<<高分子膜分离材料的表面工程Surfa>>

图书基本信息

书名：<<高分子膜分离材料的表面工程Surface Engineering of Polymer Membranes>>

13位ISBN编号：9787308061698

10位ISBN编号：7308061698

出版时间：2008-10

出版时间：浙江大学出版社

作者：徐志康，黄小军，万灵书　著

页数：333

<<高分子膜分离材料的表面工程Surfa>>

内容概要

Surface Engineering of Polymer Membranes covers the processes that modify membrane surfaces to improve their in-service performance,meaning, to confer surface properties which are different from the bulk properties. Purposes may be to minimize fouling, modulate hydrophilicity/hydrophobicity; enhance biocompatibility, create diffusion barriers, providefunctionalities, mimic biomembranes,fabricate nanostructures, etc. First, the basics of surface engineering of polymer membranes are covered. Then topics such as surface modification by graft polymerization and macromolecule im-mobilization, biomimetic surfaces, enzyme immobilization, molecular recognition, and nanostructured surfaces are discussed. This book provides a unique synthesis of the knowledge of the role of surface chemistry and physics in membrane science.

作者简介

Dr. Zhikang Xu of the Institute of Polymer Science of Zhejiang University has eight Chinese patents and in zoo6 was honored as a Distinguished Young Scholar by the National Natural Science Foundation of China (NNSFC).

<<高分子膜分离材料的表面工程Surfa>>

书籍目录

章节摘录

插图：

编辑推荐

《高分子膜分离材料的表面工程》由机械工业出版社出版。

版权说明