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Mechanistic study of the [(dpp-bian)Re(CO)$_3$Br] electrochemical reduction using *in situ* EPR spectroscopy and computational chemistry

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Abstract

The [(α-diimine)Re(CO)$_3$(Hal)] complexes are able to act as efficient catalysts for electrochemical reduction of CO_2 into energy-rich compounds. Among the α-diimine ligands, the 1,2-bis[(2,6-diisopropylphenyl)imino]acenaphthene (dpp-bian) attracted recently increased