CoOOH 的包覆及其性质研究

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摘要：介绍了一种 CoOOH 的新包覆工艺，对在球形石墨表面进行包覆 CoOOH 的电化学性质进行了测试和研究。研究结果表明：该方法得到的 CoOOH，其中钴的价态更高，具有更好的导电性能。使用该工艺包覆的球形 $Ni(OH)_2$ 作正极活性物质进行的测试表明：此种工艺在提高利用率、减少电池化成步骤等方面有应用价值。

关键词：MH/Ni 电池；　CoOOH；包覆；石墨；$Ni(OH)_2$

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Characteristics of chemically synthesized CoOOH

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Abstract: The cobalt oxyhydroxide had been chemically coated on the surface of the graphite powder and the electrochemical property of CoOOH-coated graphite had been evaluated. The chemically synthesized CoOOH showed a high conductivity because of high oxidation state of colalt. The CoOOH-coated spherical $Ni(OH)_2$ showed a higher active material utilization in comparison with the regular CoOOH-coated spherical nickel hydroxide.

Key words: Ni/MH battery; CoOOH; coating; graphite; $Ni(OH)_2$