

<<催化剂分离、回收与再生>>

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作者：[英] 科尔-汉密尔顿 ( Cole-Hamilton, D. J. ) , [英] 图兹 ( Tooze, R. P. )

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### 内容概要

本书提出了新的办法来解决从均相催化中分离反应产物的难题。新流程涉及低浸出负载型催化剂，可溶性支持措施，如聚合物和树枝状大分子，不常用的溶剂，例如水，含氟有机物，离子液体和超临界流体。不同于其他书籍，除了所涉及的化学，本书着眼于流程的设计，并与现有流程进行了比较，并给出了实例。

内容主要包括：新工艺分离的产品解决方案，含有均相催化剂；催化剂对不溶性或可溶性支持-固定床催化剂-连续流或超滤；双相系统：水-有机氟-有机液体，离子液体-有机液体，超临界流体（单相或双相与水，有机或离子液体）；对比当前的流程，涉及大气或低温蒸馏；考察化学与工艺设计；每种方案的利弊等。

本书可供催化化学专业研究生，化工、医药工业科研人员参考使用。

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