

正极材料锂钴氧化物掺杂研究进展

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摘要: 介绍了锂离子电池正极材料锂钴氧化物掺杂的研究现状。分别从掺杂金属元素和非金属元素两个方面, 详述了掺杂元素的作用机理和对锂钴氧化物结构、性能的影响, 并且介绍了选取掺杂元素的原则。

关键词: 可充锂电池; 格氏试剂盐; 有机电解质

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Progress in doped lithium cobalt oxide used as cathode for Li-ion batteries

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Abstract: The progress in doped lithium cobalt oxide used as cathode for lithium ion batteries were reviewed. The reaction mechanism of doped elements and the influence in structure and capacity of lithium cobalt oxide by doped elements, the principle of selecting doped elements were introduced.

Key words: lithium ion batteries; cathodes; lithium cobalt oxide; doping

电池杂志

BATTERY BIMONTHLY