

Method for making carbon dioxide reduction cathode by formation of catalytic layer on the substrate from solution of organic compounds, in which method the catalytic layer is chemically precipitated from the solution of ion-radical salt, which is formed by radical of cation containing in its structure nitrogen with undivided pair of electrons, in particular chinolinium, pyrazinium and derivatives thereof, N-methylphenasinium, and radical of anion with strong acceptor properties, in particular 7,7',8,8'-tetracyanochinodimethane, in organic solvent or from said solution with addition of reduction processes selectivity modifiers, in particular substituted or unsubstituted phthalocyanins of transition and rare earth elements.