عنوان مقاله:

Electrochemical Solvation Parameters for The Interaction of CuBr۲ With Carbazine ۷۲۰ (LC) in NaClO۴ Using Glassy (Carbon working electrode (cyclic voltammetry

محل انتشار:

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خلاصه مقاله:

he redox mechanisms were examined for Copper bromide in the absence and presence of (LC) using cyclic voltammetry. The mechanisms of reduction and oxidation were examined while using new glassy carbon electrode prepared in laboratory from pure carbon piece jointed with copper wire and isolated by heat shrink polymer to avoid contact with solutions. In order to explain the type of the used reaction in electrochemical study, the complexation stability constants and Gibbs free energies of complex formation obtained from the interaction of CuBr۲ with (LC) were obtained from the experimental part and their values were discussed. The prepared galssy carbon electrode was .polished with Al۲O۳ andput in a woolen clear piece, washed and used for cyclic voltammetry measurements

کلمات کلیدی:

Cyclic Voltammetry, CuCl۲, Carbazine, redox parameters, Kinetic parameters