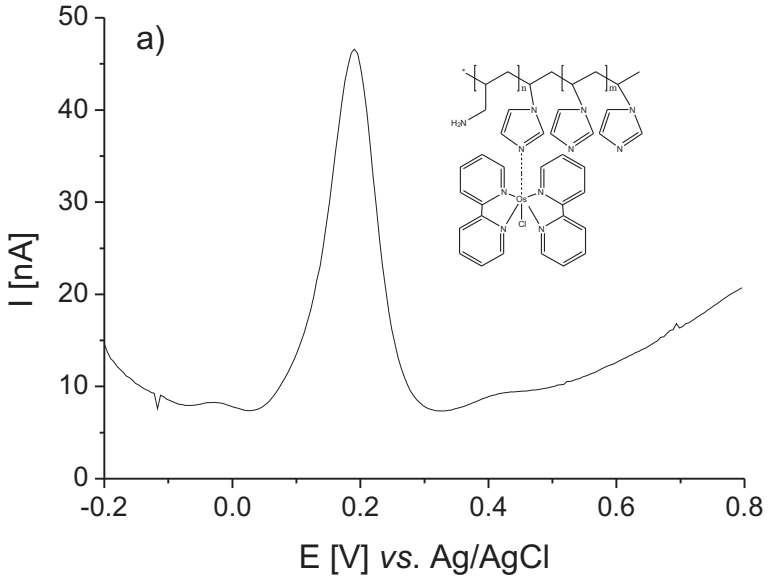
***Corresponding authors**

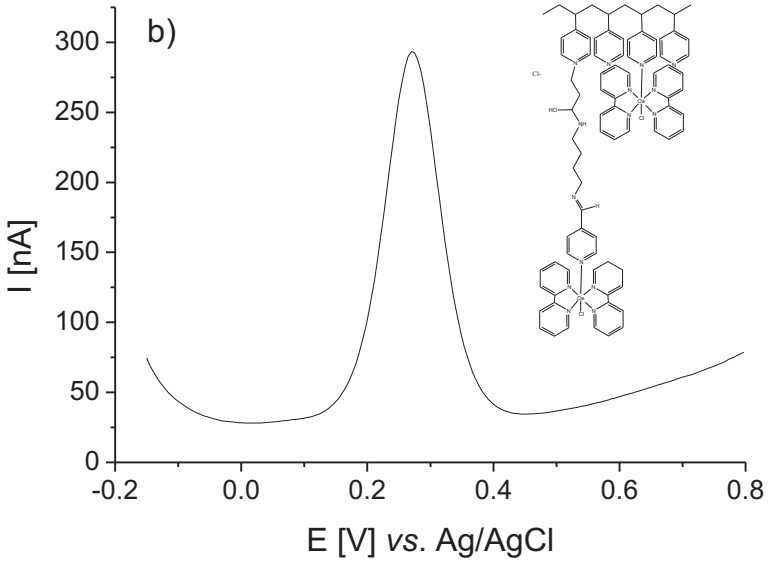
Matthias Rögner

Email: matthias.roegner@rub.de

Wolfgang Schuhmann

E-mail: wolfgang.schuhmann@rub.de





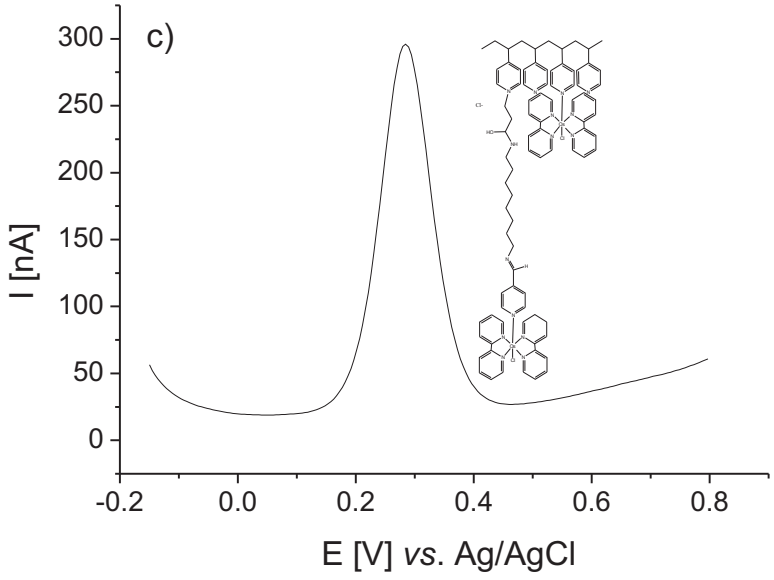


Figure S1. Differential pulse voltammograms of electrodes modified with Os-complex modified redox polymers with different polymer backbones and coordination shell of the Os complexes A) P1, B) P2, C), P3. The molecular structure is shown as inset (1 M KCl, step potential 49.5 mV, interval time 0.2 s, modulation amplitude 150 mV, modulation time 0.06).