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[\[PDF \(288K\)\]](#) [\[References\]](#)**Fabrication of a Carbon Sphere-modified Electrode and Sensitive Determination of Cadmium(II)**[Xiangliang NIE](#)<sup>1)2)</sup> and [Weibing HU](#)<sup>1)2)</sup>1) *Key Laboratory of Biologic Resources Protection and Utilization of Hubei Province*2) *School of Chemistry & Environmental Engineering, Hubei Institute for Nationalities*

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A carbon sphere-modified glass carbon electrode was prepared by employing cyclohexanol as a solvent to disperse the carbon spheres efficiently. The resulting electrode exhibits excellent sensitivity to cadmium(II), and a detection limit of  $10^{-10}$  mol/L has been obtained, which is one order of magnitude lower than those obtained by other electrodes. Along with immunity from interference of other metal ions, the wide determination range and good linear correlation coefficient would be beneficial to applications of the electrode.

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