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Serena Esposito



Sol–Gel Synthesis Strategies for Tailored Catalytic Materials

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*To my mum, who taught me to never give up
and to always believe that my future could be
whatever I dreamt it to be.*

*To my husband, my son and my daughter, who
have always supported me*

Preface

Provides an overview of the sol–gel synthesis of supported metal and metal oxide catalysts from the perspective of reliable, sustainable and cost-effective processes. Introduces sol–gel chemistry from its origins, and then gradually moves on to the most current fascinating strategies for the preparation of tailor-made catalysts.

Organises and develops the different subjects in such a way that goes beyond theoretical considerations and rather provides strategies for the rational design of high-performance catalysts, abandoning the time-consuming trial-and-error approach.

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