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IrO<sub>2</sub>复合涂层电极的研究进展

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**摘要:** IrO<sub>2</sub>复合物具有优良的耐腐蚀、抗氧化特性和电化学特性,被应用于析氧催化与氧还原催化领域。本文综述了近几年来IrO<sub>2</sub>复合涂层电极的研究进展,主要包括IrO<sub>2</sub>晶体结构特点、IrO<sub>2</sub>复合涂层电极制备方法以及复合涂层电极在析氧催化与氧还原催化领域的相关研究。

**关键词:** IrO<sub>2</sub>复合物 晶体结构 制备方法 催化应用

RESEARCH PROGRESS OF IRIIDIUM OXIDE COMPOSITES ELECTRODES

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**Abstract:** Iridium oxide composites are widely used in the oxygen evolution reaction and oxygen reduction reaction catalysis fields because of their excellent anti corrosion, oxidation-resistant and superior electrochemistry performances. In this paper, the crystal structure of iridium oxide, the preparation methods for its composites and the relative research progress in oxygen evolution reaction and oxygen reduction reaction catalysis fields in recent years were reviewed.

**Keywords:** iridium oxide composites crystal structure preparation method catalysis application

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